

# **Air Transport Association**

**SPEC2000**  
e-business standards

## **E-Business Specification for Materiels Management**

**Revision 2004.1  
(12th Revision)**



AIR TRANSPORT ASSOCIATION

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## To all Specification 2000 Document Holders

March, 2004

This is Revision 2004.1 of the SPEC2000 International Specification, E-Business Specification for Materiels Management. The main purpose of this revision is to incorporate the approved Specification Modification Requests (SMR's) into the Main Document and Common Support Data Dictionary [ATA CSDD]. These changes are described in the [Highlights] section and are indicated by yellow highlights of the changed text.

This document constitutes the complete specification, including all revisions, and should replace all previous versions. However, you may wish to retain the previous revision during the implementation grace period described below.

You may implement the changes as of the publication date with any trading partners who are ready to do so. The effective date of the revision will be 6 months after the publication date. During this time, software developers and database administrators should update their products to reflect the changes. There will be a 6 month implementation grace period following the effective date. During this time, some users may still need to support the old format to accommodate some trading partners. At the end of this grace period, ATA will no longer officially support the earlier format.

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## Highlights

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### Revision 2004.1

SMR #	Description	Main Document Chapter(s) Affected	Common Support Data Dictionary Data Elements Affected
03-01	Addition of "Original Equipment Manufacturer Data Text" (TEI OMD) to Chapter 2 to provide a cross reference between PMA part number and OEM part number.	Ch. 2	Original Equipment Manufacturer Data Text (OMD), Original Equipment Manufacturer Part Number (OMP), Original Equipment Manufacturer Code (OMM)
03-02	Modification to S1QUOTES	Ch. 2	Warranty Time/Cycle Count (WTC) and Warranty Time/Cycle Reference Code (WCR)
03-03	Standardize "No Quote" processing	Ch. 3	No Quote Condition Indicator (NQT)
03-04	Clarify Use of Unique "Quotation Number"	Ch. 2	None

*ATA SPEC2000 E-Business Specification for Materiels Management*

<b>SMR #</b>	<b>Description</b>	<b>Main Document Chapter(s) Affected</b>	<b>Common Support Data Dictionary Data Elements Affected</b>
03-05	Correction of S1REJECT Table in Appendix 4	Appendix 4	None
03-06	Correction of S1ORDEXC	Ch. 3	None
03-07	Modification of the SPEC2000 XML command S1SPLSHP (DTD)	Appendix 10	None
03-08	Modification of SPEC2000/XML Command S1EXCXMT (DTD)	Appendix 10	None
03-09	Addition of second option to represent human readable information of 2D Matrix encoded data	Ch. 9	None
03-10	Addition of Section 9-5. Radio Frequency Identification on Parts, to Chapter 9	Ch. 9	None
03-12	Modification to Repair Order Placement (RICPOXMT) and Component Teardown Data (R1TDNXMT)	Ch. 7	Additional Descriptive Text (ADT), Aircraft Message Text (AMT), Shop Action Remarks (SAR), Incoming Inspection/Shop Action Text (INT)
03-13	Addition of Section 9-6, Parts Traceability Data, to Ch. 9	Ch. 9	Action Code - ACT Action Date - ACD Action Company - ACO Warranty Date - WDT
03-15	Addition of Price Held Firm - Date to the procurement Database	Ch. 2	Price Held Firm - Date (PFD)
03-20	Modification to S1QUOTES to remove business Rules with UPN and ICR	Ch. 2	None
03-21	Modification to the SPEC 2000 XML standards to include a recommendation on how to pass nonbusiness data.	Appendix 10	None
03-22	Remove code 115, Flight Simulator Systems, from permitted value list for Aircraft System Code (ACS)	None	Aircraft System Code (ACS)
03-23	Major modification of Ch. 11 Aircraft Reliability Data	Ch. 11	Many - refer to Ch. 11
03-24	Corrections to SPEC2000 XML DTD's	Appendix 10	None
03-25	Removal of XML S1REJECT DTD from Appendix 4 (refer to Appendix 10)	Appendix 4, 10	None

## Introduction

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### Background

It has long been recognized by both airlines and aircraft material suppliers that significant productivity gains and cost reductions can be achieved through rapid, standardized communication of information. It is with these objectives in mind that [ATA Spec 200] was developed in the late 50's for the mechanical interchange of provisioning, order placement and shipment information.

Technology at that time dictated that [ATA Spec 200] be developed in a punch card oriented environment. As the years went by, the limitations of 80-column cards created the need for "workarounds", resulting in a complex specification requiring constant revisions. Since Spec 200's inception, there were 24 revisions to the document changing the procedures described therein.

Maintenance of the Air Transport Association (ATA) SPEC 200 has been the responsibility of the Maintenance and Coordination Task Force of the ATA Inventory Planning and Supply Data Group. Meetings were held twice a year, where both airline and supplier representatives submitted, reviewed, and mutually agreed to questions and changes to the Spec.

[ATA Spec 200] evolved to an international specification with participation from both international airlines and suppliers. The original commercial applications became of common interest to military applications.

As the technologies of the original concepts became obsolete, efforts were made to update these standards to take advantage of improved communication methods. In spite of these efforts, twenty-five years of advancement in the area of computer and communications technology has resulted in many areas of [ATA Spec 200] becoming inadequate in their approach.

In addition, efforts to involve as many airlines and suppliers in the use of the Spec have been hampered by the number of the methods it promotes, and the fact that the document is extremely difficult for the uninitiated to understand.

To resolve these problems, a joint airlines/supplier ATA task force was formed in 1984 to define the future direction the air transport industry should take in this area of material related information exchange.

Specification 2000, as described in the following pages, is the result of the efforts of many dedicated men and women representing the airline and manufacturer/supplier industries.

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### Purpose and Objectives

The purpose of SPEC2000 is to provide cost effective, state of the art techniques and standards which will be generally accepted by the Commercial Aviation Industry as the means for assuring optimum Communication/Data Exchange. It is important that this purpose and the following objectives be continually emphasized so that the specification will remain current to technology advancement in the future, as well as to adjust to Industry's requirements in an ever changing environment.

- To provide standards for the most cost effective exchange of information pertaining to aircraft related material, between airlines and suppliers.
- To provide methods which are usable by the widest possible population of companies in the aviation industry.

- To provide a comprehensive and user friendly specification.
- To incorporate System Security features, which provide protection of each participant's data as well as protection to all participants from possible antitrust violations due to misuse, visibility or unauthorized access to data.
- To facilitate the identification and visibility of warranty items subject to repair by repair agencies.
- To attract a broad base of industry participation.
- To minimize reprogramming efforts in the transition from previous methods and standards to any new methods.
- To provide a framework upon which advancements can be made with future technological developments, while maintaining cost effectiveness, productivity gains, and standardization.

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## **General Description**

SPEC2000 is organized into major chapters, each designed to stand alone for ease of understanding, as well as ease of implementation. Appendices are assigned to those subjects common to each chapter.

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### **Chapter 1 - Provisioning**

Provisioning is the process of selecting parts, equipment and related support materials necessary for the operation of aircraft or special equipment. Parts and materials also include those necessary for the repair and overhaul of repairable spare parts. This chapter specifies those data elements, formats and transmission procedures required of airframe, engine and equipment manufacturers in providing technical provisioning information to airlines.

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### **Chapter 2 - Procurement Planning**

The Procurement Planning chapter identifies the automated methods for the supplier to provide data for parts offered for sale, the quotation process for parts where insufficient or nonexistent data resides in the central procurement data base, and the entire capabilities of the Central Procurement Data Base System.

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### **Chapter 3 - Order Administration**

The Order Administration chapter describes the automated order placement process, the on-line inquiries to determine the order status, on-line order exception routines, and automated shipment advisories.

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### **Chapter 4 - Customer Invoicing**

The Customer Invoicing chapter describes the automated invoicing process, as well as the related exceptions pertaining to the process.

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### **Chapter 5 - Information and Data Exchange**

The Information and Data Exchange chapter describes the data and the methods for exchange between customer and supplier of data pertaining to past part consumption and forecasting of future requirements. The Order Performance Reporting elements are described to monitor the performance of the customer's ordering practices in relation to supplier quoted lead times, and the performance of the supplier in shipping to quoted lead times.

## **Chapter 6 - Communication Commands**

The Acknowledgement and Communication Commands chapter describes the methods of communication common to all chapters, the simple acknowledgement of receipt command, the general requirements of initiating commands, and special features contained within the process of obtaining who-to contact information or broadcasting information to multiple participants through the capabilities of the communications system.

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## **Chapter 7 - Repair Order Administration**

The Repair Order Administration chapter describes the automated repair order process. This includes the on-line processes for quotations, repair orders and order-exception routines, tear-down reporting, shipment advisories (for both airline and repair agent), invoices and repair order status.

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## **Chapter 8 - Repair/Overhaul Planning**

The Repair/Overhaul Planning chapter identifies the automated methods for the repair agent to provide data for the repair of parts, and the entire capabilities of the Central Repair Data Base.

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## **Chapter 9 - Automated Identification and Data Capture**

This chapter identifies the requirements for receipts and permanent part marking and traceability.

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## **Chapter 10 - SPEC2000/ASC X12 Implementation Guide**

The Implementation Guide was developed as a companion to SPEC2000; it contains the format for electronically exchanging order administration, invoicing and payment order/remittance advice information between trading partners.

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## **Chapter 11 - Reliability Data Collection/Exchange**

The purpose of this chapter is to provide a set of standardized record formats for collecting and exchanging aircraft reliability data. This chapter defines standard record formats for collecting and exchanging aircraft reliability data. This will improve the collection, measurement, and exchange of this information in a consistent format – ultimately improving efficiency and reducing both costs and errors.

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## **Chapter 12 - Airline Inventory Redistribution System (AIRS)**

The AIRS program provides a means by which participants may publish worldwide in a single source data file a listing of their airframe, avionics, testing equipment, engine, expendables, rotables, tooling and ground equipment which are available for sale. Included are commands exchanged between purchasers and sellers regarding quotes and sale transactions.

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## **Chapter 14 - Warranty**

The Warranty chapter defines the automated submittal methods for several specified types of claims, their and acknowledgements, on-line inquiries to determine claim status, and claims disposition advisories.

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## **Chapter 15 - Delivery Configuration Data**



The Delivery Configuration chapter provides a recommended format for the electronic communication of Delivery Configuration Data, including shipment date and in-flight times, from a supplier to a customer, for all serialized parts.

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## **Benefits**

It is estimated participation in SPEC2000 will include over 100 airlines and several hundred suppliers. As a minimum, SPEC2000 offers all the benefits achieved in SPEC 200 including:

- Reducing administrative time involved in the interchange and processing of provisioning data, procurement transactions, invoices and consumption data.
- Increasing use of internal data processing systems by customers and suppliers with the need for receiving the issued data via a compatible system.
- Reducing the need for use of multiple internal data processing systems as proposed by individual suppliers or customers.
- In addition, the benefits to be gained in utilizing SPEC2000 are greatly expanded over that of [\[ATA Spec 200\]](#) and are a prime consideration in the decision process of implementation of SPEC2000. Therefore, the following areas have been identified for consideration in an evaluation of joining:
  - The Central Procurement Data Base offers both customers and suppliers a single data base for retention and access to current procurement data. Suppliers no longer have to distribute multiple updates to varied customers, and customers may keep internal systems current by a single update from the central data base. The on-line environment allows immediate access to parts for which internal records may not exist.
  - The Central Procurement Data Base and the Central Repair Data Base offer benefits to users regardless of size. The minimal cost to participate allows a small airline/supplier to automate the procurement data process, which may have been cost prohibitive on the individual basis. The larger airlines/suppliers benefit through a more efficient process, and by increased participation from a larger population of automated users, i.e., both customers and suppliers.
  - The purchasing order administration process offered through SPEC2000 offers similar benefits as the Central Procurement Data Base with regard to the administrative cost reductions. Additionally, significant reductions in inventory safety stock may be realized by the customers through reductions in order processing times.
  - The benefits of operating all chapters of SPEC2000 are a summation of numerous efficiencies realized in an automated environment between customer and supplier, from processing provisioning data through procurement data, the order/shipment/invoice processes, the reporting of consumption, and the reporting of overall performance of customers and suppliers in order placement and delivery.
- The Repair Order Administration process offered through SPEC2000 will result in:
  - reduced administrative time
  - shortened turn-around time, which would result in reduced float levels for repairable parts
  - tracking of shipments of parts, to serial number level where applicable, to and from the repair agency
  - improved data accuracy
- The Central Repair Data Base offers both the customers and repair agencies a single data base for retention and access to current repair data:

- Repair agencies, by providing key repair data gain exposure to more customers.
- Customers will be able to keep their internal repair data current by a single update from the Central Repair Data Base.
- Customers will be able to determine the costs and turn-around times of different types of repairs for the same Part Number from participating repair agencies.
- The on-line environment allows immediate access to repair data.

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## How to Implement

Implementation of SPEC2000 is most feasible by chapter or, in some cases, by parts of a chapter. It is not necessary for a participant to be highly computerized. In fact, implementation of several chapters requires minimal equipment.

For a new participant, [Chapter 2] – Procurement Planning and/or [Chapter 3] - Order Administration, provide immediate benefits and are both supported by implementation procedures and training aids. The other sections are best implemented by contacting current participants for guidance.

For a new participant involved in a repair process, refer to [Chapter 7] – Repair Order Administration and [Chapter 8] - Repair/Overhaul Planning.

To obtain copies of ATA SPEC2000, to arrange for implementation of any chapters of the specification or to obtain information on the semi-annual SPEC2000 maintenance meeting, the ATA should be contacted at the address below.

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## Maintenance

SPEC2000 is maintained by ATA. Proposed changes may be submitted by any Program Participant through the SPEC2000 Modification Request (SMR) procedure detailed in the SPEC2000 Directory.

Any approved modifications to the specification shall be documented and distributed to all participants as revisions to the original specification. Implementation of revisions to the specification is left to each participant; however, the ATA will establish effective dates for revisions. Those revisions made to the Central Procurement Data Base, the Central Repair Data Base and/or order administration software controlled by third parties under the direction of ATA, will be implemented as those third parties are directed by the ATA, and when incorporated, applicable to all participants.

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## Chapter 2. Procurement Planning

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### 2-1. Overview

#### 1. Purpose

The procurement planning process outlined in this chapter of the specification defines the procedures for updating and receiving information from a central procurement data base such as Part Number, price and lead time data. Additionally instructions are given to enable the customer to receive stock status and price quotations from a supplier in an on-line mode.

The procurement planning process also allows access to the Airline Inventory Redistribution System (AIRS) database for inquiries. This permits "one stop shopping" using a single Command Code for parts from the Central Procurement and AIRS databases.

#### 2. General Description

The central procurement database gives the supplier the ability to furnish the customer with Part Number information, such as price and lead time data, which is used for subsequent procurement transactions. The supplier accesses the SPEC2000 database website, prepares a batch data file, or an on-line message to update a central file. Outbound files to the customer can be transmitted monthly or are available on demand. Outbound files will contain data from the airframe/engine manufacturers which is modeled to the customer's fleet along with generic data from component suppliers. To participate in the central procurement data program, there is an associated charge. Contact the Air Transport Association for further information.

Through on-line communications, customers may inquire as to Part Number source of supply. Suppliers have access to their own information but not the information of other suppliers who do not specifically allow viewing rights. Strict security measures have been designed to ensure suppliers do not have access to other supplier's information. The update to the central database by supplier files will only process when the supplier's Security Code in the file is authorized. Any on-line update to the data base will only process when the user has entered the system with an authorized password. The security codes and passwords will be issued and controlled by the Air Transport Association. The data base operator will be responsible for encrypting the Security Code and password in the computer matrix file.

Additionally, when a Part Number is replaced by another number, the supplier will transmit this information to the central file. Caution - Procurement data is not an approved source for Replacing Part Number information. The reference number shown may not apply in the customer's specific fleet. Review [\[ATA iSpec 2200\]](#) documentation for applicability. The new Part Number will be established but the original Part Number information will be retained to enable a Part Number history to be developed. The system also provides for on-line inquiries to the central data base.

One feature that is a part of this chapter, although not involved with the central data base, is the ability of the customer to process inquiries directly to a supplier to obtain the most current stock availability, as well as quotations for price and Lead Time items where the information is not listed in the Central Data Base.

Another feature allows participants of the SPEC2000 Central Procurement Data Base to indicate whether they wish to receive contact information (Company Name, phone#, fax#, etc.) on a response from the Data Base. This will be indicated in the Participant Profile.

To expand the range of users of Specification 2000, order administration software is offered which contains the commands

in this, and other sections of this specification. The order administration software provides for a personal computer to receive and transmit data for manual processing or introduction into a data processing system. There is an associated charge for procuring the order administration software. Contact the Air Transport Association for further details.

The function of procurement planning has been expanded to include access to the AIRS (formerly Specification 400) data base. Updating of AIRS will continue under former Specification 400 rules but inquiries can be accomplished in SPEC2000 format. Suppliers and customers who operate exclusively in Specification 400 format are not affected by the addition of SPEC2000 inquiry ability. AIRS data will continue to be provided in the file format specified in [\[Chapter 12\]](#).

### **3. Benefits**

The total benefits from using procurement planning result in shortened lead times for the customer and reduced administrative time.

Participation in the central procurement data base gives the supplier a larger market place. By providing procurement information to the central file, the supplier's data is available for viewing by all participating customers which have viewing rights established.

The customers gain exposure to suppliers with whom they may have had no prior business dealings. Searching for a part's source of supply through the central file will help to eliminate the need for buyers to make countless phone calls to purchase a needed commodity. The customer also enjoys the benefits of processing one standard file instead of receiving several throughout the month.

## 2-2. Central Procurement Data Base

### 1. Purpose

This data base will be administered by the Air Transport Association (ATA) and operated by a central agency under contract to the ATA. The information on the file will be maintained by the participating suppliers via batch files or on-line update. Participating customers can obtain data via batch files (distributed monthly or through on-demand request) or access can be achieved via a website interface or via on-line message inquiry. The on-line message access is accomplished via current airline communications networks as well as dial access.

After joining SPEC2000, a supplier will update the database system with a list of customers authorized to receive their data, as well as assigning Customer Category Codes if they wish to use the variable pricing feature. In conjunction with variable pricing, there must be an associated Discount Matrix Table. A customer will update the database system with a list of suppliers which indicates the data they elect not to receive. This authorization is used by to the central agency for processing in the Procurement Data System. Additional administrative information is required to participate in the Central Procurement Data Base. Contact the Air Transport Association for specific information.

### 2. Batch File Transactions

#### 2.1. Header Record Layout from the Supplier to the Central Agency - Procurement Data

1. Record Type Code (RTC) (/)

Always Coded 06

2. Transmission Type Code (TTC) (/)

A = Annual Price Update File

When this code is used, the file can only contain data records with a Change Code of A.

U = Routine Update File

When this code is used, the data records in the file can contain any Change Code with the exception of A.

3. Supplier Code (SPL) (/)

4. Transmission Date (TRD) (/)

The file will not be processed if TRD is more than 30 days old.

5. Delete Control Date (DCD) (/)

The Delete Control Date (DCD) is only used for annual updates (Transmission Type Code "A"): However, if TTC equals "U", the data element is not required.

6. Security Code (SEC) (/)

This code is assigned by ATA and must be 8 characters in length.

##### 2.1.1. Example Header Record - Supplier to Central Agency

RTC 06/TTC A/SPL 59789/TRD 250387/DCD 250392/SEC 12345678/
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## 2.2. Header Record Layout from the Central Agency to the Customer - Procurement Data Only

1. Record Type Code (RTC) (/)  
Always Coded 06
2. Transmission Type Code (TTC) (/)  
U = Routine Update File
3. Tape or File Recipient Code (TRC) (/)
4. Transmission Date (TRD) (/)

## 2.3. Procurement Data File Record Layout - Customer and Supplier

Note: The following Detail Record Layout is identical to the Detail Record Layout in [\[Section 2-5\]](#) (Procurement Contract Parts File) with the following exceptions:

1. Record Type Code (RTC) = "07"
2. Zero price in the Unit Price Amount (UNP 00) is permitted

1. Record Type Code (RTC) (/)  
Always Coded 07
2. Change Code (CHG) (/)
3. Supplier Code (SPL) (/)
4. Manufacturer Code (MFR) (/)
5. Part Number (PNR) (/)

The above five control data elements are positional, mandatory, and must be transmitted in the order shown. The balance of the data fields can be transmitted in any order but when establishing a new record all mandatory elements must be present.

6. Keyword Name (KWD) (/)
7. Unit Price Amount (UNP) (/)

Zero price (UNP 00) indicates a "Request Quote" requirement. Prices are transmitted with no decimal point in the file record. When Unit Price Amount is transmitted, Price Effective Date (PED) and International Currency Code (ICR) are also required.

8. Unit of Measure Code (UNT) (/)

When UNT is transmitted, the UNP and PED TEIs are required.

9. International Currency Code (ICR) (/)

When ICR is transmitted, the UNP and PED TEIs are required.

10. Price Effective Date (PED) (/)
11. Lead Time (LTM) (/)

12. Model of Applicability Code (MOA) (/)

MOA is transmitted by the supplier to the Central Agency. MOA can be repeated a maximum of 99 times on input, but is not transmitted to the customer in batch output files. For online EDI inquiries, the first occurrence of MOA against a part will be transmitted on the P1PDINQY complete response and complete dual response. If MOA is the last TEI in the record, do not delimit with a slash (/).

<b>Note:</b> 1-12 are the mandatory data elements which are required when establishing a New Part Number record (i.e. record not applicable to part history updates).
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13. + Product Category Code (PCC) (/)

PCC is not transmitted to the customer.

14. + Proprietary Code (PRP) (/)

15. + Aircraft System Code (ACS) (/)

16. + Procurement Discount Percent (PDP) (/)

17. + Standard Package Quantity (SPQ) (/)

18. + Packaging Code (PKG) (/)

19. + Overlength Part Number (OPN) (/)

20. + Minimum Sales Quantity (MSQ) (/)

21. + Hazardous Material Code (HAZ) (/)

22. + International Commodity Code (ICC) (/)

23. + Category I Container Price Amount (CAT) (/)

24. + Supplier Claimed Status Code (SCS) (/)

25. + Price Held Firm - Date (PFD) (/)

26. + Other Charges - Code and Amount (OCH) (/)

OCH is a Data Set Group and is only used once.

27. + Unit of Measure Clarification Text (UNC) (/)

UNC is a Data Set Group and is used only once.

28. + Replacing Source of Supply Code (RSS) (/)

Can be repeated a maximum of five times.

29. + Price Break - Quantity and Amount Text (PQA) (/)

PQA is a Data Set Group and can be repeated a maximum of ten times.

30. + Alternate Supply Location Text (ASL) (/)

ASL is a Data Set Group and can be repeated a maximum of ten times.

31. + Original Equipment Manufacturer Data Text (OMD) (/)

OMD is a Data Set Group and can be repeated a maximum of ten times.

32. + Replacing Part Data Text (RPD) (/)

RPD is a Data Set Group and can be repeated a maximum of five times.

33. + Remarks Text (REM)

REM can be repeated a maximum of five times and is only used in conjunction with the RPD TEI. This TEI is always, when applicable, the last data element on a record.

+ Indicates conditional data elements
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### 3. Procedures

Several data conditions applicable to various portions of this section are of prime importance to the methods of transmitting data to and from the central agency. The data conditions are broken into the following categories:

- Update Change Codes
- Partial and Complete Transmission of Procurement Data Records
- Multiple Occurrences of a Text Element Identifier (TEI)
- Data Set Groups
- Deletion of Conditional Data Elements
- Replacement Part Data

Each of the above data conditions will be explained in detail in the pages that follow.

In the batch file, both from the supplier and to the customer, each record is variable in length. To illustrate the examples, a record may be represented on several lines in this document. Therefore realize that a continuation of a record on the next line does NOT depict a break in the record. Additionally, decimal points are not transmitted in supplier batch input files or in customer batch output files, but are shown in the following database record examples for clarity purposes. For example, the price amount of \$15.00 in the data base record will be represented as '15.00' in the database record column.

Examples containing a header record will be shown first to illustrate what is sent to the Central Procurement Data Base and to the customer in their update file. All other examples will deal with data records only, and header records will not appear in the examples.

The supplier will provide a processable file to the Central Agency. For the data to be included in monthly revisional files to the customer, it should be submitted on or before the fourth Friday of each month. The supplier will notify the Central Agency when shipping a file to them on magnetic media. Refer to ATA master Directory for a specific address. When a supplier submits an annual file, the file must be received at the Central Agency at least ninety days prior to the Price Effective Date in the file, to allow ninety days notice to the customers prior to any price increase Effective Date. For example, if the Price Effective Date is April 15, then the file must be received and processed by the Central Agency no later than January 15. Receipt of a processable annual file by the Central Agency fulfills the supplier's requirement to provide pricing data to the customer ninety days prior to any price increase. The supplier will communicate terms and conditions to the customer for ordering prior to any price increase by mutual agreement.

The central agency will transmit a message to the supplier to acknowledge receipt of a monthly or annual record revision data file from the supplier. The message will be transmitted to the supplier within twenty-four hours after receipt by the



central agency and prior to the central agency processing the file to the database.

The customer can receive a consolidated file of data for all suppliers for which they are authorized, either by requesting it through the monthly revisional file production process, or by generating it via the on-demand file generation process. The revisional data will be processed and shipped by the Central Agency within ten calendar days of the fourth Friday of the month. The on-demand data will be processed and made available for the customer to download within 24 hours. The Central Agency will transmit a message to all affected customers to advise that the files have been shipped, or are available for download.

The file will contain a header record for a given customer followed by the data records for authorized suppliers. The data records are in Part Number and Supplier Code sequence.

Header record for Customer A

Part Number AAA105, Supplier X data record

Part number AAA105, Supplier Y data record

Part number B1056, Supplier G data record

The data elements contained in the data records for the customer are the same as the data elements transmitted by the supplier with the exception of Model of Applicability Code, and Product Category Code. Both Model of Applicability Code and Product Category Code are discussed in the pages which follow.

If Alpha 'O' is encountered in a numeric field, it will be converted to a numeric zero '0'.

If a supplier duplicates a TEI that is only required once, the record will be rejected if the data element is mandatory. If the duplicated TEI is conditional, only the data element will be rejected. This same rejection procedure will be used when multiple occurring TEI's are applied and the allowable number exceeds the limit.

The following examples are designed to explain the updating which takes place on the Central Procurement Data Base. The first example will show update actions originated by the supplier and the communication of these updates to the customer by the central agency. All other examples will show only the supplier's transmission to the Central Procurement Data Base and the data elements which will be sent to the customers.

## 4. Update Change Codes

Change Codes are transmitted to the central agency on the procurement data record and the discount matrix data record to indicate the type of change being requested. There are five Change Codes - New, Revision, Total Replacement, Deletion, and Annual Price Update. The Transmission Type Code on the header record must be an "A" for Annual Price Update or a "U" for the remaining Change Codes.

### 4.1. New - Change Code = N

When establishing a new record, all mandatory data elements must be present. All other conditional data elements can be added if needed.

### 4.2. Revision - Change Code = R

When Change Code R is used, the following control data elements are mandatory to identify the record and must be transmitted in order:

Record Type Code

Change Code

Supplier Code

Manufacturer Code

Part Number

Any other data elements provided will be replaced (if they already exist) or added (if they do not presently exist).

#### **4.3. Total Replacement - Change Code = T**

When Change Code T is used, the existing data base record will be replaced in total at the central agency. If the record does not exist on the central file, the record will be added to the data base. If the record exists on the History File, it will be deleted from the History File and added to the Central File. All mandatory data elements are required to do a total replacement. Conditional data elements are included as required. When the supplier uses this Change Code, the record received by the customer will have a Change Code of "N" or "R" whichever applies.

#### **4.4. Delete - Change Code = D**

A delete is accomplished by providing a Change Code of D and the control data elements of:

Record Type Code

Change Code

Supplier Code

Manufacturer Code

Part Number

#### **4.5. Annual - Change Code = A**

When the supplier submits yearly price changes, all records within the annual submission must be coded Change Code A. The Change Code A, together with the Transmission Type Code (TTC) A on the header record, is a complete restatement of the supplier's entire procurement database file.

When the supplier file of the annual submission does not contain a record which exists on the Procurement Data Base, the data base record is flagged for deletion. The record is deleted from the Procurement Data Base when the calendar date is equal to or greater than the Delete Control Date on the accompanying header record. When the record is deleted, the control data elements will be sent to the customer on their outbound file.

<b>Note: CHANGE CODE "A" WILL NOT BE TRANSMITTED ON OUTBOUND FILES.</b>
---

#### 4.6. Update Change Codes (Change Code N)

**Table 2-2.1. Establish a New Record**

Data Elements	Data Base Record	Supplier	Customer	Updated Data Base Record
Record Type Code		07	07	
Change Code		N	N	
Supplier Code		88277	88277	88277
Manufacturer Code		88277	88277	88277
Part Number		75-1	75-1	75-1
Keyword Name		SCREW	SCREW	SCREW
Unit Price Amount		300	300	3.00
Unit of Measure Code		EA	EA	EA
International Currency Code		USD	USD	USD
Price Effective Date		251087	251087	251087
Lead Time		10	10	10
Model of Applicability Code		MD01		MD01
+ Proprietary Code		3	3	3
+ Minimum Sales Quantity		10	10	10
+ Standard Package Quantity		10	10	10

+ = Conditional Data Elements

**N** - To establish a new record on the Central Procurement Data Base, the Change Code of N is applied. The minimum data elements required to establish a record are:

Supplier Code

Manufacturer Code

Part Number

Keyword Name

Unit Price Amount

Unit of Measure Code

International Currency Code

Price Effective Date

Lead Time

Model of Applicability Code

In addition to the minimum data elements, the supplier has added a Proprietary Code of 3, a Minimum Sales Quantity of 10 and a Standard Package Quantity of 10.

**4.6.1. Supplier Transmission**

RTC 07/**CHG N**/SPL 88277/MFR 88277/PNR 75-1/KWD SCREW/UNP 300/  
UNT EA/ICR USD/PED 251087/LTM 10/MOA MD01/PRP 3/MSQ 10/SPQ 10

## 4.7. Update Change Codes (Change Code R)

*Table 2-2.2.Revising a Part Number Record*

Data Elements	Data Base Record	Supplier	Customer	Updated Data Base Record
Record Type Code		07	07	
Change Code		R	R	
Supplier Code	88277	88277	88277	88277
Manufacturer Code	88277	88277	88277	88277
Part Number	75-1	75-1	75-1	75-1
Keyword Name	SCREW		SCREW	SCREW
Unit Price Amount	3.00		300	3.00
Unit of Measure Code	EA		EA	EA
International Currency Code	USD		USD	USD
Price Effective Date	251087		251087	251087
Lead Time	10		10	10
Model of Applicability Code	MD01			MD01
+ Product Category Code	P99			P99
+ Proprietary Code	3			3
+ Minimum Sales Quantity	10	5	5	5
+ Standard Package Quantity	10	5	5	5

+ = Conditional Data Elements

() = Components of Replacing Part Number Data Set Group

**R** - The Change Code of R is used to revise an existing record in the Central Procurement Data Base.

The supplier has transmitted a revised record to the Procurement Data Base. This action changes the minimum sales and standard package quantities to 5.

### 4.7.1. Supplier Transmission

RTC 07/**CHG R**/SPL 88277/MFR 88277/PNR 75-1/MSQ 5/SPQ 5

## 4.8. Update Change Codes (Change Code D)

*Table 2-2.3.Delete an Existing Record*

Data Elements	Data Base Record	Supplier	Customer	Updated Data Base Record
Record Type Code		07	07	
Change Code		D	D	
Supplier Code	88377	88377	88377	
Manufacturer Code	88377	88377	88377	
Part Number	75-1	75-1	75-1	
Keyword Name	SCREW			
Unit Price Amount	3.00			
Unit of Measure Code	EA			
International Currency Code	NZD			
Price Effective Date	251087			
Lead Time	10			
Model of Applicability Code	MD01			
+ Product Category Code	P99			
+ Proprietary Code	3			
+ Minimum Sales Quantity	5			
+ Standard Package Quantity	5			

+ = Conditional Data Elements

**D** - The Change Code of D is used to delete an entire record from the Procurement Data Base. If the D code is applied and Replacing Part Number data is resident, the Part Number replacement history will remain on file.

When deleting a record, the control data elements are the only elements sent to the Procurement Data Base. The customer receives exactly what is sent by the supplier.

When deletion activity results from a change in Manufacturer Code, the supplier must first process a Replacing Source of Supply ADD transaction.

### 4.8.1. Supplier Transmission

RTC 07/**CHG D**/SPL 88377/MFR 88377/PNR 75-1

## 4.9. Update Change Codes (Change Code T)

**Table 2-2.4. Total Replacement of a Record**

Data Elements	Data Base Record	Supplier	Customer	Updated Data Base Record
Record Type Code		07	07	
Change Code		T	N	
Supplier Code	36659	36659	36659	36659
Manufacturer Code	36659	36659	36659	36659
Part Number	1526793	1526793	1526793	1526793
Keyword Name	FAIRING	FAIRING	FAIRING	FAIRING
Unit Price Amount	254.00	25400	25400	254.00
Unit of Measure Code	EA	EA	EA	EA
International Currency Code	USD	USD	USD	USD
Price Effective Date	010787	010787	010787	010787
Lead Time	15	10	10	10
Model of Applicability Code	LK01	LK01		LK01
+ Proprietary Code	3	3	3	3
+ Packaging Code	1			
+ Aircraft System Code	25	25	25	25
+ Minimum Sales Quantity	10			

+ = Conditional Data Elements

**T** - The Change Code of T is used to totally replace a record. Revising an established record on the Central Procurement Data Base may be effected by submitting a complete replacement record, change coded T. This technique simply overlays the current record on file with the replacement record in lieu of adding, revising and deleting individual TEI's as specified in Change Code R records. If the record does not exist on the central file, the record will be added to the data base.

For the above example, the supplier is changing the lead time, removing the packaging code, and the minimum sales quantity from the record and has elected to totally replace the record. When the "T" Change Code is used, all mandatory data elements must be restated. The customer will receive a Change Code of "N" or "R", whichever applies.

### 4.9.1. Supplier Transmission

RTC 07/CHG T/SPL 36659/MFR 36659/PNR 1526793/KWD FAIRING/UNP 25400/  
UNT EA/ICR USD/PED 010787/LTM 10/MOA LK01/PRP 3/ACS 25

#### 4.10. Update Change Codes (Change Code A)

*Table 2-2.5. Annual Update*

Data Elements	Data Base Record	Data Base Record	Supplier Annual Submission	Updated Record After Delete Date
Record Type Code			07	
Change Code			A	
Supplier Code	88277	88277	88277	88277
Manufacturer Code	88277	88277	88277	88277
Part Number	AAA7001-1	21-5	21-6	21-6
Keyword Name	BOLT	PIN	PIN	PIN
Unit Price Amount	20.00	10.00	1500	15.00
Unit of Measure Code	EA	EA	EA	EA
International Currency Code	USD	USD	USD	USD
Price Effective Date	250385	250385	251186	251186
Lead Time	10	15	10	10
Model of Applicability Code	MD01	MD01	MD01	MD01
+ Product Category Code	P99	P99		P99
+ Proprietary Code	3	3	3	3

+ = Conditional Data Elements

**A** - The Change Code A is only used for the annual price update. This Change Code is a total restatement of a supplier's entire file. The Transmission Type Code (TTC) on the supplier header record must also be coded "A".

All records contained in this supplier file will be sent to the customer as part of the regular monthly update cycle, or when the customer generates an on-demand file from the Central Database. Because the Effective Date of this data will normally be 90 days in the future, the Central Procurement Data Base will maintain, for inquiry purposes, two records (i.e. the existing current record and the future dated new record). When the Price Effective Date on the new records is reached, the old record will be deleted from the data base.

Note:	When the supplier uses the Change Code of A, no other change codes can be used on the same update file. The "A" Change Code, however, will not be transmitted to the customer. The central agency will determine if the activity is actually new or a revision, and will then code each customer record with an "N" or "R" as appropriate.
-------	--

If during the 90 day period a supplier submits a revision record (Change Code R), only the future dated record will be changed. If during the same period a delete is submitted (Change Code D), both the existing current record and the future dated record will be deleted.



If an existing current record on the Central Procurement Data Base does not appear in the annual update file, then a delete record (Change Code D) will be created by the central agency but will not be sent to the customer until the Delete Control Date (in the header record) is reached.

The above example shows the records on the data base, part numbers AAA7001-1 and 21-5. The supplier's annual update file contains only one record for Part Number 21-6. Both part numbers currently on the data base are being deleted. The Central Procurement Data Base will hold the original records (AAA7001-1 and 21-5) until the Delete Control Date on the header record is reached (i.e. 251186 - see example on next page). The new record for Part Number 21-6 is also held on the data base with a Price Effective Date of 251186.

The following transmission examples show what (and when) the customer will receive as a result of this annual update.

#### 4.10.1. Supplier Transmission (Month of July)

```
RTC 06/TTC A/SPL 88277/TRD 100786/DCD 251186/SEC 12345678/  
RTC 07/CHG A/SPL 88277/MFR 88277/PNR 21-6/KWD PIN/UNP 1500/  
UNT EA/ICR USD/PED 251186/LTM 10/MOA MD01/PRP 3/PCC P99
```

#### 4.10.2. Customer Receives in the Next Monthly Update or On-Demand Generated File

```
RTC 06/TTC U/TRC TWA/TRD 290786/  
RTC 07/CHG N/SPL 88377/MFR 88277/PNR 21-6/KWD PIN/UNP 1500/  
UNT EA/ICR USD/PED 251186/LTM 10/PRP 3/PDP 100
```

#### 4.10.3. Customer Monthly Update After 251186

```
RTC 06/TTC U/TRC TWA/TRD 301186/  
RTC 07/CHG D/SPL 88277/MFR 88277/PNR AAA700-1-1  
RTC 07/CHG D/SPL 88277/MFR 88277/PNR 21-5
```

These two part numbers were not included in the supplier's July file. The DCD in the header record of that file triggered the deletion of these parts.

### 4.11. Partial and Complete Transmission of Procurement Data Records

Partial versus complete transmission of procurement data records do not apply when records are initially established. However, when a record is revised, the supplier can provide the entire record or give only the data which has changed.

**Partial records** will always contain the five positional control data elements (Record Type Code, Change Code, Supplier Code, Manufacturer Code, and Part Number) plus any elements which have changed.

**Complete records** will contain all data elements for a Part Number including the elements which have changed.

## 5. Multiple Occurrences of a Text Element Identifier

A selected group of TEI's can have multiple occurrences. These TEI's are:

- Model of Applicability Code (MOA)
- Remarks Text (REM)
- Replacing Source of Supply Code (RSS)
- Alternate Supply Location Text (ASL)
- Original Equipment Manufacturer Data Text (OMD)

Price Break - Quantity and Amount Text (PQA)

Replacing Part Data Text (RPD)

Additionally, there can be data set groups within a TEI. The following examples will deal with multiple occurrences of a TEI which do not have data set groups. These are Model of Applicability Code, Replacing Source of Supply Code, and Remarks Text. However, since Remarks Text can only be used with Replacing Part Data Text, Remarks will be discussed in conjunction with data set groups and specifically with the replacement part data. When the above TEI's are repeated, they must appear consecutively in the record.

When a supplier changes any data with multiple occurrences, all occurrences which should remain on the Central Procurement Data Base must also be transmitted. The Central Agency will delete all existing occurrences and insert the new information transmitted by the supplier.

## 6. Model of Applicability Code

Model of Applicability Code (MOA) is defined by the supplier to both modelize their data and to assist the customer with identifying parts applicable to their fleet. It is used primarily, but not exclusively by airframe and engine manufacturers to modelize their fleet. The MOA TEI also provides the subtier manufacturer the ability to note that a Part Number applies to an airframe's particular model. Again, this provides for the control of the data in the Central Procurement Data Base. When adding an MOA to an existing record, all MOA's to which the Part Number applies must be restated. Any MOA which is not restated will be deleted from the Central Procurement Data Base and when the update file is sent to the customer, these records will be transmitted with all applicable MOA codes. The customer will take these updated MOA codes to replace previous ones in his internal file. If a Part Number record is applicable to all manufacturer's engines or aircraft, the last two positions of the model code will be '99'. For those suppliers who do not wish to modelize their procurement data, the generic code to be used is MOA 'ZZ99'.

### 6.1. Model of Applicability

*Table 2-2.6. Establishing a Part Number Record*

Data Elements	Supplier Transmission	Customer A MD01	Customer B MD02	Customer C MD01 MD02
Record Type Code	07	07		07
Change Code	N	N		N
Supplier Code	88277	88277		88277
Manufacturer Code	88277	88277		88277
Part Number	4951181-1	4951181-1		4951181-1
Keyword Name	SUPPORT	SUPPORT		SUPPORT
Unit Price Amount	15100	15100		15100
Unit of Measure Code	EA	EA		EA
International Currency Code	USD	USD		USD
Price Effective Date	150687	150687		150687
Lead Time	10	10		10

<b>Data Elements</b>	<b>Supplier Transmission</b>	<b>Customer A MD01</b>	<b>Customer B MD02</b>	<b>Customer C MD01 MD02</b>
Model of Applicability Code	MD01			
+ Proprietary Code	3	3		3

+ = Conditional Data Elements

Customers A and C will receive MD01 procurement records. Therefore, in this example, the supplier has transmitted data applicable to only the MD01 and the central agency transmits the information to the appropriate customers.

### 6.1.1. Supplier File Transmission

RTC 07/CHG N/SPL 88277/MFR 88277/PNR 4951181-1/KWD SUPPORT/UNP 15100/  
 UNT EA/ICR USD/PED 150687/LTM 10/MOA MD01/PRP 3

## 6.2. Model of Applicability Code

*Table 2-2.7. Adding Another Model of Applicability to a Record*

Data Elements	Supplier Transmission	Customer A MD01	Customer B MD02	Customer C MD01 MD02
Record Type Code	07		07	
Change Code	R		N	
Supplier Code	88277		88277	
Manufacturer Code	88277		88277	
Part Number	4951181-1		4951181-1	
Keyword Name			SUPPORT	
Unit Price Amount			15100	
Unit of Measure Code			EA	
International Currency Code			USD	
Price Effective Date			150687	
Lead Time			10	
Model of Applicability Code	MD01			
Model of Applicability Code	MD02			

The only change made to the record was the addition of another Model of Applicability Code (MD02). Since Customer A and C had already received the data, nothing is transmitted to either customer.

### 6.2.1. Supplier Transmission

RTC 07/CHG R/SPL 88377/MFR 88377/PNR 4951181-1/MOA MD01/MOA MD02

### 6.3. Model of Applicability Code

*Table 2-2.8. Deleting a Model of Applicability From a Record*

Data Elements	Supplier Transmission	Customer A MD01	Customer B MD02	Customer C MD01
Record Type Code	07		07	
Change Code	R		D	
Supplier Code	88277		88277	
Manufacturer Code	88277		88277	
Part Number	4951181-1		4951181-1	
Keyword Name				
Unit Price Amount				
Unit of Measure Code				
International Currency Code				
Price Effective Date				
Lead Time				
Model of Applicability Code	MD01			

The supplier is transmitting a deletion of MD02, a previously established Model of Applicability Code (MOA). The supplier transmits the revision and states the existing MOA or MOA's. The central agency will only transmit to Customer B because MD02 is the only model of applicability established for Customer B. Because the part is still applicable to MD01, Customer A and C will receive no transmission.

#### 6.3.1. Supplier Transmission

RTC 07/CHG R/SPL 88277/MFR 88277/PNR 4951181-1/MOA MD01

## 7. Data Set Groups

Data set groups are a method of collecting groups of information together within a Text Element Identifier (TEI). There are six data set groups which apply:

Price Break - Quantity and Amount Text (PQA)

Alternate Supply Location Text (ASL)

Original Equipment Manufacturer Data Text (OMD)

Unit of Measure Clarification Text (UNC)

Other Charges - Code and Amount (OCH)

Replacing Part Data Text (RPD)

PQA, ASL, OMD and RPD can have multiple occurrences, while the others may only be used once.

When a supplier changes any data within the PQA, ASL, OMD and RPD data set groups, all sets which should remain on the Central Procurement Data Base, must also be transmitted. The central agency will delete all existing PQA, ASL, OMD or RPD records and insert the new information transmitted by the supplier.

### 7.1. Alternate Supply Location Text (ASL) And Currency

Where the Supplier Code within ASL is the same as SPL in the Primary record, the Data Set Group is recognized as an alternate currency.

### 7.2. Data Set Groups

**Table 2-2.9. Price Break - Quantity and Amount Text**

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
Record Type Code		07	
Change Code		R	
Supplier Code	88277	88277	88277
Manufacturer Code	88277	88277	88277
Part Number	21-501	21-501	21-501
Keyword Name	NUT		NUT
Unit Price Amount	14.00		14.00
Unit of Measure Code	EA		EA
International Currency Code	USD		USD
Price Effective Date	280487		280487

<b>Data Elements</b>	<b>Data Base Record</b>	<b>Supplier Transmission</b>	<b>Updated Data Base Record</b>
Lead Time	30		30
Model of Applicability Code	MD01		MD01
+ Product Category Code	P99		P99
+ Price Break - Quantity and Amount Text		PQA	
(From Quantity)	2	2	2
(Unit Price Amount)	13.00	1200	12.00

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier revised the record to change the price to 12.00. Since this is a Data Set Group, the entire data set must be transmitted.

### 7.2.1. Supplier Transmission

RTC 07/CHG R/SPL 88277/MFR 88277/PNR 21-501/PQA 2 1200

## 7.3. Data Set Groups

Table 2-2.10. Alternate Supply Location Text

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
Record Type Code		07	
Change Code		R	
Supplier Code	81205	81205	81205
Manufacturer Code	81205	81205	81205
Part Number	65-7234	65-7234	65-7234
Keyword Name	PANEL		PANEL
Unit Price Amount	18.00		18.00
Unit of Measure Code	EA		EA
International Currency Code	USD		USD
Price Effective Date	280287		280287
Lead Time	15		15
Model of Applicability Code	BA01		BA01
+ Product Category Code	P99		P99
+ Alternate Supply Location Text		ASL	
(Alternate Supply Location Code)	81111	81111	81111
(Unit Price Amount)	30.00	3000	30.00
(International Currency Code)	HKD	HKD	HKD
(Price Effective Date)	280287	280287	280287
+ Alternate Supply Location Text		ASL	
(Alternate Supply Location Code)	82222	82222	82222
(Unit Price Amount)	30.00	3000	30.00
(International Currency Code)	GBP	GBP	GBP
(Price Effective Date)	280287	280287	280287
+ Alternate Supply Location Text		ASL	
(Alternate Supply Location Code)		83333	83333
(Unit Price Amount)		3000	30.00
(International Currency Code)		AUD	AUD



Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
(Price Effective Date)		280287	280287

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier is adding a third alternate source of supply (83333). Since Alternate Location Codes 81111 and 82222 are still valid sources, all three data sets must be repeated.

### 7.3.1. Supplier Transmission

```

RTC 07/CHG R/SPL 81205/MFR 81205/PNR 65-7234/
ASL 81111 3000 HKD 280287/ASL 82222 3000 GBP 280287/
ASL 83333 3000 AUD 280287
    
```

## 7.4. Data Set Groups

**Table 2-2.11. Unit of Measure Clarification Text**

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
Record Type Code		07	
Change Code		R	
Supplier Code	07482	07482	07482
Manufacturer Code	07482	07482	07482
Part Number	K270P03	K270P03	K270P03
Keyword Name	WIRE		WIRE
Unit Price Amount	20.00		20.00
Unit of Measure Code	LG		LG
International Currency Code	USD		USD
Price Effective Date	300587		300587
Lead Time	10		10
Model of Applicability Code	GEO1		GEO1
+ Product Category Code	P99		P99
+ Unit of Measure Clarification Text		UNC	
(Quantity)	20	40	40
(Unit of Measure Code)	FT	FT	FT

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier is changing the unit of measure clarification text to indicate the spool of wire is now sold in 40 foot lengths.

### 7.4.1. Supplier Transmission

RTC 07/CHG R/SPL 07482/MFR 07482/PNR K270P03/UNC 40 FT

## 7.5. Data Set Groups

**Table 2-2.12. Original Equipment Manufacturer Data Text**

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
Record Type Code		07	
Change Code		R	
Supplier Code	5N582	5N582	5N582
Manufacturer Code	5N582	5N582	5N582
Part Number	ABC123A	ABC123A	ABC123A
Keyword Name	BEARING		BEARING
Unit Price Amount	25.00		25.00
Unit of Measure Code	EA		EA
International Currency Code	USD		USD
Price Effective Date	280203		280203
Lead Time	10		10
Model of Applicability Code	MD01		MDO1
+ Original Equipment Manufacturer Data Text		OMD	OMD
(OEM Part Number)		ABC123	ABC123
(OEM Manufacturer Code)		F6198	F6198
		OMD	OMD
(OEM Part Number)		AB12	AB12
(OEM Manufacturer Code)		H6198	H6198

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier revised the record to add the OEM Part Number ABC123 and corresponding OEM Manufacturer Code F6198 and also the OEM Part Number AB12 and the corresponding OEM Manufacturer Code H6198. Since OMD is a Data Set Group that can be repeated multiple times, all OMD Data Set Groups for a corresponding PNR must be transmitted whenever an OMD Data Set Group is added or revised. It will be processed similar to the ASL TEI example in [Table 2-2.10] Alternate Supply Location Text.

### 7.5.1. Supplier Transmission

RTC 07/CHG R/SPL 5N582/MFR 5N582/PNR ABC123A/OMD ABC123 F6198/OMD AB12 H6198

## 7.6. Deletion of Conditional Data Elements

*Table 2-2.13. Deletion of a Standard Package Quantity*

Data Elements	Data Base Record	Supplier Partial	Customer	Updated Record
Record Type Code		07	07	
Change Code		R	R	
Supplier Code	88277	88277	88277	88277
Manufacturer Code	88277	88277	88277	88277
Part Number	25-5	25-5	25-5	25-5
Keyword Name	PIN		PIN	PIN
Unit Price Amount	14.00		1400	14.00
Unit of Measure Code	EA		EA	EA
International Currency Code	USD		USD	USD
Price Effective Date	300487		300487	300487
Lead Time	10		10	10
Model of Applicability Code	MD01			MD01
+ Standard Package Quantity	2	SPQ-		

+ = Conditional Data Elements

Individual conditional data elements (those identified in the record layout with a plus sign +) can be deleted by providing the Text Element Identifier (TEI) immediately followed by a dash (no space). In the above example, the supplier is removing the standard package quantity of 2.

The customer will totally replace their record with the input from the central agency, thus effecting the removal of the SPQ as in this example.

### 7.6.1. Supplier File Transmission

RTC 07/CHG R/SPL 88277/MFR 88277/PNR 25-2/SPQ-

## 7.7. Deletion of Conditional Data Elements

*Table 2-2.14. Deletion of a Data Set Group*

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
Record Type Code		07	
Change Code		R	
Supplier Code	88277	88277	88277
Manufacturer Code	88277	88277	88277
Part Number	21-501	21-501	21-501
Keyword Name	PIN		PIN
Unit Price Amount	14.00		14.00
Unit of Measure Code	EA		EA
International Currency Code	USD		USD
Price Effective Date	280487		280487
Lead Time	30		30
Model of Applicability Code	MD01		MD01
+ Product Category Code	P99		P99
+ Price Break - Quantity and Amount Text		PQA-	
(From Quantity)	2		
(Unit Price Amount)	13.00		
+ Price Break - Quantity and Amount Text			
(From Quantity)	10		
(Unit Price Amount)	9.00		

*+ = Conditional Data Elements*

*() = Components of a Data Set Group*

Data set groups are deleted in the same manner as conditional elements. The supplier transmitted the TEI of PQA followed by a dash. This action deleted all associated price break quantities and amounts from the Central Procurement Data Base.

### 7.7.1. Supplier Transmission

RTC 07/CHG R/SPL 88277/MFR 88277/PNR 21-501/**PQA-**

## 8. Replacement Part Data

Replacing Part Data Text consists of four data elements:

Replacing Part Number

Manufacturer Code

Interchangeability Code

Manufacturer Authority Text

Replacing Part Data Text is restricted to and under the full control of the original equipment manufacturer.

A Replacing Part Number can be applied to a record in two ways:

1. The data (i.e., price and lead time) still applies to the original Part Number, therefore replacement part data is added to the existing record.
2. The original Part Number is deleted and only the Replacing Part Number is referenced. In this case, a 'Part Number history' record is established.

## 8.1. Part Number History Records

When the original Part Number is deleted and the 'part history' record exists on the file, the data remains in the Central Procurement Data System for a period of three years unless specifically deleted by the supplier.

At the option of the supplier, previous part history records can be added to the Procurement Data System to establish prior Part Number chains. The system provides the ability to add, change or delete part history records.

## 8.2. Record Updates

To create a part history replacement part data record, only the following data elements are required:

Note:	If any additional data elements (e.g., Unit Price Amount, Lead Time) are submitted, the record will be processed as new to the Central Procurement Data Base rather than as a Part Number history record. Under these circumstances, if a part history record already existed, it would be deleted.
-------	---

Record Type Code

Change Code (N)

Supplier Code

Manufacturer Code

Part Number

Model of Applicability Code

TEI of RPD

To change RPD information which already exists as a part history RPD record, the following is required:

Record Type Code

Change Code (R)

Supplier Code

Manufacturer Code

Part Number

TEI of RPD

To delete the procurement information (i.e., Unit Price Amount, Lead Time, etc.) from an existing record and not the RPD information (which already exists), thus creating a part history RPD record, only the following data elements are required:

Record Type Code

Change Code (D)

Supplier Code

Manufacturer Code

Part Number.

To delete procurement information (i.e., Unit Price Amount, Lead Time, etc.) from an existing record and add the RPD information in one step, thus creating a part history RPD record, the following data elements are required:

### **8.3. Replacement Part Data**

Record Type Code

Change Code (D)

Supplier Code

Manufacturer Code

Part Number

TEI of RPD

To delete a record (whether it is a part history or a full record which includes RPD) from the data base, the following data elements are required:

Record Type Code

Change Code (D)

Supplier Code

Manufacturer Code

Part Number

The TEI of RPD and a dash (-), i.e., RPD-

## 8.4. Replacement Part Data

**Table 2-2.15. Adding Replacement Part Data to an Existing Record**

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record	Updated Part History Record
Record Type Code		07		
Change Code		R		
Supplier Code	81205	81205	81205	
Manufacturer Code	81205	81205	81205	
Part Number	65-1	65-1	65-1	
Keyword Name	PANEL		PANEL	
Unit Price Amount	10.00		10.00	
Unit of Measure Code	EA		EA	
International Currency Code	USD		USD	
Price Effective Date	100287		100287	
Lead Time	10		10	
Model of Applicability Code	BA01		BA01	
+ Product Category Code	P99		P99	
+ Proprietary Code	3		3	
+ Replacing Part Data Text		RPD		
(Replacing Part Number)		65-2	65-2	
(Manufacturer Code)		81205	81205	
(Interchangeability Code)		2	2	
(Manufacturer Authority Text)		SB124-87	SB124-87	

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier transmitted replacement part data using a Change Code of R. The supplier will still supply Part Number 65-1 and all data elements still apply to the Part Number. The Procurement Data Base would be updated to reflect the Replacing Part Number (65-2). The supplier would also transmit a new record (Change Code N) to establish Part Number 65-2 and its data elements in the data base.

### 8.4.1. Supplier File Transmission

```

RTC 07/CHG R/SPL 81205/MFR 81205/PNR 65-1/
RPD 65-2 81205 2 SB124-87
RTC 07/CHG N/SPL 81205/MFR 81205/PNR 65-2/KWD PANEL/UNP 1000/
UNT EA/ICR USD/PED 100287/LTM 10/MOA BA01/PRP 3

```



## 8.5. Replacement Part Data

*Table 2-2.16. Deleting Replacement Part Data From an Existing Record*

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record	Updated Part History Record
Record Type Code		07		
Change Code		R		
Supplier Code	81205	81205	81205	
Manufacturer Code	81205	81205	81205	
Part Number	65-1	65-1	65-1	
Keyword Name	PANEL		PANEL	
Unit Price Amount	10.00		10.00	
Unit of Measure Code	EA		EA	
International Currency Code	USD		USD	
Price Effective Date	100287		100287	
Lead Time	10		10	
Model of Applicability Code	BA01		BA01	
+ Product Category Code	P99		P99	
+ Proprietary Code	3		3	
+ Replacing Part Data Text		RPD-		
(Replacing Part Number)	65-2			
(Manufacturer Code)	81205			
(Interchangeability Code)	2			
(Manufacturer Authority Text)	SB124-87			

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier has applied replacement part data to an existing record and wishes to remove the Replacing Part Number. The supplier would send the control data elements for Part Number 65-1 and the RPD TEI immediately followed by a dash (no space). This would remove the Replacing Part Data Text (Data Set Group) from the record.

### 8.5.1. Supplier File Transmission

RTC 07/CHG R/SPL 81205/PNR 65-1/ **RPD-**

## 8.6. Replacement Part Data

**Table 2-2.17. Total Part Number Replacement**

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record	Updated Part History Record
Record Type Code		07		
Change Code		D		
Supplier Code	81205	81205		81205
Manufacturer Code	81205	81205		81205
Part Number	65-3	65-3		65-3
Keyword Name	PANEL			
Unit Price Amount	10.00			
Unit of Measure Code	EA			
International Currency Code	USD			
Price Effective Date	100287			
Lead Time	10			
Model of Applicability Code	BA01	BA01		BA01
Model of Applicability Code	BA02			
+ Product Category Code	P99			
+ Proprietary Code	3			
+ Replacing Part Data Text		RPD		
(Replacing Part Number)		65-4		65-4
(Manufacturer Code)		81205		81205
(Interchangeability Code)		1		1
(Manufacturer Authority Text)		SB124-87		SB124-87

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier has applied a Change Code of D to the original record for Part Number 65-3 and referenced Replacing Part Data Text for Part Number 65-4. This action will delete the Part Number record for 65-3 and establish a part history record. When an inquiry to the Central Procurement Data Base is made against Part Number 65-3, the response will indicate the part has been replaced to 65-4. In addition, the supplier would send a new record (Change Code N) to establish Part Number 65-4 and its associated data elements in the data base.

### 8.6.1. Supplier File Transmission

RTC 07/CHG D/SPL 81205/MFR 81205/PNR 65-3/MOA BA01/  
RPD 65-4 81205 1 SB124-87

*ATA SPEC2000 E-Business Specification for Materiels Management*

---

RTC 07/CHG N/SPL 81205/MFR 81205/PNR 65-4/KWD PANEL/ICR USD/  
UNP 1000/PED 100287/LTM 10/MOA BA01/PRP 3

## 8.7. Replacement Part Data-Part History Record

*Table 2-2.18. to Add a Part History Record*

Data Elements	Part History Record	Supplier Transmission	Updated Part History Record
Record Type Code		07	
Change Code		N	
Supplier Code		81205	81205
Manufacturer Code		81205	81205
Part Number		65-5	65-5
Keyword Name			
Unit Price Amount			
Unit of Measure Code			
International Currency Code			
Price Effective Date			
Lead Time			
Model of Applicability Code		BA01	BA01
+ Replacing Part Data Text		RPD	
(Replacing Part Number)		65-6	65-6
(Manufacturer Code)		81205	81205
(Interchangeability Code)		2	2
(Manufacturer Authority Text)		SB124-87	SB124-87

+ = Conditional Data Elements

() = Components of a Data Set Group

When a supplier elects to add previous Part History records to the Procurement Data Base, the Change Code of N is used. The RPD Data Set Group and the control data elements are sent to the Procurement Data Base. This action would only be necessary if a supplier elected to establish part history records for part numbers which were effective prior to the supplier becoming a participant. This update action is not sent to the customer in an update or restatement file.

### 8.7.1. Supplier Transmission

RTC 07/CHG N/SPL 81205/MFR 81205/PNR 65-5/MOA BA01/  
RPD 65-6 81205 1 SB124-87

## 8.8. Replacement Part Data-Part History Record

*Table 2-2.19. to Change Part History Data*

Data Elements	Part History Record	Supplier Transmission	Updated Part History Record
Record Type Code		07	
Change Code		R	
Supplier Code	81205	81205	81205
Manufacturer Code	81205	81205	81205
Part Number	65-3	65-3	65-3
Keyword Name			
Unit Price Amount			
Unit of Measure Code			
International Currency Code			
Price Effective Date			
Lead Time			
Model of Applicability Code	BA01		BA01
Model of Applicability Code	BA02		BA02
+ Replacing Part Data Text		RPD	
(Replacing Part Number)	65-4	65-4	65-4
(Manufacturer Code)	81205	81205	81205
(Interchangeability Code)	1	2	2
(Manufacturer Authority Text)	SB124-87	SB124-87	SB124-87

+ = Conditional Data Elements

() = Components of a Data Set Group

Once the part history record has been established, if the supplier has a need to change the history record, a transmission would be sent to the Central Procurement Data Base. The Interchangeability Code in this example is being changed from a 1 to a 2. Also, since RPD is a Data Set Group, all of the information within the group must be transmitted by the supplier. This update is not sent to the customer in an update or restatement file.

### 8.8.1. Supplier Transmission

RTC 07/CHG R/SPL 81205/MFR 81205/PNR 65-3/  
RPD 65-4 81205 2 SB124-87

## 8.9. Replacement Part Data-Part History Record

*Table 2-2.20. Replacement to Delete a Part History Record*

Data Elements	Part History Record	Supplier Transmission	Updated Part History Record
Record Type Code		07	
Change Code		D	
Supplier Code	81205	81205	
Manufacturer Code	81205	81205	
Part Number	65-3	65-3	
Keyword Name			
Unit Price Amount			
Unit of Measure Code			
International Currency Code			
Price Effective Date			
Lead Time			
Model of Applicability Code			
Model of Applicability Code	BA02		
+ Replacing Part Data Text		RPD-	
(Replacing Part Number)	65-4		
(Manufacturer Code)	81205		
(Interchangeability Code)	2		
(Manufacturer Authority Text)	SB124-87		

+ = Conditional Data Elements

() = Components of a Data Set Group

If a supplier wants to delete a Part History Record (Change Code D), the control data elements are transmitted and the RPD TEI immediately followed by a dash (no space). This action would cause the record to be deleted from the Procurement Data Base and a record would not be sent to the customer in an update or restatement file.

### 8.9.1. Supplier File Transmission

RTC 07/CHG D/SPL 81205/MFR 81205/PNR 65-3/RPD-

## 8.10. Replacement Part Data-Part History with Remarks

**Table 2-2.21. Additional Remarks for Manufacturer Authority Text**

Data Elements	Data Base Record	Supplier Transmission
Record Type Code		07
Change Code		D
Supplier Code	81205	81205
Manufacturer Code	81205	81205
Part Number	65-8	65-8
Keyword Name	SOCKET	
Unit Price Amount	10.00	
Unit of Measure Code	EA	
International Currency Code	USD	
Price Effective Date	250687	
Lead Time	10	
Model of Applicability Code	BA01	
+ Product Category Code	P99	
+ Proprietary Code	3	
+ Replacing Part Data Text		RPD
(Replacing Part Number)		65-10
(Manufacturer Code)		81205
(Interchangeability Code)		1
(Manufacturer Authority Text)		SB123-87
+ Remarks Text		NO ATTACHING HARDWARE

+ = Conditional Data Elements

() = Components of a Data Set Group

Manufacturer Authority Text is limited to forty characters. If additional information is required, the TEI of REM can be used for additional explanation. There can be a maximum of five occurrences of the Remarks Text TEI.

### 8.10.1. Supplier Transmission

RTC 07/CHG D/SPL 81205/MFR 81205/PNR 65-8/  
 RPD 65-10 81205 1 **SB123-87**/  
 REM NO ATTACHING HARDWARE

## **2-3. Variable Pricing**

### **1. Purpose**

Variable Pricing enables suppliers to give individual price discounts by part to their customers. Each customer will receive discount data meant only for them.

Suppliers can extend special pricing discounts to any or all customers. The supplier sets up a Discount Matrix Table to include the discounts and effective dates by Product and/or Customer Categories. This table determines which discount is sent to each customer. The customers receive the list price in the Unit Price Amount (UNP), however, their customized discounts are represented in the Procurement Discount Percent (PDP). The customers can then apply the discount percentage to the list price and, if applicable, to the quantity price breaks and alternate supply location prices.

As with the Part Number records in the Central Procurement Data Base, the Discount Matrix Table can contain both current and future records to indicate the current status and future change in the part or customer discount. "Routine" and "Annual" updates are submitted for this database in the same way as for the Central Procurement Data Base.

Those suppliers that do not require the variable pricing function do not need to make any changes to their systems.

### **2. Benefits**

1. Customers see both the list price and their custom discount percentages.
2. Customers have fewer files to process since they no longer require separate customized price files/catalogs from their suppliers.
3. Customers spend less time contacting suppliers to finalize a purchase.
4. Accurate, customized pricing in the Central Procurement Data Base eliminates the requirement for a quotation. The number of supplier parts listed without prices ("On-Quote" status) should be significantly reduced.
5. Suppliers have a greater chance of being considered by their customers if their parts data include pricing.

### **3. Procedures**

In order to implement Variable Pricing, all three of the following steps must occur:

1. The supplier must assign a Customer Category Code (CCC) to the customer(s) who is to receive the discount. This is done via the ATA Viewing Rights process.
2. The supplier must assign a Product Category Code (PCC) to the Part Number(s) to be discounted. This is done through the normal batch, on-line or internet updating process.
3. The supplier must assign a Discount Percent Code (DPC) and a Discount Effective Date (DED) to the PCC/CCC combination. This is done via batch, on-line, or internet update to the Discount Matrix Table.

If any of these three items above do not occur, there will be no issue of the discount to the customer.

### **4. File Transactions**



#### 4.1. Header Record Layout from the Supplier to the Central Agency - Discount Matrix Table

1. Record Type Code (RTC) (/)

Always Coded "99"

2. Transmission Type Code (TTC) (/)

U = Update matrix data

When this code is used, the file can only contain records with Change Code "N", "R", "T", or "D".

A = Annual replacement of discount matrix file

When this code is used, the file can only contain records with change code "A".

3. Supplier Code (SPL) (/)

4. Transmission Date (TRD) (/)

5. Delete Control Date (DCD) (/)

The Delete Control Date (DCD) is only used for annual updates (Transmission Type Code "A"): however, if TTC equals "U", the data element is not required.

6. Security Code (SEC) (/)

This code is assigned by ATA and must be 8 characters in length. This code will be the same as for procurement data.

#### 4.2. Discount Matrix Table Record Layout - Supplier

1. Record Type Code (RTC) (/)

Always Coded "08"

2. Change Code (CHG) (/)

3. Supplier Code (SPL) (/)

4. Product Category Code (PCC) (/)

5. Customer Category Code (CCC) (/)

6. Discount Percent Code (DPC) (/)

7. Discount Effective Date (DED)

### 4.3. Discount Matrix Table - Update

*Table 2-3.1. to Update the Discount Matrix Table*

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
Record Type Code		08	
Change Code		R	
Supplier Code	88277	88277	88277
Product Category Code	P01	P01	P01
Customer Category Code	C01	C01	C01
Discount Percent Code	0005	0010	0010
Discount Effective Date	010194	010195	010195

*+ = Conditional Data Elements*

*() = Components of a Data Set Group*

**R** - Change codes used to maintain the Discount Matrix Table are the same as those used for the Central Procurement Data Base. In files to the Central Agency, a header record, in the same layout as Procurement data, must be supplied with the file. The Change Code of R is used to revise an existing record in the Table.

The supplier has transmitted a revised record to the discount Matrix Table data base. The action changes the Discount Percent Code from 0.05 to 0.1 for Product Category Code/Customer Category Code "P01/C01". Additionally, the Discount Effective Date is used to indicate when the new Discount Percent Code applies.

#### 4.3.1. Supplier Transmission

RTC 99/TTC U/SPL 88277/TRD 310895/SEC 12345678/  
 RTC 08/CHG R/SPL 88277/PCC P01/CCC C01/DPC 0010/DED 010195

#### 4.4. Discount Matrix Table - Add

*Table 2-3.2. to Add to the Discount Matrix Table*

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
Record Type Code		08	
Change Code		N	
Supplier Code		88277	88277
Product Category Code		P01	P01
Customer Category Code		C01	C01
Discount Percent Code	0005	0010	0010
Discount Effective Date	010194	010195	010195

+ = Conditional Data Elements

() = Components of a Data Set Group

N - Change codes used to maintain the Discount Matrix Table are the same as those used for the Central Procurement Data Base. In files to the Central Agency, a header record, in the same layout as Procurement data, must be supplied with the file. The Change Code of N is used to add a new record to the Table.

The supplier has transmitted a new record to the discount Matrix Table data base. The action adds the Discount Percent Code of 0.1 for Product Category Code/Customer Category Code "P01/C01". Additionally, the Discount Effective Date is used to indicate when the new Discount Percent Code applies. The Discount Effective Date enables the supplier to provide the appropriate 90 day notification of price change as generated by the Discount Percent Code.

##### 4.4.1. Supplier Transmission

RTC 99/TTC U/SPL 88277/TRD 310895/SEC 12345678/  
 RTC 08/CHG N/SPL 88277/PCC P01/CCC C01/DPC 0010/DED 010195

## 4.5. Discount Matrix Table - Delete

**Table 2-3.3. to Delete From the Discount Matrix Table**

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
Record Type Code		08	
Change Code		D	
Supplier Code	88277	88277	
Product Category Code	P01	P01	
Customer Category Code	C01	C01	
Discount Percent Code	0005		
Discount Effective Date	010194		

+ = Conditional Data Elements

() = Components of a Data Set Group

**D** - Change codes used to maintain the Discount Matrix Table are the same as those used for the Central Procurement Data Base. In files to the Central Agency, a header record, in the same layout as Procurement data, must be supplied with the file. The Change Code of D is used to delete a record from the Table.

The supplier has transmitted a deleted record to the discount Matrix Table data base. The action deletes the record for Product Category Code/Customer Category Code "P01/C01".

Note: In a delete transaction, all fields are mandatory except Discount Percent Code and Discount Effective Date.

### 4.5.1. Supplier Transmission

RTC 99/TTC U/SPL 88277/TRD 310895/SEC 12345678/  
 RTC 08/**CHG D**/SPL 88277/PCC P01/CCC C01

## 4.6. Discount Matrix Table - Total Replacement

**Table 2-3.4. Total Replacement of a Record**

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
Record Type Code		08	
Change Code		T	
Supplier Code	88277	88277	88277
Product Category Code	P01	P01	P01
Customer Category Code	C01	C01	C01
Discount Percent Code	0005	0010	0010
Discount Effective Date	010196	010896	010896

+ = Conditional Data Elements

() = Components of a Data Set Group

**T** - Change codes used to maintain the Discount Matrix Table are the same as those used for the Central Procurement Data Base. In files to the Central Agency, a header record, in the same layout as Procurement data, must be supplied with the file. The Change Code of T is used to totally replace a record. Revising an established record on the Discount Matrix Table may be effected by submitting a complete replacement record, change coded T. This technique simply replaces the current record on file with the replacement record. If the record does not currently exist on the central file, the record will be added.

In this example, the supplier is changing the Discount Percent Code from 0.05 to 0.1 for Product Category Code/Customer Category Code "P01/C01". Additionally, the Discount Effective Date is used to indicate when the new Discount Percent Code applies

### 4.6.1. Supplier Transmission

```
RTC 99/TTC U/SPL 88277/TRD 010896/SEC 12345678/
RTC 08/CHG T/SPL 88277/PCC P01/CCC C01/DPC 0010/DED 010896
```

## 4.7. Discount Matrix Table - Annual Update

**Table 2-3.5. Annual Update**

Data Elements	Data Base Record	Data Base Record	Supplier Annual Submission	Updated Data Base Record
Record Type Code			08	
Change Code			A	
Supplier Code	88277	88277	88277	88277
Product Category Code	P01	P02	P03	P03
Customer Category Code	C01	C02	C03	C03
Discount Percent Code	0005	0005	0010	0010
Discount Effective Date	010196	010196	010896	010896

+ = Conditional Data Elements

() = Components of a Data Set Group

**A** - Change codes used to maintain the Discount Matrix Table are the same as those used for the Central Procurement Data Base. In files to the Central Agency, a header record, in the same layout as Procurement data, must be supplied with the file. The Change Code of A is used only for the annual price update. This Change Code is a total restatement of a supplier's entire file. The Transmission Type Code (TTC) on the supplier header record must also be coded "A".

The Discount Matrix Table will maintain, for inquiry purposes, two records (existing, current record and future, new record). When the Discount Effective Date on the new record is reached, the old record will be deleted from the data base.

Note: When the supplier uses the Change Code "A", no other change codes may be used on the same update file.

If an existing current record on the Discount Matrix Table does not appear on the annual update file, this record will be deleted by the central agency when the Delete Control Date in the header record is reached.

This example shows the records on the data base, a Discount Percent Code of 0005 for Product Category Code/Customer Category Code "P01/C01" and "P02/C02". The supplier's annual update file contains only one record for Discount Percent Code of 0010 and Product Category Code/Customer Category Code "P03/C03". Both records currently on the data base will be deleted. The Discount Matrix Table will retain the original records until the Delete Control Date on the header record is reached (010896). The new record will also be retained in the data base with a Discount Effective Date of 010896.

### 4.7.1. Supplier Transmission

RTC 99/TTC A/SPL 88277/TRD 010796/DCD 010896SEC 12345678/  
 RTC 08/CHG A/SPL 88277/PCC P03/CCC C03/DPC 0010/DED 010896

## 2-4. Supporting Technical Information - Central Procurement Data Base

### 1. Input Examples from the Supplier to the Central Agency and File Transmission from the Agency to the Customer

In the batch file, both from the supplier and to the customer, each record is variable in length. To illustrate the examples, a record may be represented on several lines in this document. Therefore realize that a continuation of a record on the next line does NOT depict a break in the record.

Examples containing a header record will be shown first to illustrate what is sent to the Central Procurement Data Base by the supplier to the customer in their monthly or on-demand generated files. All other examples will deal with data records only, and header records will not appear in the examples.

The data elements contained in the data records for the customer are the same as the data elements transmitted by the supplier with the exception of Model of Applicability Code, Product Category Code, and replacing part history records, which are not transmitted to the customer in a batch file. Model of Applicability Code, Product Category Code, and Replacing Part History records are discussed extensively in the Procedures Division of the Central Procurement Data Base.

The examples which follow are designed to explain the updating which takes place on the Central Procurement Data Base. The first example will show update actions originated by the supplier and the communications of these updates to the customer by the central agency. All other examples will show only the supplier's transmission to the Central Procurement Data Base and the data elements which will be sent to the customers.

#### 1.1. Minimum Data Elements to Establish a Record

*Table 2-4.1. Minimum Data Elements to Establish a Record*

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Record Type Code		07	07	
Change Code		N	N	
Supplier Code		88277	88277	88277
Manufacturer Code		88277	88277	88277
Part Number		AAA7001-1	AAA7001-1	AAA7001-1
Keyword Name		BOLT	BOLT	BOLT
Unit Price Amount		2000	2000	20.00
Unit of Measure Code		EA	EA	EA
International Currency Code		USD	USD	USD
Price Effective Date		250387	250387	250387
Lead Time		10	10	10

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Model of Applicability Code		MD01		MD01

The supplier is establishing a new Part Number (Change Code N) on the Central Procurement Data Base. The above example shows the minimum data elements required to establish a record. To create a new record in the Central Data Base, the supplier must send a record type coded 07 and Change Code N. This record must contain all the mandatory data elements and may contain conditional data elements if they are required by the supplier.

### 1.1.1. Supplier Transmission

```
RTC 06/TTC U/SPL 88277/TRD 250387/DCD 250387/SEC 12345678/
RTC 07/CHG N/SPL 88277/MFR 88277/PNR AAA7001-1/KWD BOLT/UNP 2000/
UNT EA/ICR USD/PED 250387/LTM 10/MOA MD01
```

### 1.1.2. Transmission to the Customer

```
RTC 06/TTC U/TRC AAT/TRD 250387/
RTC 07/CHG N/SPL 88277/MFR 88277/PNR AAA7001-1/KWD BOLT/UNP 2000/
UNT EA/ICR USD/PED 250387/LTM 10
```



## 1.2. Revision to Change Lead Time

*Table 2-4.2. Revision to Change Lead Time*

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Record Type Code		07	07	
Change Code		R	R	
Supplier Code	88277	88277	88277	88277
Manufacturer Code	88277	88277	88277	88277
Part Number	AAA7001-1	AAA7001-1	AAA7001-1	AAA7001-1
Keyword Name	BOLT	BOLT	BOLT	BOLT
Unit Price Amount	20.00	2000	2000	20.00
Unit of Measure Code	EA	EA	EA	EA
International Currency Code	USD	USD	USD	USD
Price Effective Date	250387	250387	250387	250387
Lead Time	10	15	15	15
Model of Applicability Code	MD01			MD01

The supplier is changing the Lead Time (Change Code R) of the part from 10 to 15 days.

### 1.2.1. Supplier File Transmission

RTC 07/CHG R/SPL 88277/MFR 88277/PNR AAA7001-1/KWD BOLT/UNP 2000/  
UNT EA/ICR USD/PED 250387/**LTM 15**

### 1.3. Establishing a New Part with Unit of Measure Clarification

*Table 2-4.3. Establishing Part Number With Unit of Measure Clarification*

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Record Type Code		07	07	
Change Code		N	N	
Supplier Code		88166	88166	88166
Manufacturer Code		88077	88077	88077
Part Number		ABP9919-1	ABP9919-1	ABP9919-1
Keyword Name		WIRE	WIRE	WIRE
Unit Price Amount		2000	2000	20.00
Unit of Measure Code		LG	LG	LG
International Currency Code		USD	USD	USD
Price Effective Date		250387	250387	250387
Lead Time		15	15	15
Model of Applicability Code		MD01		MD01
+ Unit of Measure Clarification Text		UNC	UNC	UNC
(Quantity)		10	10	10
(Unit of Measure Code)		FT	FT	FT

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier has transmitted a Part Number which requires additional clarification of the unit of measure code.

#### 1.3.1. Supplier Transmission

RTC 07/CHG N/SPL 88166/MFR 88077/PNR ABP9919-1/KWD WIRE/UNP 2000/  
UNT LG/ICR USD/PED 250387/LTM 15/MOA MD01/**UNC 10 FT**

## 1.4. Revision to Change Unit of Measure Clarification Text

*Table 2-4.4. Revision to Change Unit of Measure Clarification Text*

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Record Type Code		07	07	
Change Code		R	R	
Supplier Code	86659	86659	86659	86659
Manufacturer Code	86659	86659	86659	86659
Part Number	BBP9919-1	BBP9919-1	BBP9919-1	BBP9919-1
Keyword Name	WIRE		WIRE	WIRE
Unit Price Amount	317.00		31700	317.00
Unit of Measure Code	LG		LG	LG
International Currency Code	CAD		CAD	CAD
Price Effective Date	010486		010486	010486
Lead Time	15		15	15
Model of Applicability Code	MD01			MD01
+ Unit of Measure Clarification Text		UNC	UNC	
(Quantity)	10	15	15	15
(Unit of Measure Code)	FT	FT	FT	FT

+ = Conditional Data Elements

() = Components of a Data Set Group

The unit of measure clarification text was originally 10 Ft. The supplier has changed the clarification to 15 Ft. The supplier has elected to transmit Partial Data Elements.

### 1.4.1. Supplier Transmission

RTC 07/CHG R/SPL 86659/MFR 86659/PNR BBP9919-1/UNC 15 FT

## 1.5. Establishing a Part Number with Price Breaks

**Table 2-4.5. Establishing a Record With Price Breaks**

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Record Type Code		07	07	
Change Code		N	N	
Supplier Code		88277	88277	88277
Manufacturer Code		88277	88277	88277
Part Number		5912345-1	5912345-1	5912345-1
Keyword Name		NUT	NUT	NUT
Unit Price Amount		2000	2000	20.00
Unit of Measure Code		EA	EA	EA
International Currency Code		USD	USD	USD
Price Effective Date		250687	250687	250687
Lead Time		10	10	10
Model of Applicability Code		MD01		MD01
+ Price Break - Quantity and Amount Text		PQA	PQA	
(From Quantity)		2	2	2
(Unit Price Amount)		1800	1800	18.00
+ Price Break - Quantity and Amount Text		PQA	PQA	
(From Quantity)		6	6	6
(Unit Price Amount)		1500	1500	15.00

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier is establishing a Part Number with a price of 20.00 for a quantity of 1 ea. If a quantity of 2 thru 5 is purchased the price would be 18.00. For a quantity of 6 or more, the price is 15.00.

### 1.5.1. Supplier Transmission

RTC 07/CHG N/SPL 88277/MFR 88277/PNR 5912345-1/KWD NUT/UNP 2000/  
 UNT EA/ICR USD/PED 250686/LTM 10/MOA MD01/PQA 2 1800/  
 PQA 6 1500

## 1.6. Revision to Change Price Break Quantity and Amount

**Table 2-4.6. Revision to Change Price Break Quantity and Amount**

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Record Type Code		07	07	
Change Code		T	R	
Supplier Code	12277	12277	12277	12277
Manufacturer Code	84106	84106	84106	84106
Part Number	5912345-1	5912345-1	5912345-1	5912345-1
Keyword Name	NUT	NUT	NUT	NUT
Unit Price Amount	20.00	2000	2000	20.00
Unit of Measure Code	EA	EA	EA	EA
International Currency Code	USD	USD	USD	USD
Price Effective Date	250686	250686	250686	250686
Lead Time	10	10	10	10
Model of Applicability Code	MD01	MD01		MD01
+ Price Break - Quantity and Amount Text		PQA	PQA	
(From Quantity)	2	2	2	2
(Unit Price Amount)	18.00	1800	1800	18.00
+ Price Break - Quantity and Amount Text		PQA	PQA	
(From Quantity)	6	6	6	6
(Unit Price Amount)	15.00	1300	1300	13.00

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier changed the price break amount to 13.00 for a quantity of 6 or more. All price break quantities and amounts must be restated as this is a Data Set Group.

### 1.6.1. Supplier Transmission

RTC 07/CHG T/SPL 12277/MFR 84106/PNR 5912345-1/KWD NUT/UNP 2000/  
UNT EA/ICR USD/PED 250686/LTM 10/MOA MD01/PQA 2 1800/PQA 6 1300

## 1.7. Revision to Add a Replacing Source of Supply

*Table 2-4.7. Revision to Add a Replacing Source of Supply*

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Record Type Code		07	07	
Change Code		R	R	
Supplier Code	36659	36659	36659	36659
Manufacturer Code	36659	36659	36659	36659
Part Number	1624319	1624319	1624319	1624319
Keyword Name	BOLT	BOLT	BOLT	BOLT
Unit Price Amount	20.00	00	00	.00
Unit of Measure Code	LG		LG	LG
International Currency Code	USD	USD	USD	USD
Price Effective Date	250386	010686	010686	010686
Lead Time	15	0	0	0
Model of Applicability Code	LK01			LK01
+ Proprietary Code	3	7	7	7
+ Replacing Source of Supply Code		59789	59789	59789

+ = Conditional Data Elements

Part Number 1624319 is currently manufactured and supplied by the Lockheed Aeronautical Systems Company (SPL 36659). A licensing agreement is established whereby KAPCO (MFR 59789) will become the Replacing Source of Supply. Proprietary rights are retained by the original manufacturer. In this condition, KAPCO would also transmit a new record to the Procurement Data Base advising price lead time information. The new KAPCO record is not shown in this example.

### 1.7.1. Supplier Transmission

RTC 07/CHG R/SPL 36659/MFR 36659/PNR 1624319/UNP 00/ICR USD/  
PED 010686/LTM 0/PRP 7/RSS 59789

## 1.8. Establish a Part Number with Variable Pricing

**Table 2-4.8. Establishing a Record With Variable Pricing**

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record	Customer A CCC = C01	Customer B CCC = C02
Record Type Code		07		07	07
Change Code		N		N	N
Supplier Code		88277	88277	88277	88277
Manufacturer Code		88277	88277	88277	88277
Part Number		8798-1	8798-1	8798-1	8798-1
Keyword Name		NUT	NUT	NUT	NUT
Unit Price Amount		100	100	100	100
Unit of Measure Code		EA	EA	EA	EA
International Currency Code		USD	USD	USD	USD
Price Effective Date		010194	010194	010195	010195
Lead Time		10	10	10	10
Model of Applicability Code		ZZ99	ZZ99		
+ Product Category Code		P01	P01		
+ Procurement Discount Percent				1000	0500

+ = Conditional Data Elements

() = Components of a Data Set Group

Customer A has been assigned a Customer Category Code of "C01" by the supplier 88277. The Customer Category Code for Customer B is "C02". This information is found on the associated viewing rights file. The Discount Matrix Table for Supplier 88277 reads as follows:

Product Category Code	Customer Category Code	Procurement Discount Percent	Discount Effective Date
PO1	C01	1000 (represents 10.00%)	010195
PO1	C02	0500 (represents 5.00%)	010195

Product Category Codes are assigned against the part. Customer Category Codes are assigned against the viewing rights. The Procurement Discount Percent is sent to the customer on a data record when the supplier has established a Product Category Code on a Part Number, a Customer Category Code to the customer, and has established a Discount Matrix Table containing this Product Category Code/Customer Category Code combination with an associated Discount Percent Code. The customer will apply the Procurement Discount Percent against the Unit Price Amount, any Price Break Amounts, and against any Alternate Supply Location Text.

A supplier is establishing a record with variable pricing based on prior agreements with one or more customers.

**1.8.1. Supplier Transmission**

RTC 07/CHG N/SPL 88277/MFR 88277/PNR 8798-1/KWD NUT/UNP 100/  
UNT EA/ICR USD/PED 010194/LTM 10/MOA ZZ99/PCC P01



## 1.9. Revision to Change a Product Category Code

**Table 2-4.9. Revision to Change a Product Category Code**

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record	Customer A CCC = C01	Customer B CCC = C02
Record Type Code		07		07	07
Change Code		R		N	N
Supplier Code	88277	88277	88277	88277	88277
Manufacturer Code	88277	88277	88277	88277	88277
Part Number	8798-1	8798-1	8798-1	8798-1	8798-1
Keyword Name	NUT		NUT	NUT	NUT
Unit Price Amount	1.00		1.00	100	100
Unit of Measure Code	EA		EA	EA	EA
International Currency Code	USD		USD	USD	USD
Price Effective Date	010194		010194	010194	010194
Lead Time	10		10	10	10
Model of Applicability Code	ZZ99		ZZ99		
+ Product Category Code	P01	P02	P02		
+ Procurement Discount Percent				1000	1200

+ = Conditional Data Elements

() = Components of a Data Set Group

Customer A has been assigned a Customer Category Code of "C01" by the supplier 88277. The Customer Category Code for Customer B is "C02". This information is found on the associated viewing rights file. The Discount Matrix Table for Supplier 88277 reads as follows:

Product Category Code	Customer Category Code	Procurement Discount Percent	Discount Effective Date
PO2	C01	1000 (represents 10.00%)	010194
PO2	C02	1200 (represents 12.00%)	010194

Product Category Codes are assigned against the part. Customer Category Codes are assigned against the viewing rights. The Procurement Discount Percent is sent to the customer on a data record when the supplier has established a Product Category Code on a Part Number, a Customer Category Code to the customer, and has established a Discount Matrix Table containing this Product Category Code/Customer Category Code combination with an associated Discount Percent Code. The customer will apply the Procurement Discount Percent against the Unit Price Amount, any Price Break Amounts, and against any Alternate Supply Location text.

The supplier is changing the Product Category Code (Change Code R) of the part from P01 to P02. The unit is adjusted in

accordance with the corresponding Discount Matrix Table values prior to being transmitted.

### **1.9.1. Supplier Transmission**

RTC 07/CHG R/SPL 88277/MFR 88277/PNR 8798-1/PCC P02

## 1.10. Revision from Priced Condition to on Quotation

**Table 2-4.10. Revision From Priced Condition to On Quotation**

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Record Type Code		07	07	
Change Code		R	R	
Supplier Code	88277	88277	88277	88277
Manufacturer Code	88277	88277	88277	88277
Part Number	AAA7001-1	AAA7001-1	AAA7001-1	AAA7001-1
Keyword Name	BOLT		BOLT	BOLT
Unit Price Amount	20.00	00	00	.00
Unit of Measure Code	EA		EA	EA
International Currency Code	USD		USD	USD
Price Effective Date	250387	280487	280487	280487
Lead Time	15	0	0	0
Model of Applicability Code	MD01			MD01

The supplier has transmitted a record to the Procurement Data Base revising the price and lead time to zeros for the on quotation condition. The Price Effective Date is also required when changing the Unit Price Amount. This action tells the customer to request a quotation to obtain the price of the part.

### 1.10.1. Supplier Transmission

RTC 07/CHG R/SPL 88277/MFR 88277/PNR AAA7001-1/UNP 00/  
PED 280487/LTM 0

## 1.11. Adding Replacement Part Data - Both Parts Still Supported

*Table 2-4.11. Adding Replacement Part Data - Both Parts Still Supported*

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Record Type Code		07	07	
Change Code		R	R	
Supplier Code	81205	81205	81205	81205
Manufacturer Code	81205	81205	81205	81205
Part Number	65-1	65-1	65-1	65-1
Keyword Name	PANEL		PANEL	PANEL
Unit Price Amount	10.00		1000	10.00
Unit of Measure Code	EA		EA	EA
International Currency Code	USD		USD	USD
Price Effective Date	100287		100287	100287
Lead Time	10		10	10
Model of Applicability Code	BA01			BA01
+ Proprietary Code	3		3	3
+ Replacing Part Data Text		RPD	RPD	
(Replacing Part Number)		65-2	65-2	65-2
(Manufacturer Code)		81205	81205	81205
(Interchangeability Code)		2	2	2
(Manufacturer Authority Text)		SB12387	SB12387	SB12387

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier is adding replacement part data to a Part Number but still supplies the original Part Number.

### 1.11.1. Supplier Transmission

RTC 07/CHG R/SPL 81205/MFR 81205/PNR 65-1/  
RPD 65-2 81205 2 SB12387

## 1.12. Deleting Replacement Part Data from an Existing Record

**Table 2-4.12. Deleting Replacement Part Data From an Existing Record**

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Record Type Code		07	07	
Change Code		R	R	
Supplier Code	81205	81205	81205	81205
Manufacturer Code	81205	81205	81205	81205
Part Number	65-1	65-1	65-1	65-1
Keyword Name	PANEL		PANEL	PANEL
Unit Price Amount	10.00		1000	10.00
Unit of Measure Code	EA		EA	EA
International Currency Code	USD		USD	USD
Price Effective Date	100287		100287	100287
Lead Time	10		10	10
Model of Applicability Code	BA01			BA01
+ Proprietary Code	3		3	3
+ Replacing Part Data Text		RPD-		
(Replacing Part Number)	65-2			
(Manufacturing Code)	81205			
(Interchangeability Code)	2			
(Manufacturer Authority Text)	SB12387			

+ = Conditional Data Elements

() = Components of a Data Set Group

When replacement part data has been established against a record and the supplier still supplies the original Part Number, to remove the Replacing Part Data Text from the original record the TEI of RPD immediately followed by a dash (no space between RPD and dash) is transmitted.

### 1.12.1. Supplier Transmission

RTC 07/CHG R/SPL 81205/MFR 81205/PNR 65-1/RPD-

### 1.13. Total Part Number Replacement - Only New Part Supported

**Table 2-4.13. Total Part Number Replacement - Only New Part Supported**

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Record Type Code		07	07	
Change Code		D	D	
Supplier Code	81205	81205	81205	81205
Manufacturer Code	81205	81205	81205	81205
Part Number	65-3	65-3	65-3	65-3
Keyword Name	PANEL			
Unit Price Amount	10.00			
Unit of Measure Code	EA			
International Currency Code	USD			
Price Effective Date	100287			
Lead Time	10			
Model of Applicability Code	BA01			BA01
+ Product Category Code	P99			
+ Proprietary Code	3			3
+ Replacing Part Data Text		RPD	RPD	
(Replacing Part Number)		65-4	65-4	65-4
(Manufacturer Code)		81205	81205	81205
(Interchangeability Code)		1	1	1
(Manufacturer Authority Text)		SB124-87	SB124-87	SB124-87

+ = Conditional Data Elements

() = Components of a Data Set Group

To effect a total Part Number replacement, the supplier transmits a delete record against the original Part Number and references the Replacing Part Data Text. This deletes the original Part Number and establishes a part history record on the Procurement Data Base.

#### 1.13.1. Supplier Transmission

RTC 07/CHG D/SPL 81205/MFR 81205/PNR 65-3/MOA BA01/  
RPD 65-4 81205 1 SB124-87

## 1.14. Replacement Part Data-Two Replacement Part Numbers

Table 2-4.14. Replacement Part Data-two Replacement Part Numbers

Data Elements	Data Base Record	Supplier Transmission
Record Type Code		07
Change Code		D
Supplier Code	81205	81205
Manufacturer Code	81205	81205
Part Number	65-8	65-8
Keyword Name	SOCKET	
Unit Price Amount	10.00	
Unit of Measure Code	EA	
International Currency Code	USD	
Price Effective Date	250687	
Lead Time	10	
Model of Applicability Code	BA01	
+ Product Category Code	P99	
+ Proprietary Code	3	
+ Replacing Part Data Text		RPD
(Replacing Part Number)		65-10
(Manufacturer Code)		81205
(Interchangeability Code)		1
(Manufacturer Authority Text)		SB123-87
+ Replacing Part Data Text		RPD
(Replacing Part Number)		65-11
(Manufacturer Code)		81205
(Interchangeability Code)		1
(Manufacturer Authority Text)		SB123-87
+ Remarks Text		ATTACHING HARDWARE REQUIRED

+ = Conditional Data Elements

() = Components of a Data Set Group

When a Part Number has been replaced by more than one Part Number, the new part numbers will be shown in RPD data up to a maximum of five new part numbers. If additional explanation is required, there can be a maximum of 5 lines of Remarks Text.

#### **1.14.1. Supplier Transmission**

```
RTC 07/CHG D/SPL 81205/MFR 81205/PNR 65-8/  
RPD 65-10 81205 1 SB123-87/  
RPD 65-11 81205 1 SB123-87/  
REM ATTACHING HARDWARE REQUIRED
```



## 1.15. Total Part Number Replacement-Changing Model of Applicability Code

**Table 2-4.15. Total Part Number Replacement**

Data Elements	Data Base Record	Supplier Transmission	Customer A BA01	Customer B BA02	Updated Data Base Record
Record Type Code		07	07		
Change Code		D	D		
Supplier Code	81205	81205	81205		81205
Manufacturer Code	81205	81205	81205		81205
Part Number	65-3	65-3	65-3		65-3
Keyword Name	PANEL				
Unit Price Amount	10.00				
Unit of Measure Code	EA				
International Currency Code	USD				
Price Effective Date	100287				
Lead Time	10				
Model of Applicability Code	BA01	BA02			BA02
+ Product Category Code	P99				
+ Proprietary Code	3				
+ Replacing Part Data Text		RPD			
(Replacing Part Number)		65-4			65-4
(Manufacturer Code)		81205			81205
(Interchangeability Code)		1			1
(Manufacturer Authority Text)		SB124-87			SB124-87

+ = Conditional Data Elements

() = Components of a Data Set Group

For the above example, Customer A would receive a delete record for Part Number 65-3 since the supplier is changing the Model of Applicability Code to BA02. Customer B would not receive a record because it is a part history record and only would receive the new record for Part Number 65-4 (new record not shown in this example).

### 1.15.1. Supplier Transmission

RTC 07/CHG D/SPL 81205/MFR 81205/PNR 65-3/MOA BA02/  
RPD 65-4 81205 1 SB124-87

## 2. Batch File Transaction - Specifications

### 2.1. Supplier Notification to Central Agency and ATA

If a batch file is uploaded to the system via the web interface FTP process, the Central agency will automatically be informed that the file was submitted and what its processing status is.

If a file on magnetic media is to be shipped to the Central Agency, a message should be addressed to the Central Agency notifying them of the shipment. Refer to ATA for the master mailing address list for specific addresses and contacts.

### 2.2. Message Elements and Format

TO (Name of Person and Title)

FROM (Company, person and title)

DATE (Date of Message DDMMYY)

BODY (CAGE Code, Supplier's File Numbers, number of records in file, Date File Sent DDMMYY and method sent)

#### 2.2.1. Sample Message

TO	JOHN DOE, SPEC 2000
FROM	PAT WEISS, MGR PLANNING AND PROVISIONING, SUNDSTRAND
DATE	300588
CAGE	99167
FILE NUMBERS 1234 AND 1235 SENT 300588 VIA FEDEX AWB	xxxx-xxxx-xxxx
TOTAL RECORDS IN FILE	22,537

### 2.3. Message from Central Agency to Supplier

When the supplier file sent on magnetic media is received at the Central Agency from the supplier, the Central Agency will send a message to the supplier acknowledging receipt of the file.

## 2.4. Message Elements and Format

TO (Name of Person and Title)

FROM (Central Agency, person and title)

DATE (Date of Message DDMMYY)

BODY (Central Agency Name, System Name, Supplier File Numbers, File Receipt DDMMYY)

### 2.4.1. Sample Message

TO	PAT WEISS, MGR PLANNING AND PROVISIONING
FROM	CENTRAL AGENCY, JOHN DOE, MGR SPEC 2000
DATE	020688
CENTRAL AGENCY, SPEC 2000	
FILE NUMBERS 1234 AND 1235 RECEIVED 010688	

## 3. Notification from Central Agency to Airline/Supplier Outbound Files

If a batch file is requested by the airline/supplier via the on-demand process available through the web site, the Central Agency will automatically generate a message and inform the recipient when the file is available for download.

When the Central Agency sends an outbound file to an airline or supplier, a message is sent to inform the recipient that the file has been sent. Refer to ATA for the master mailing address list for specific addresses and contacts.

### 3.1. Message Elements and Format

TO (Name of Person and Title)

FROM (Central Agency, person and title)

DATE (Date of Message DDMMYY)

BODY (Central Agency Name, System Name, Agency File Number, Date File Sent DDMMYY and Method Sent)

#### 3.1.1. Sample Message

TO	CLINTON FORD, SUPVR MATERIEL DOCUMENTATION
FROM	JOHN DOE, SPEC 2000
DATE	100688
CENTRAL AGENCY, SPEC 2000	
FILE NUMBERS 1000 AND 1001 SENT 100688 VIA UPS	

### 3.2. Airline/Supplier Message to Central Agency

When the batch file is received by the airline or the supplier, the recipient will send a message to the Central Agency acknowledging receipt of the file.

### 3.3. Message Elements and Format

TO (Name of Person and Title)

FROM (Company, person and title)

DATE (Date of Message DDMMYY)

BODY (Airline or CAGE /s, Agency File Numbers, File Receipt DDMMYY)

#### 3.3.1. Sample Message

TO	JOHN DOE, SPEC 2000
FROM	CLINTON FORD, SUPRV MATERIEL DOCUMENTATION
DATE	150688
DL, FILE NUMBER 1000 AND 1001 RECEIVED 150688	

#### 3.3.2. Batch Input File from Supplier to Central Agency

---

##### (File Transfer)

1. Mode: File Transfer

Encoding: ASCII (American Standard Code for Information Interchange) Part Number Sequence

Record Length: Variable

Block Size: Not Applicable

Header Labels: Not Applicable

Tape Marks: Not Applicable

End of Record: Must be indicated with CRLF (Carriage Return Line Feed)

---

##### (Magnetic Media)

2. Mode: IBM 3480 Cartridge (compatible)

Encoding: EBCDIC (Extended Binary Coded Decimal) Part Number Sequence

Record Length: Variable

Block Size: 4000 maximum

Header Labels: None

Tape Marks: Data Tape Mark at the end of file only

End of Record: Each record is preceded by its binary-coded record length counter

3. Mode: CD-ROM, Diskette (3.5)

Encoding: ASCII (American Standard Code for Information Interchange) Part Number Sequence

Record Length: Variable

Block Size: Not Applicable

Header Labels: Not Applicable

Tape Marks: Not Applicable

End of Record: Must be indicated with CRLF (Carriage Return Line Feed)

### 3.4. Exterior Labeling (Input File - Magnetic Media)

1. Name of Supplier

2. Supplier Code in File

3. File Transmission Date from Header Record

The file will not be processed by the Central Agency if this date is more than 30 days old, or in the future.

4. Number of Records in File (Excluding Header Records)

5. Type of Submission:

- Initial Load
- Annual Replacement Update
- Routine Update

6. Access Method Identification (Tape Only):

- QSAM Unspanned

Note:	Access method is the structure of the data as it is written to file. File to provide the variable length record/fixed block structure.
-------	--

QSAM - Calculation of the 4 byte character count for each record, and a 4 byte block count is provided by the system.

7. Header Labels

- None

8. Type of Data

- Procurement Data
- Discount Matrix Data

### 3.5. Batch Output File from Central Agency to Subscriber of Procurement Data

1. Mode: File Transfer  
Encoding: ASCII (American Standard Code for Information Interchange) Part Number Sequence  
Record Length: Variable  
Block Size: Not Applicable  
Header Labels: Not Applicable  
Tape Marks: Nor Applicable  
End of Record: Must be indicated with CRLF (Carriage Return Line Feed)
2. Mode: IBM 3480 Cartridge (compatible)  
Encoding: EBCDIC (Extended Binary Coded Decimal) Part Number Sequence  
Record Length: Variable  
Block Size: QSAM unspanned variable length with maximum block size of 4000 bytes which included a system-provided 4 byte character count and 4 byte block count  
Header Labels: None  
Tape Marks: Data Tape Mark at the end of file only  
End of Record: Each record is preceded by its system-provided 4 byte character count
3. Mode: CD-ROM  
Encoding: ASCII (American Standard Code for Information Interchange) Part Number Sequence  
Record Length: Variable  
Block Size: Not Applicable  
Header Labels: Not Applicable  
Tape Marks: Not Applicable  
End of Record: Must be indicated with CRLF (Carriage Return Line Feed)

### 3.6. Exterior Labeling (Output File - Magnetic Media)

- |  |  |
|--|--|
| 1. System Name                                 | Specification 2000 Procurement Data or SPEC 200 Procurement Data |
| 2. Agency Name                                 | Name of Central Agency   |
| 3. Data Recipient                              | (e.g. Air Canada)  |
| 4. Reel # of Reels                             | (e.g. 1 of 2)  |
| 5. File Transmission Date (From Header Record) | (e.g. 31 JAN 1988)   |
| 6. Density (where applicable)                  | (e.g. 1600 BPI)  |

- |   |  |
|---|--|
| 7. Number of Records on File (Excluding Header Records) | (e.g. 4063)                                    |
| 8. Type of Transmission                                 | Initial Load (Change Code N) or Routine Update |
| 9. Access Method Identification (where applicable)      | RECFM=V BLKSIZE=4000                           |

Note: Access method is the structure of the data as it is written to file.

QSAM - Calculation of the 4 byte character count for each record, and 4 byte block count is provided by the system.

### 3.7. Outbound Report from Central Agency to Subscriber of Procurement Data

1. Supplier
2. Number of Records per Supplier
3. Number of Records with Price Effective Date by Supplier

Note: Included with output file to Subscriber.

### 3.8. Submission Schedule for Supplier File

Files must be received by the Central Agency on or before the fourth Friday of the month to ensure the data is included on the outbound customer revisional files. Files submitted via file transfer are processed within 24 hours and data is immediately available to the customer via on-line query or on-demand file generation.

## 4. Header Records Formats - Procurement Data

### 4.1. Input to Central Agency

Element Name	TEI	Field Length and Type	Comments
Record Type Code	RTC	2 N	Always "06"
Transmission Type Code (TTC)	TTC	1 A	Always "A" or "U"
Supplier Code	SPL	5 A/N	
Transmission Date	TRD	6 N	DDMMYY
Delete Control Date	DCD	6 N	DDMMYY
Security Code	SEC	8 A/N	As Assigned

### 4.2. Output File to Subscriber of Procurement Data

Element Name	TEI	Field Length and Type	Comments
Record Type Code	RTC	2 N	Always "06"
Transmission Type Code	TTC	1 A	Always "U"

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<b>Element Name</b>	<b>TEI</b>	<b>Field Length and Type</b>	<b>Comments</b>
Tape or File Recipient Code	TRC	3-5 A/N	See Below*
Transmission Date	TRD	6 N	DDMMYY**

\* *Tape or File Recipient Code will be the 3 character Airline customer code or 5 character supplier code.*

\*\* *Transmission date will be the date of file creation by the central agency.*



### 4.3. Batch Input File Edit Process

Following are the edits performed by the Central Agency for each field of the Procurement Data Record.

**Table 2-4.16. Procurement Data - Batch File Header Record - Record Type 06**

<b>Data Field</b>	<b>Edit</b>	<b>Error Message</b>	<b>Central Agency Action</b>
Record Type Code	Must be '06'	Invalid Record Type	Reject record, bypass all associated data records and search for end of file.
Transmission Type Code	Must be 'U' or "A"	Invalid Transmission Type Code	Reject record, bypass all associated data records and search for end of file. If other than 'U' or 'A' default value 'U' applied. Advisory error to supplier.
Supplier Code	Must be 5 positions alphanumeric and on viewing matrix	Invalid Supplier Code	Reject record, bypass all associated data records and search for end of file.
Transmission Date	Must be valid date (DDMMYY) not older than 30 days prior to the current calendar date, or in the future	Invalid Transmission Date	Reject record, bypass all associated data records and search end of file.
Delete Control Date	Must be valid date (DDMMYY) when Transmission Type Code = A	Invalid Delete Control Date	Reject record, bypass all associated data records and search for end of file.
Security Code	Must match with Security Code on ATA security table, 8 position field alphanumeric (minimum field length of 8)	Invalid Security Code	Reject record, bypass all associated data records and search for end of file.

## 5. Header Records Format - Discount Matrix Table

### 5.1. Input to Central Agency

Element Name	TEI	Field Length and Type	Comments
Record Type Code	RTC	2 N	Always "99"
Transmission Type Code	TTC	1 A	Always "U" or "A"
Supplier Code	SPL	5 A/N	
Transmission Date	TRD	6 N	DDMMYY
Delete Control Date	DCD	6 N	DDMMYY
Security Code	SEC	8 A/N	As Assigned

## 5.2. Batch Input File Edit Process

Following are the edits performed by the Central Agency for each field of the Discount Matrix Record.

**Table 2-4.17. Discount Matrix - Batch File Header Record - Record Type 99**

<b>Data Field</b>	<b>Edit</b>	<b>Error Message</b>	<b>Central Agency Action</b>
Record Type Code	Must be "99"	Invalid Record Type	Reject record, bypass all associated data records and search for next end of file.
Transmission Type Code	Must be "U" or "A"	Invalid Transmission Type Code	Reject record, bypass all associated data records and search for end of file. If other than "U" or "A", default value "U" applied. Advisory error to supplier.
Supplier Code	Must be 5 positions alphanumeric and on viewing matrix	Invalid Supplier Code	Reject record, bypass all associated data records and search for next header record or end of file.
Transmission Date	Must be valid date (DDMMYY) not older than 30 days prior to the current calendar date, or in the future	Invalid Transmission Date	Reject record, bypass all associated data records and search for end of file.
Delete Control Date	Must be valid date (DDMMYY) when Transmission Type Code = "A"	Invalid Delete Control Date	Reject record, bypass all associated data records and search for end of file.
Security Code	Must match with Security Code on ATA security table, 8 position field alphanumeric (minimum field length of 8)	Invalid Security Code	Reject record, bypass all associated data records and search for end of file.

Table 2-4.18. Batch File Procurement Record - Record Type 07

Data Field	Edit	Error Message	Central Agency Action
Record Type Code	Must be `07`	Invalid Record Type	Reject record
Change Code	Must be N, R, T, D, or A	Invalid Change Code	Reject record
Supplier Code	Must be 5 positions alphanumeric and correspond to the supplier code on the header record	Invalid Supplier Code	Reject record
Manufacturer Code	5 alphanumeric	Invalid Manufacturer Code	Reject record
Part Number	Field length and COBOL picture verified. Edit and reformat per [ATA CSDD]	Invalid Part Number	Reject record
Keyword Name	8 alpha characters (max) embedded blanks are not acceptable and will be closed. If TEI is present but not conforming, the program will default to literal "Keyword"	Invalid Keyword Name	Advisory Message
Unit Price Amount	12 numeric (max)	Invalid Unit Price Amount	Reject record
Unit of Measure Code	2 alpha. If not on table of acceptable unit of measure program will default to ea	Invalid Unit of Measure	Reject record
International Currency Code	3 alpha as per [ATA CSDD]	Invalid International Currency Code	Reject record
Price Effective Date	Must be valid Date (DDMMYY)*	Invalid Price Effective Date	Reject record
Lead Time	3 numeric (max)	Invalid Lead Time	Reject record
Model of Applicability Code	4 alphanumeric in accordance with MOA access table	Invalid Model of Applicability Code	Reject record
Proprietary Code	1 alphanumeric in accordance with the [ATA CSDD]	Invalid Proprietary Code	Reject TEI
Aircraft System Code	2 numeric, as per [ATA CSDD]	Invalid Aircraft System Code	Reject TEI
Procurement Discount Percent	4 numeric (max)	Invalid Procurement Discount Percent	Reject TEI

---

<b>Data Field</b>	<b>Edit</b>	<b>Error Message</b>	<b>Central Agency Action</b>
Product Category Code	3 alphanumeric.	Invalid Product Category Code	Reject TEI

- A PED must be quoted within a time frame of Date-of-Receipt minus 300 days and Date-of-Receipt plus 180 days.

Table 2-4.19. Batch File Procurement Record - Record Type 07

Data Field	Edit	Error Message	Central Agency Action
Standard Package Quantity	3 numeric (max) , value must be >'1'	Invalid Standard Package Quantity	Reject TEI
Packaging Code	1 numeric	Invalid Packaging Code	Reject TEI
Overlength Part Number	32 alphanumeric edited and reformatted per [ATA CSDD] except field length.	Invalid Overlength Part Number	Reject record
Minimum Sales Quantity	5 numeric (max) value must be greater than 1	Invalid Minimum Sales Quantity	Reject TEI
Hazardous Material Code	6 alphanumeric	Invalid Hazardous Material Code	Reject record
International Commodity Code	6 numeric	Invalid International Commodity Code	Reject TEI
Category I Container Price Amount	2 numeric (min) 12 numeric (max)	Invalid Category I Container Price Amount	Reject TEI
Supplier Claimed Status Code	2 alphanumeric in accordance with the [ATA CSDD]	Invalid Supplier Claimed Status	Reject TEI
Price Held Firm - Date	Must be valid date (DDMMYY). Must be later than PED	Invalid Price Held Firm - Date	Reject TEI
Other Charges - Code and Amount	15 alphanumeric (max)	Invalid Other Charges - Code and Amount	Reject TEI
Unit of Measure Clarification Text	Field length and COBOL picture verified	Invalid Unit of Measure Clarification Text	Reject TEI
Replacing Source of Supply Code	5 alphanumeric (max)	Invalid Replacing Source of Supply Code	Reject TEI
Price Break - Quantity and Amount Text	Field length, COBOL picture verified, and valid use of the data set	Invalid Price Break - Quantity and Amount Text	Reject TEI
Alternate Supply Location Text	Field length, COBOL picture verified, and valid use of the data set	Invalid Alternate Supply Location Text	Reject TEI
Original Equipment Manufacturer Data Text	Field length, COBOL picture verified, and valid use of the data set	Invalid Original Equipment Manufacturer Data Text	Reject record
Replacing Part Data Text	Field length, COBOL picture verified, and valid use of the data set.	Invalid Replacing Part Data Text	Reject record

<b>Data Field</b>	<b>Edit</b>	<b>Error Message</b>	<b>Central Agency Action</b>
Remarks Text	Field length and COBOL picture verified. Can only be used with Replacing Part Data Text.	Invalid Remarks Text	Reject Record

**Table 2-4.20. Batch File Discount Matrix Table Record - Record Type 08**

<b>Data Field</b>	<b>Edit</b>	<b>Error Message</b>	<b>Central Agency Action</b>
Record Type Code	Must be "08"	Invalid Record Type Code	Reject record
Change Code	Must be N, R, T, D, or A	Invalid Change Code	Reject record
Supplier Code	Must be 5 positions alphanumeric and correspond to the supplier code on the header record	Invalid Supplier Code	Reject record
Product Category Code	Must be 3 position alphanumeric	Invalid Product Category Code	Reject record
Customer Category Code	Must be 3 position alphanumeric. First position must be "C"	Invalid Customer Category Code	Reject record
Discount Percent Code	Must be 4 position numeric	Invalid Discount Percent Code	Reject Record
Discount Effective Date	Must be a valid date (DDMMYY)*	Invalid Discount Effective Date	Reject Record

When using the variable pricing functionality, Customer Category Code (CCC) must be indicated in the viewing rights profile and Product Category Code (PCC) against the part records, as applicable, in addition to completing the Discount Matrix Table. A DED must be quoted within a time frame of Date-of-Receipt minus 300 days and Date-of-Receipt plus 180 days.



In certain situations, the DED will be moved to the PED field. In such cases, the DED must abide by all rules associated with the PED field.

**Table 2-4.21. Batch File Record Relational Edits**

<b>Data Field</b>	<b>Edit</b>	<b>Error Message</b>	<b>Central Agency Action</b>
Relational	New record must contain all mandatory TEIs	Missing Mandatory TEI With Chg ( )	Record Rejected
Relational	If UNP sent, PED and ICR must be submitted	Missing PED-ICR With UNP	Record Rejected
Relational	If UNT sent, PED must be submitted	Missing UNP-PED With UNT	Record Rejected
Relational	If ICR sent, UNP and PED must be submitted	Missing UNP-PED With ICR	Record Rejected
Relational	If UNP is On Quote, PQA Does Not Apply	Invalid PQA With UNP ON QUOTE	Reject TEI
Relational	Rem Only Used When RPD Present	Invalid REM. RPD Not Present.	Record Rejected.
Relational	CHG=N, all mandatory TEIs must be submitted	Missing Mandatory TEI. If applied against nonexistent record, Record Not Present.	Record Rejected
Relational	CHG=R, CHG, SPL, MFR, PNR must be sent	Missing Mandatory TEI. If applied against nonexistent record, Record Not Present	Record Rejected
Relational	CHG=T, all mandatory TEIs must be submitted	Missing Mandatory TEI	Record Rejected
Relational	CHG=D, CHG, SPL, MFR, PNR must be present	Missing Mandatory TEI. If applied against nonexistent record, Record Not Present	Record Rejected
Relational	Only TEIs of MOA, REM, RSS, ASL, PQA and RPD can have multiple occurrences	Invalid Repeating TEI, if TEI mandatory	Record Rejected or if TEI conditional, reject TEI
Relational	Each TEI has a limited number of occurrences	Repeating TEI Not Listed Consecutively, if mandatory	Record Rejected or if conditional, reject TEI
Relational	When deleting a TEI, must be followed by dash (no embedded space)	Invalid TEI	Record Rejected

Data Field	Edit	Error Message	Central Agency Action
Relational	RPD Supplier must be either: (1) the database Participant listing the part, (2) a database Participant within the same company as the Participant listing the part, or (3) not a database Participant (but authorized to access the database).	Invalid RPD Provider	Record rejected
Relational	Part History Records can only use Change Code N, R, D or T	Invalid CHG ( ) against Part Number history record	Record Rejected
Relational	Part History additions must include CHG, CPL, MFR, PNR, MOA and RPD	Missing Required TEI	Record Rejected
Relational	PRP, SPL, MFR relationship must be in accordance with the <a href="#">[ATA CSDD]</a>	Invalid PRP	TEI Rejected

## 6. Error Summary Report for Supplier's Batch Input File

If files do not pass edit checks by the Central Agency's processing system, the corresponding record's Part Number, Supplier and Error Remark(s) will be written to a summary file. All errors within the record will be identified. If the record is unrecognizable, the remark "INVALID FORMAT" will be used. For each error written to the summary file, a code will be assigned to facilitate sorting the file errors according to severity.

Action Code 1 = Entire File was rejected

Action Code 3 = Entire record was rejected

Action Code 4 = Conditional (nonmandatory) data element was rejected from record

Action Code 5 = Advisory message. No data was rejected from the record, however, nonconforming data was either corrected by the system edits, or a default value replaced an invalid value.

One error summary file will be produced for each file submitted (per Supplier Code). A summation of events will follow all records in error as follows:

Records Read:

Records Added:

Records Replaced:

Records Deleted:

Records In Error:

If the header record, Record Type Code "06" or "99", is invalid, the header will be written to the error summary with a notation that the entire file has been rejected.

On the "07" data records, the supplier and Manufacturer Code are validated in the following manner:

When RPD (replacement part data) data exists, the manufacturer of the original part must be one of the following:

= Not in the system as a Participant

= the Participant listing the part

= a Participant that belongs to the same company entity as the Participant listing the part.

An invalid condition is indicated by "INVALID RPD PROVIDER".

The following are additional error remarks which may appear on the error summary:

**"Conflicting character count"** - If the 4 byte character count which precedes each record differs from actual count.

**"Repeating TEI exceeded"**- If the maximum number of repeating TEI's (such as alternate supply location) is exceeded.

## **6.1. Customer Outbound Data - Monthly Revisional Files**

The Central Agency will make its best effort to have all outbound revisional files shipped to the Airlines/Supplier within ten calendar days of the fourth Friday's cutoff date; unless this date is a legal (U.S.) government holiday in which case it will be shipped on the following Monday. Distribution will be made by the recipient's preference of shipper and by using the recipient's shipping account number.

## **6.2. Customer Request for New File**

If the Airlines/Supplier is unable to process an update file, the Airlines/Supplier must request a copy of that update file prior to the subsequent revision cycle. Requests of this nature received after two weeks will result in an initial load file (Change Code = N) being sent to the Airlines/Supplier.

## 2-5. Procurement Contract Parts File

### 1. Purpose

The Procurement Contract Parts File is designed to support a Special Business Agreement between a supplier and a customer. It consists of Part Number data and procurement information to be used in contract proposals and in the final procurement contract itself. This file is transmitted from supplier to customer and is not part of the Central Procurement Data Base.

### 2. Procedures

Negotiations for a procurement contract may be initiated by either a supplier or a customer. The customer will use the format for File Specifications in [\[Section 5-3\]](#). The supplier will use the following format with a header Record Type Code (RTC) of "31".

### 3. File Transactions

#### 3.1. Header Record Layout - Supplier to Customer

1. Record Type Code (RTC) (/)

Always Coded 31

2. Transmission Type Code (TTC) (/)

P = Proposed Procurement Contract Parts File

C = Final Procurement Contract Parts File

3. Contract Number (CTN) (/)

4. Supplier Code (SPL) (/)

5. Transmission Date (TRD) (/)

The file will not be processed if TRD is more than 30 days old.

6. Price Held Firm - Date (PFD) (/)

#### 3.2. Detail Record Layout - Supplier to Customer

Note: The following Detail Record Layout is identical to the Detail Record Layout in [\[Section 2-2\]](#) (Central Procurement Data Base) with the following exceptions:

1. Record Type Code (RTC) = "32"
2. Zero price in the Unit Price Amount (UNP 00) is not allowed.

1. Record Type Code (RTC) (/)

Always Coded 32

2. Change Code (CHG) (/)

3. Supplier Code (SPL) (/)

4. Manufacturer Code (MFR) (/)

5. Part Number (PNR) (/)

The above five control data elements are positional, mandatory, and must be transmitted in the order shown. The balance of the data fields can be transmitted in any order but when establishing a new record all mandatory elements must be present.

6. Keyword Name (KWD) (/)

7. Unit Price Amount (UNP) (/)

Zero price (UNP 00) is not allowed in the Procurement Contract Parts File.

8. Unit of Measure Code (UNT) (/)

When UNT is transmitted, the UNP and PED TEIs must also be referenced.

9. International Currency Code (ICR) (/)

When ICR is transmitted, the UNP and PED TEIs must also be referenced.

10. Price Effective Date (PED) (/)

11. Lead Time (LTM) (/)

12. Model of Applicability Code (MOA) (/)

MOA can be repeated a maximum of 99 times.

Note: 1-12 are the mandatory data elements.
---

13. + Product Category Code (PCC) (/)

14. + Proprietary Code (PRP) (/)

15. + Aircraft System Code (ACS) (/)

16. + Procurement Discount Percent (PDP) (/)

17. + Standard Package Quantity (SPQ) (/)

18. + Packaging Code (PKG) (/)

19. + Overlength Part Number (OPN) (/)

20. + Minimum Sales Quantity (MSQ) (/)

21. + Hazardous Material Code (HAZ) (/)

22. + International Commodity Code (ICC) (/)

23. + Category I Container Price Amount (CAT) (/)

24. + Supplier Claimed Status Code (SCS) (/)

25. + Other Charges - Code and Amount (OCH) (/)

OCH is a Data Set Group and is only used once.

26. + Unit of Measure Clarification Text (UNC) (/)

UNC is a Data Set Group and is used only once.

27. + Replacing Source of Supply Code (RSS) (/)

Can be repeated a maximum of five times.

28. + Price Break - Quantity and Amount Text (PQA) (/)

PQA is a Data Set Group and can be repeated a maximum of ten times.

29. + Alternate Supply Location Text (ASL) (/)

ASL is a Data Set Group and can be repeated a maximum of ten times.

30. + Original Equipment Manufacturer Data Text (OMD) (/)

OMD is a Data Set Group and can be repeated a maximum of ten times.

31. + Replacing Part Data Text (RPD) (/)

RPD is a Data Set Group and can be repeated a maximum of five times.

32. + Remarks Text (REM)

REM can be repeated a maximum of five times and is only used in conjunction with the RPD TEI. This TEI is always, when applicable, the last data element on a record.

+ <i>Indicates conditional data elements</i>
--

## 2-6. On-Line Updates - Procurement Data Base

### 1. Command Code - P1UPDATE

#### 1.1. Purpose

Provides the ability for a supplier to add, delete, or revise Part Number information on the Central Procurement Data Base via on-line message transaction. Listed below under "Input Contents and Sequence" are the various data elements used to comprise a P1UPDATE transaction. At the end of each month, the central agency will capture all updates, creating files, which will then be mailed to the designated customer.

#### 1.2. Input Contents and Sequence

1. Command Code (/)
2. Supplier Code (SPL) (/)
3. Access Code (ACC) (/)

Used to validate security. This element is not stored as part of the record.

---End Of Line---

4. Change Code (CHG) (/)
5. Manufacturer Code (MFR) (/)
6. Part Number (PNR) (/)

Note: 1-6 are the control data elements, mandatory, and positional on all P1UPDATE commands.
--

7. Keyword Name (KWD) (/)

8. Unit Price Amount (UNP) (/)

Zero price (UNP .00) indicates a "Request Quote" requirement. When Unit Price Amount is transmitted, Price Effective Date (PED) and International Currency Code (ICR) are also required.

9. Unit of Measure Code (UNT) (/)

When UNT is transmitted, the UNP and PED TEI's must also be referenced.

10. International Currency Code (ICR) (/)

When ICR is transmitted the UNP and PED TEI's must also be referenced.

11. Price Effective Date (PED) (/)

12. Lead Time (LTM) (/)

13. Model of Applicability Code (MOA) (/)

MOA is transmitted by the supplier to the Central Agency. MOA can be repeated a maximum of 99 times on input, but is not transmitted to the customer in batch output files. For online EDI inquiries, the first occurrence of MOA against a part will be transmitted on the P1PDINQY complete response and complete dual response. MOA

can be repeated a maximum of 99 times and is not transmitted to the customer.

Note:	1-13 are required data fields when establishing a new record (i.e. not applicable to part history updates).
-------	---

14. + Product Category Code (PCC) (/)

PCC is not transferred to the customer.

15. + Proprietary Code (PRP) (/)

16. + Aircraft System Code (ACS) (/)

17. + Procurement Discount Percent (PDP) (/)

18. + Standard Package Quantity (SPQ) (/)

19. + Packaging Code (PKG) (/)

20. + Overlength Part Number (OPN) (/)

21. + Minimum Sales Quantity (MSQ) (/)

22. + Hazardous Material Code (HAZ) (/)

23. + International Commodity Code (ICC) (/)

24. + Category I Container Price Amount (CAT) (/)

25. + Supplier Claimed Status Code (SCS) (/)

26. + Price Held Firm - Date (PFD) (/)

27. + Other Charges - Code and Amount (OCH)

OCH is a Data Set Group and is only used once.

28. + Unit of Measure Clarification Text (UNC) (/)

UNC is a Data Set Group and can be used once.

29. + Replacing Source of Supply Code (RSS) (/)

RSS can be repeated a maximum of 5 times.

30. + Price Break - Quantity and Amount Text (PQA) (/)

PQA is Data Set Group and can be repeated a maximum of ten times.

31. + Alternate Supply Location Text (ASL) (/)

ASL is a Data Set Group and can be repeated a maximum of ten times.

32. + Original Equipment Manufacturer Data Text (OMD) (/)

OMD is a Data Set Group and can be repeated a maximum of ten times.

---End of Line---

33. + Replacing Part Data Text (RPD) (/)



RPD is a Data Set Group and can be repeated a maximum of five times. Each RPD set must begin on a new line.

34. + Remarks Text (REM)

REM can be repeated a maximum of five times and is only used in conjunction with the RPD TEI. All REM lines must begin on a new line.

## 2. Command Code - P1UPDATE Acknowledgement

### 2.1. Purpose

Provides the ability for the central agency to acknowledge back to the submitting supplier, the acceptance of an update transaction to the Procurement Data Base. Listed below under Input Contents and Sequence are the various data elements used to comprise the acknowledgement.

The Procurement Data Base programs will edit each Part Number record received. If an error condition is detected, an appropriate S1REJECT message will be received for that Part Number (See [\[Appendix 4\]](#)). If no error conditions exist, a P1UPDATE acknowledgement will be transmitted for each Part Number which passed the edit processing.

When the P1UPDATE acknowledgement is received by the supplier, there is no acknowledgement sent back to the Central Procurement Data Base.

### 2.2. Output Contents and Sequence

1. Command Code (/)
2. Supplier Code (SPL) (/)
- End of Line----
3. Change Code (CHG) (/)
4. Manufacturer Code (MFR) (/)
5. Part Number (PNR)
6. + Remarks Text

Will only be used by the central agency for advisory type messages.

## 3. Procedures

Several data conditions applicable to various portions of this section are of prime importance to the methods of transmitting data to and from the central agency. The data conditions are divided into the following categories:

- Update Change Codes
- Partial and Complete Transmission of Procurement Data Records
- Multiple Occurrences of a Text Element Identifier (TEI)
- Data Set Groups
- Deletion of Conditional Data Elements

- Replacement Part Data

Each of the above data conditions will be explained in detail in the pages that follow.

The PIUPDATE messages are stored in the Central Procurement Data Base immediately upon receipt. Once a month the Central Agency will send to the customer a consolidated file of data for all suppliers for which they are authorized. The file will contain a header record for a given customer followed by the data records for all suppliers. The data records are in Part Number and Supplier Code sequence.

Header record for Customer A

Part Number AAA105, Supplier X data record

Part Number AAA105, Supplier Y data record

Part Number B1056, Supplier G data record

If alpha "O" is encountered in a numeric Field, it will be converted to a numeric zero.

If a supplier duplicates a TEI that has been entered on the same transmission for a Part Number, and this TEI is not indicated for multiple occurrences, the TEI, if mandatory, will cause the whole record to reject. The TEI, if conditional, will cause the TEI to reject. The same edit procedure will apply to TEI's with multiple occurrences where the allowable number of entries is exceeded.

The following examples are designed to show what takes place on the Central Procurement Data Base. To illustrate the examples, a record may be represented on several lines in this document. Therefore realize that a continuation of a record on the next line does NOT necessarily depict a break in the record. Record breaks are dependent upon the line length of the network being used to update the Central Procurement Data Base. Additionally, decimal points are transmitted by the supplier in a PIUPDATE transaction and are transmitted to the customer in a PIPDINQY Response. Decimals are not transmitted to the customer in a batch output file.

## 4. Update Change Codes

Change Codes are transmitted to the central agency on the procurement data record to indicate the type of change being requested. There are four Change Codes used in the PIUPDATE on-line command - New, Revision, Total Replacement and Deletion.

### 4.1. New - Change Code = N

When establishing a new record, all mandatory data elements must be present. All other conditional data elements can be added if needed.

### 4.2. Revision - Change Code = R

When Change Code R is used, the following control data elements are mandatory to identify the record and must be transmitted in order:

Record Type Code

Change Code

Supplier Code

Manufacturer Code

Part Number

Any other data elements provided will be replaced (if they already exist) or added (if they do not presently exist).

### **4.3. Total Replacement - Change Code = T**

When Change Code T is used, the existing data base record will be replaced in total at the central agency. If the record does not exist on the central file, the record will be added to the data base. If record exists on the history file, it will be deleted from the history file and added to the central file. All mandatory data elements are required to do a total replacement. Conditional data elements are included as required. When the supplier uses this Change Code, the record received by the customer will have a Change Code of 'N' or 'R', whichever applies.

### **4.4. Delete - Change Code = D**

A delete is accomplished by providing a Change Code of D and the control data elements of:

Record Type Code

Change Code

Supplier Code

Manufacturer Code

Part Number

## 4.5. Update Change Codes (Change Code N)

*Table 2-6.1. Establish a New Record*

Data Elements	Data Base Record	Supplier	Customer	Updated Data Base Record
Change Code		N	N	
Supplier Code		88077	88077	88077
Manufacturer Code		88077	88077	88077
Part Number		75-1	75-1	75-1
Keyword Name		SCREW	SCREW	SCREW
Unit Price Amount		3.00	3.00	3.00
Unit of Measure Code		EA	EA	EA
International Currency Code		ITL	ITL	ITL
Price Effective Date		251087	251087	251087
Lead Time		10	10	10
Model of Applicability Code		MD01		MD01
+ Proprietary Code		3	3	3
+ Minimum Sales Quantity		10	10	10
+ Standard Package Quantity		10	10	10

+ = Conditional Data Elements

To establish a new record on the Central Procurement Data Base, the Change Code of N is applied. The minimum data elements required to establish a record are:

Change Code	Keyword Name	Price Effective Date
Supplier Code	Unit Price Amount	Lead Time
Manufacturer Code	Unit of Measure Code	Model of Applicability Code
Part Number	International Currency Code	

In addition to the minimum data elements, the supplier has added a Proprietary Code of 3, Minimum Sales Quantity of 10, and a Standard Package Quantity of 10.

### 4.5.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 88077/ACC XXXXXXXX/
CHG N/MFR 88077/PNR 75-1/KWD SCREW/UNP 3.00/
UNT EA/ICR ITL/PED 251087/LTM 10/MOA MD01/PRP 3/MSQ 10/SPQ 10
```

### 4.5.2. P1UPDATE Acknowledgement

CAM  
P1UPDATE/SPL 88077/  
CHG N/MFR 88077/PNR 75-1

## 4.6. Update Change Codes (Change Code R)

*Table 2-6.2.Revising a Part Number Record*

Data Elements	Data Base Record	Supplier	Customer	Updated Data Base Record
Change Code		R	R	
Supplier Code	88277	88277	88277	88277
Manufacturer Code	88277	88277	88277	88277
Part Number	75-1	75-1	75-1	75-1
Keyword Name	SCREW			SCREW
Unit Price Amount	3.00			3.00
Unit of Measure Code	EA			EA
International Currency Code	USD			USD
Price Effective Date	251087			251087
Lead Time	10			10
Model of Applicability Code	MD01			MD01
+ Product Category Code	P99			P99
+ Proprietary Code	3			3
+ Minimum Sales Quantity	10	5	5	5
+ Standard Package Quantity	10	5	5	5

+ = Conditional Data Elements

The Change Code of R is used to revise an existing record in the Central Procurement Data Base.

The supplier has transmitted a revised record to the Procurement Data Base. This action was to change the minimum sales and standard package quantities to 5.

### 4.6.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 88277/ACC XXXXXXXX/
CHG R/MFR 88277/PNR 75-1/MSQ 5/SPQ 5
```

### 4.6.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 88277/
CHG R/MFR 88277/PNR 75-1
```

## 4.7. Update Change Codes (Change Code T)

**Table 2-6.3. Total Replacement of a Record**

Data Elements	Data Base Record	Supplier	Customer	Updated Data Base Record
Change Code		T	N	
Supplier Code	36659	36659	36659	36659
Manufacturer Code	36659	36659	36659	36659
Part Number	1526793	1526793	1526793	1526793
Keyword Name	FAIRING	FAIRING	FAIRING	FAIRING
Unit Price Amount	254.00	254.00	254.00	254.00
Unit of Measure Code	EA	EA	EA	EA
International Currency Code	USD	USD	USD	USD
Price Effective Date	010787	010787	010787	010787
Lead Time	15	10	10	10
Model of Applicability Code	LK01	LK01		LK01
+ Proprietary Code	3	3	3	3
+ Packaging Code	1			
+ Aircraft System Code	25	25	25	25
+ Minimum Sales Quantity	10			

+ = Conditional Data Elements

The Change Code of T is used to totally replace a record. Revising an established record on the Central Procurement Data Base may be effected by submitting a complete replacement record, change coded T. This technique simply overlays the current record on file with the replacement record in lieu of adding, revising and deleting individual TEI's as specified in change code R records.

For the above example, supplier is changing the lead time, removing the Packaging Code and the minimum sales quantity from the record, and has elected to totally replace the record. When the `T' Change Code is used, all mandatory data elements must be restated. The customer will receive a Change Code `N' or `R', whichever applies. If the record does not exist on the central file, the record will be added to the data base.

### 4.7.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 36659/ACC 11111111/
CHG T/MFR 36659/PNR 1526793/KWD FAIRING/UNP 254.00/
UNT EA/ICR USD/PED 010787/LTM 10/MOA LK01/PRP 3/ACS 25
```

### 4.7.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 36659/
CHG T/MFR 36659/PNR 1526793
```

## 4.8. Update Change Codes (Change Code D)

*Table 2-6.4.Delete an Existing Record*

Data Elements	Data Base Record	Supplier	Customer	Updated Data Base Record
Change Code		D	D	
Supplier Code	88377	88377	88377	
Manufacturer Code	88377	88377	88377	
Part Number	75-1	75-1	75-1	
Keyword Name	SCREW			
Unit Price Amount	3.00			
Unit of Measure Code	EA			
International Currency Code	NZD			
Price Effective Date	251087			
Lead Time	10			
Model of Applicability Code	MD01			
+ Product Category Code	P99			
+ Proprietary Code	3			
+ Minimum Sales Quantity	5			
+ Standard Package Quantity	5			

+ = Conditional Data Elements

The Change Code of D is used to delete an entire record from the Procurement Data Base. If the D code is applied and Replacing Part Number data is resident, the Part Number replacement history will remain on file.

When deleting a record, the control data elements are the only elements transmitted to the Procurement Data Base. The control data elements are command code, supplier code, access code, change code, Manufacturer Code, and Part Number. The customer receives exactly what is sent by the supplier whether their choice is partial or complete records.

When deletion activity results from a change in Manufacturer Code, the supplier must first process a Replacing Source of Supply ADD transaction.

### 4.8.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 88377/ACC XXXXXXXX/
CHG D/MFR 88377/PNR 75-1
```

### 4.8.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 88377/
CHG D/MFR 88377/PNR 75-1
```



#### 4.9. Update Change Codes (Change Code A)

Change Code 'A' is the annual update Change Code and is **not used** with the PIUPDATE command code.

### 5. Partial and Complete Transmission of Procurement Data Records

Partial versus complete procurement data records do not apply when records are initially being established or are being totally replaced. However, when a record is revised, the supplier can provide the entire record or give only the data which has changed.

**Partial records** will always contain the four positional control data elements (Change Code, Supplier Code, Manufacturer Code, and Part Number) plus any elements which have changed.

**Complete records** will contain all data elements for a Part Number including the elements which have changed. The supplier has the option to send the data in partial or complete images.

*Table 2-6.5. Establishing a Part Number Record*

Data Elements	Data Base Record	Supplier (Complete)	Customer	Updated Data Base Record
Change Code		N	N	
Supplier Code		88277	88277	88277
Manufacturer Code		88277	88277	88277
Part Number		ARB0022	ARB0022	ARB0022
Keyword Name		BOLT	BOLT	BOLT
Unit Price Amount		170.00	170.00	170.00
Unit of Measure Code		EA	EA	EA
International Currency Code		USD	USD	USD
Price Effective Date		280487	280487	280487
Lead Time		10	10	10
Model of Applicability Code		MD01		MD01
+ Proprietary Code		3	3	3

+ = Conditional Data Elements

When a record is being established, the customer will always receive all data elements (except Model of Applicability Code) which are sent to the Central Procurement Data Base. Because this establishes a Part Number record, both Customers A and B will receive all the data transmitted.

#### 5.1. Supplier Transmission

```
CAM
PIUPDATE/SPL 88277/ACC XXXXXXXX/
CHG N/MFR 88277/PNR ARB0022/KWD BOLT/UNP 170.00/
```

### **5.1.1. P1UPDATE Acknowledgement**

CAM  
P1UPDATE/SPL 88277/  
CHG N/MFR 88277/PNR ARB0022

## 5.2. Partial and Complete Transmission of Procurement Data Records

**Table 2-6.6. Establishing a Part Number Record Complete**

Data Elements	Data Base Record	Supplier (Complete)	Customer	Updated Data Base Record
Change Code		N	N	
Supplier Code		88177	88177	88177
Manufacturer Code		88177	88177	88177
Part Number		ARB0022	ARB0022	ARB0022
Keyword Name		BOLT	BOLT	BOLT
Unit Price Amount		170.00	170.00	170.00
Unit of Measure Code		EA	EA	EA
International Currency Code		GBP	GBP	GBP
Price Effective Date		280487	280487	280487
Lead Time		10	10	10
Model of Applicability Code		MD01		MD01
+ Proprietary Code		3	3	3

+ = Conditional Data Elements

When a record is being established, the customer will receive all data elements (except Model of Applicability Code) which are sent to the Procurement Data Base. The supplier has elected to transmit **partial** records **but since this transmission is to establish a new Part Number, all mandatory elements must be sent.**

### 5.2.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 88177/ACC XXXXXXXX/
CHG N/MFR 88177/PNR ARB0022/KWD BOLT/UNP 170.00/
UNT EA/ICR GBP/PED 280487/LTM 10/MOA MD01/PRP 3
```

### 5.2.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 88277/
CHG N/MFR 88277/PNR ARB0022
```

### 5.3. Partial and Complete Transmission of Procurement Data Records

*Table 2-6.7. Revising a Part Number Record - Partial*

Data Elements	Data Base Record	Supplier (Partial)	Customer	Updated Data Base Record
Change Code		R	R	
Supplier Code	88277	88277	88277	88277
Manufacturer Code	88277	88277	88277	88277
Part Number	ARB0022	ARB0022	ARB0022	ARB0022
Keyword Name	BOLT		BOLT	BOLT
Unit Price Amount	170.00		170.00	170.00
Unit of Measure Code	EA		EA	EA
International Currency Code	USD		USD	USD
Price Effective Date	280487		280487	280487
Lead Time	60	30	30	30
Model of Applicability Code	MD01			MD01
+ Product Category Code	P99			P99

When the supplier transmits only changed data elements to the Central Procurement Data Base, the customers will receive the entire record. In this example the lead time was changed from 60 to 30 days.

#### 5.3.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 88277/ACC XXXXXXXX/
CHG R/MFR 88277/PNR ARB0022/LTM 30
```

#### 5.3.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 88277/
CHG R/MFR 88277/PNR ARB0022
```

## 5.4. Partial and Complete Transmission of Procurement Data Records

**Table 2-6.8. Total Replacement of a Part Number Record**

Data Elements	Data Base Record	Supplier Complete	Customer	Updated Data Base Record
Change Code		T	R	
Supplier Code	88277	88277	88277	88277
Manufacturer Code	88277	88277	88277	88277
Part Number	ARB0022	ARB0022	ARB0022	ARB0022
Keyword Name	BOLT	BOLT	BOLT	BOLT
Unit Price Amount	170.00	170.00	170.00	170.00
Unit of Measure Code	EA	EA	EA	EA
International Currency Code	USD	USD	USD	USD
Price Effective Date	280487	280487	280487	280487
Lead Time	30	60	60	60
Model of Applicability Code	MD01	MD01		MD01
+ Proprietary Code	3	3	3	3

+ = Conditional Data Elements

When the supplier transmits to the Central Procurement Data Base a total replacement record, the customers will receive a complete record (Change Code N or R).

### 5.4.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 88277/ACC XXXXXXXX/
CHG T/MFR 88277/PNR ARB0022/KWD BOLT/UNP 170.00/
UNT EA/ICR USD/PED 280487/LTM 60/MOA MD01/PRP 3
```

### 5.4.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 88277/
CHG T/MFR 88277/PNR ARB0022
```

## 6. Multiple Occurrences of a Text Element Identifier

A selected group of TEI's can have multiple occurrences. These TEI's are:

- Model of Applicability Code (MOA)
- Remarks Text (REM)
- Replacing Source of Supply Code (RSS)

- Alternate Supply Location Text (ASL)
- Original Equipment Manufacturer Data Text (OMD)
- Price Break - Quantity and Amount Text (PQA)
- Replacing Part Data Text (RPD)

Additionally, there can be data set groups within a TEI. The following examples will deal with multiple occurrences of a TEI which do not have data set groups. These are Model of Applicability Code, Replacing Source of Supply Code, Replacing Part Number and Remarks Text. However, since Remarks Text can only be used with Replacing Part Data Text, Remarks will be discussed in conjunction with data set groups and specifically with the replacement part data. When the above TEI's are repeated, they must appear consecutively in the record.

When a supplier changes any data with multiple occurrences, all occurrences which should remain on the central procurement data base must also be transmitted. The central agency will delete all existing occurrences and insert the new information transmitted by the supplier.

## 7. Model of Applicability Code

### 7.1. Model of Applicability Code

Model of Applicability Code (MOA) is defined by the supplier to both modelize their data and to assist in establishing who will receive the supplier's data. It is used by airframe and engine manufacturers to modelize their fleet and provide the ability to state certain customers may receive data on one model but not another. The MOA TEI also provides the subtier manufacturer the ability to note that a Part Number applies to an airframe's particular model. Again, this provides for the control of the data in the Central Procurement Data Base. When adding an MOA to an existing record, all MOA's to which the Part Number applies must be restated. Any MOA which is not restated will be deleted from the Central Procurement Data Base and when the monthly update is sent to the customer, these records will be transmitted as deletions to their file. For those suppliers who do not wish to modelize their procurement data, the generic code to be used is MOA ZZ99.

**Table 2-6.9. Model of Applicability - Establishing a Part Number Record**

Data Elements	Supplier Transmission	Customer A Partial MD01	Customer B Partial MD02	Customer C Partial MD01 MD02
Change Code	N	N		N
Supplier Code	88277	88277		88277
Manufacturer Code	88277	88277		88277
Part Number	4951181-1	4951181-1		4951181-1
Keyword Name	SUPPORT	SUPPORT		SUPPORT
Unit Price Amount	151.00	151.00		151.00
Unit of Measure Code	EA	EA		EA
International Currency Code	USD	USD		USD
Price Effective Date	150687	150687		150687
Lead Time	10	10		10
Model of Applicability Code	MD01			
+ Proprietary Code	3	3		3

+ = Conditional Data Elements

The supplier has designated customers A and C to receive MD01 procurement records. Therefore in this example, the supplier has transmitted data applicable to only the MD01 and the central agency transmits the information to the appropriate customers.

#### 7.1.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 88277/ACC XXXXXXXX/
CHG N/MFR 88277/PNR 4951181-1/KWD SUPPORT/UNP 151.00/
UNT EA/ICR USD/PED 150687/LTM 10/MOA MD01/PRP 3
```

#### 7.1.2. P1UPDATE Acknowledgement

```
CAM
```

P1UPDATE/SPL 88277/  
CHG N/MFR 88277/PNR 491181-1



## 7.2. Model of Applicability Code

*Table 2-6.10. Adding Another Model of Applicability to a Record*

Data Elements	Supplier Transmission	Customer A Partial MD01	Customer B Partial MD02	Customer C Partial MD01 MD02
Change Code	R		N	
Supplier Code	88377		88377	
Manufacturer Code	88377		88377	
Part Number	4951181-1		4951181-1	
Keyword Name			SUPPORT	
Unit Price Amount			151.00	
Unit of Measure Code			EA	
International Currency Code			SID	
Price Effective Date			150687	
Lead Time			10	
Model of Applicability Code	MD01			
Model of Applicability Code	MD02			

The only change made to the record was the addition of another Model of Applicability Code (MD02). Since Customer A and C had already received the data, nothing is transmitted to either customer. Customer B has elected to receive partial data but since this is the first occurrence of the Part Number to Customer B, the complete record will be received.

### 7.2.1. Supplier Transmission:

```
CAM
P1UPDATE/SPL 88277/ACC XXXXXXXX/
CHG R/MFR 88277/PNR 4951181-1/MOA MD01/MOA MD02
```

### 7.2.2. P1UPDATE Acknowledgement:

```
CAM
P1UPDATE/SPL 88277/
CHG R/MFR 88277/PNR 4951181-1
```

### 7.3. Model of Applicability Code

*Table 2-6.11. Deleting a Model of Applicability From a Record*

Data Elements	Supplier Transmission	Customer A Partial MD01	Customer B Partial MD02	Customer C Partial MD01 MD02
Change Code	R		D	
Supplier Code	88277		88277	
Manufacturer Code	88277		88277	
Part Number	4951181-1		4951181-1	
Keyword Name				
Unit Price Amount				
Unit of Measure Code				
International Currency Code				
Price Effective Date				
Lead Time				
Model of Applicability Code	MD01			

The supplier is transmitting a deletion of MD02, a previously established Model of Applicability Code (MOA). The supplier transmits the revision and states the existing MOA or MOA's. The central agency will only transmit to Customer B because MD02 is the only model of applicability established for Customer B. Because the part is still applicable to MD01, Customer A and C will receive no transmission.

#### 7.3.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 88277/ACC XXXXXXXX/
CHG R/MFR 88277/PNR 4951181-1/MOA MD01
```

#### 7.3.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 88277/
CHG R/MFR 88277/PNR 4951181-1
```

## 8. Data Set Groups

Data set groups are a method of collecting groups of information together within a Text Element Identifier (TEI). There are six data set groups which apply:

Price Break - Quantity and Amount Text (PQA)

Alternate Supply Location Text (ASL)

Original Equipment Manufacturer Data Text (OMD)

Unit of Measure Clarification Text (UNC)

Other Charges - Code and Amount (OCH)

Replacing Part Data Text (RPD)

PQA, ASL, OMD and RPD can have multiple occurrences, while the others may only be used once.

**Table 2-6.12. Price Break - Quantity and Amount Text**

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
Change Code		R	
Supplier Code	88277	88277	88277
Manufacturer Code	88277	88277	88277
Part Number	21-501	21-501	21-501
Keyword Name	NUT		NUT
Unit Price Amount	14.00		14.00
Unit of Measure Code	EA		EA
International Currency Code	USD		USD
Price Effective Date	280487		280487
Lead Time	30		30
Model of Applicability Code	MD01		MD01
+ Product Category Code	P99		P99
+ Price Break - Quantity and Amount Text		PQA	
(From Quantity)	2	2	2
(Unit Price Amount)	13.00	12.00	12.00

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier revised the record to change the price to 12.00 for the PQA of a quantity of 2. The entire Data Set Group must be retransmitted.

### **Supplier Transmission**

CAM  
P1UPDATE/SPL 88277/ACC XXXXXXXX/  
CHG R/MFR 88277/PNR 21-501/~~PQA 2 12.00~~

### **P1UPDATE Acknowledgement**

CAM  
P1UPDATE/SPL 88277/  
CHG R/MFR 88277/PNR 21-501

## 8.1. Data Set Groups

**Table 2-6.13. Alternate Supply Location Text**

Data Elements	Supplier Transmission	Data Base Record	Customer
Change Code	N		N
Supplier Code	K0377	K0377	K0377
Manufacturer Code	K0377	K0377	K0377
Part Number	CH1246	CH1246	CH1246
Keyword Name	BOLT	BOLT	BOLT
Unit Price Amount	1.00	1.00	1.00
Unit of Measure Code	EA	EA	EA
International Currency Code	GBP	GBP	GBP
Price Effective Date	010990	010990	010990
Lead Time	30	30	30
Model of Applicability Code	LC01	LC01	
+ Alternate Supply Location Text	ASL		ASL
(Alternate Supply Location Code)	K0377	K0377	K0377
(Unit Price Amount)	1.70	1.70	1.70
(International Currency Code)	USD	USD	USD
(Price Effective Date)	010990	010990	010990
+ Alternate Supply Location Text	ASL		ASL
(Alternate Supply Location Code)	99565	99565	99565
(Unit Price Amount)	2.00	2.00	2.00
(International Currency Code)	CAD	CAD	CAD
(Price Effective Date)	010990	010990	010990

+ = Conditional Data Elements

() = Components of a Data Set Group

In the above example a new record is being added. The Data Step Group ASL is used to indicate the alternate supplier 99565, and also shows an alternate currency for K0377.

### 8.1.1. Supplier Transmission

```
CAM
P1UPDATE/SPL K0377/ACC 12345678/
CHG N/MFR K0377/PNR CH1246/KWD BOLT/UNP 1.00/UNT EA/
ICR GBP/PED 010990/LTM 30/MOA LC01/
ASL K0377 1.70 USD 010990/ASL 99565 2.00 CAD 010990
```

### **8.1.2. P1UPDATE Acknowledgement**

CAM  
P1UPDATE/SPL K0377/  
CHG N/MFR K0377/PNR CH1246

## 8.2. Data Set Groups

**Table 2-6.14. Unit of Measure Clarification Text**

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
Change Code		R	
Supplier Code	07482	07482	07482
Manufacturer Code	07482	07482	07482
Part Number	K270P03	K270P03	K270P03
Keyword Name	WIRE		WIRE
Unit Price Amount	25.00		25.00
Unit of Measure Code	LG		LG
International Currency Code	USD		USD
Price Effective Date	300587		300587
Lead Time	10		10
Model of Applicability Code	GEO1		GEO1
+ Product Category Code	P99		P99
+ Unit of Measure Clarification Text		UNC	
(Quantity)	20	40	40
(Unit of Measure Code)	FT	FT	FT

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier is changing the unit of measure clarification text to indicate the spool of wire is now sold in 40 foot lengths.

### 8.2.1. Supplier Transmission

CAM  
P1UPDATE/SPL 07482/ACC 2222222/  
CHG R/MFR 07482/PNR K270P03/**UNC 40 FT**

### 8.2.2. P1UPDATE Acknowledgement

CAM  
P1UPDATE/SPL 07482/  
CHG R/MFR 07482/PNR K270P03

## 9. Deletion of Conditional Data Elements

**Table 2-6.15. Deletion of a Standard Package Quantity**

Data Elements	Data Base Record	Supplier Partial	Customer A Partial	Customer B Complete	Updated Data Base Record
Change Code		R	R	R	
Supplier Code	88277	88277	88277	88277	88277
Manufacturer Code	88277	88277	88277	88277	88177
Part Number	25-5	25-5	25-5	25-5	25-5
Keyword Name	PIN			PIN	PIN
Unit Price Amount	14.00			14.00	14.00
Unit of Measure Code	EA			EA	EA
International Currency Code	USD			USD	USD
Price Effective Date	300487			300487	300487
Lead Time	10			10	10
Model of Applicability Code	MD01				MD01
+ Standard Package Quantity	2	SPQ-	SPQ-		

+ = Conditional Data Elements

Individual conditional data elements (those identified in the record layout with a plus sign +) can be deleted by providing the Text Element Identifier (TEI) immediately followed by a dash (no space). In the above example, the supplier is removing the standard package quantity of 2.

Customer B is established with the central agency to always receive complete records (all data elements). Customer B will totally replace their record with the input from the central agency, thus effecting the removal of the SPQ as in this example.

### Supplier Transmission

```
CAM
P1UPDATE/SPL 88277/ACC XXXXXXXX/
CHG R/MFR 88277/PNR 25-5/SPQ-
```

### P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 88277/
CHG R/MFR 88277/PNR 25-5
```



## 9.1. Deletion of Conditional Data Elements

**Table 2-6.16. Deletion of a Data Set Group**

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
Change Code		R	
Supplier Code	88277	88277	88277
Manufacturer Code	88277	88277	88277
Part Number	21-501	21-501	21-501
Keyword Name	PIN		PIN
Unit Price Amount	14.00		14.00
Unit of Measure Code	EA		EA
International Currency Code	USD		USD
Price Effective Date	280487		280487
Lead Time	30		30
Model of Applicability Code	MD01		MD01
+ Product Category Code	P99		P99
+ Price Break - Quantity and Amount Text		PQA-	
(From Quantity)	2		
(Unit Price Amount)	13.00		
+ Price Break - Quantity and Amount Text			
(From Quantity)	10		
(Unit Price Amount)	9.00		

+ = Conditional Data Elements

() = Components of a Data Set Group

Data set groups are deleted in the same manner as conditional elements. The supplier transmitted the TEI of PQA followed by a dash. This action deleted all associated price break quantities and amounts from the Central Procurement Data Base.

### 9.1.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 88277/ACC XXXXXXXX/
CHG R/MFR 88277/PNR 21-501/PQA-
```

### 9.1.2. P1UPDATE Acknowledgement

```
CAM
```

## 10. Replacement Part Data

Replacing Part Data Text consists of four data elements:

Replacing Part Number	Interchangeability Code
Manufacturer Code	Manufacturer Authority Text

Replacing Part Data Text is restricted to and under the full control of the original equipment manufacturer.

A Replacing Part Number can be applied to a record in two ways:

1. The data (i.e., Unit Price Amount and Lead Time) still applies to the original Part Number, therefore replacement part data is added to the existing record.
2. The original Part Number is deleted and only the Replacing Part Number is referenced. In this case, a Part Number history record is established.

### 10.1. Part Number History Records

When the original Part Number is deleted and the impart history record exists on the file, the data remains in the Central Procurement Data System for a period of three years unless specifically deleted by the supplier.

At the option of the supplier, previous part history records can be added to the Procurement Data System to establish prior Part Number chains. The system provides the ability to add, change or delete part history records.

### 10.2. Record Updates

To create a part history replacement part data record, only the following data elements are required:

**Note: If any additional data elements (e.g., Unit Price Amount, Lead Time) are submitted, the record will be processed as new to the Central Procurement Data Base. Under these circumstances, if a part history record already existed, it would be deleted.)**

Change Code (N)	Part Number
Supplier Code	Model of Applicability Code
Manufacturer Code	TEI or RPD

To change RPD information which already exists as a part history record, the following is required:

Change Code (R)	Part Number
Supplier Code	TEI or RPD
Manufacturer Code	

To delete the procurement information (i.e., Unit Price Amount, Lead Time, etc.) from an existing record but not the RPD

information (which already exists), thus creating a part history RPD record, only the following data elements are required:

Change Code (D)	Manufacturer Code
Supplier Code	Part Number

To delete procurement information (i.e., Unit Price Amount, Lead Time, etc.) from an existing record and add the RPD information in one step, thus creating a part history RPD record, the following data elements are required:

Change Code (D)	Part Number
Supplier Code	TEI of RPD
Manufacturer Code	

To delete a record (whether it is a part history or a full record which includes RPD) from the data base, the following data elements are required:

Change Code (D)	Part Number
Supplier Code	The TEI of RPD and a dash (-),
Manufacturer Code	i.e. RPD-

### 10.3. Replacement Part Data

*Table 2-6.17. Adding Replacement Part Data to an Existing Record*

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record	Updated Record After Delete Date
Change Code		R		
Supplier Code	81205	81205	81205	
Manufacturer Code	81205	81205	81205	
Part Number	65-1	65-1	65-1	
Keyword Name	PANEL		PANEL	
Unit Price Amount	10.00		10.00	
Unit of Measure Code	EA		EA	
International Currency Code	USD		USD	
Price Effective Date	100287		100287	
Lead Time	10		10	
Model of Applicability Code	BA01		BA01	
+ Product Category Code	P99		P99	
+ Proprietary Code	3		3	
+ Replacing Part Data Text		RPD		
(Replacing Part Number)		65-2	65-2	
(Manufacturer Code)		81205	81205	
(Interchangeability Code)		2	2	
(Manufacturer Authority Text)		SB124-87	SB124-87	

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier transmitted replacement part data using a change code of R. The supplier will still supply Part Number 65-1 and all data elements will apply to the Part Number. The Procurement Data Base would be updated to reflect the Replacing Part Number (65-2). The supplier would also transmit a new record (Change Code N) to establish Part Number 65-2 and its data elements in the data base.

#### 10.3.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 81205/ACC 2222222/
CHG R/MFR 81205/PNR 65-1/
RPD 65-2 81205 2 SB124-87
CHG N/MFR 81205/PNR 65-2/KWD PANEL/ ICR USD/UNP 10.00/
PED 100287/LTM 10/MOA BA01/PRP 3
```

### **10.3.2. P1UPDATE Acknowledgement**

CAM  
P1UPDATE/SPL 81205/  
CHG R/MFR 81205/PNR 65-1  
CHG N/MFR 81205/PNR 65-2

## 10.4. Replacement Part Data

**Table 2-6.18. Deleting Replacement Part Data From an Existing Record**

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record	Updated Part History Record
Change Code		R		
Supplier Code	81205	81205	81205	
Manufacturer Code	81205	81205	81205	
Part Number	65-1	65-1	65-1	
Keyword Name	PANEL		PANEL	
Unit Price Amount	10.00		10.00	
Unit of Measure Code	EA		EA	
International Currency Code	USD		USD	
Price Effective Date	100287		100287	
Lead Time	10		10	
Model of Applicability Code	BA01		BA01	
+ Product Category Code	P99		P99	
+ Proprietary Code	3		3	
+ Replacing Part Data Text		RPD-		
(Replacing Part Number)	65-2			
(Manufacturer Code)	81205			
(Interchangeability Code)	2			
(Manufacturer Authority Text)	SB124-87			

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier has applied replacement part data to an existing record and wishes to remove the Replacing Part Number. The supplier would send the control data elements for Part Number 65-1 and the RPD TEI immediately followed by a dash (no space between RPD and the dash). This would remove the Replacing Part Data Text (Data Set Group) from the record.

### 10.4.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 81205/ACC 2222222/
CHG R/MFR 81205/PNR 65-1/ RPD-
```

### 10.4.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 81205/
CHG R/MFR 81205/PNR 65-1
```

## 10.5. Replacement Part Data

**Table 2-6.19. Total Part Number Replacement**

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record	Updated Part History Record
Change Code		D		
Supplier Code	81205	81205		81205
Manufacturer Code	81205	81205		81205
Part Number	65-3	65-3		65-3
Keyword Name	PANEL			
Unit Price Amount	10.00			
Unit of Measure Code	EA			
International Currency Code	USD			
Price Effective Date	100287			
Lead Time	10			
Model of Applicability Code	BA01			BA01
Model of Applicability Code	BA02			BA02
+ Product Category Code	P99			
+ Replacing Part Data Text		RPD		
(Replacing Part Number)		65-4		65-4
(Manufacturer Code)		81205		81205
(Interchangeability Code)		1		1
(Manufacturer Authority Text)		SB124-87		SB124-87

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier has applied a Change Code of D to the original record for Part Number 65-3 and referenced Replacing Part Data Text for Part Number 65-4. This action will delete the Part Number record for 65-3 and establish a part history record. When an inquiry to the Central Procurement Data Base is made against Part Number 65-3, the response will indicate the part has been replaced by 65-4. In addition, the supplier would send a new record (Change Code N) to establish Part Number 65-4 and its associated data elements in the data base.

### 10.5.1. Supplier Transmission

```

CAM
P1UPDATE/SPL 81205/ACC 2222222/
CHG D/MFR 81205/PNR 65-3/MOA BA01/MOA BA02/
RPD 65-4 81205 1 SB124-87
CHG N/MFR 81205/PNR 65-4/KWD PANEL/ICR USD/UNP 10.00/
PED 100287/LTM 10/MOA BA01/PRP 3

```

## **10.5.2. P1UPDATE Acknowledgement**

CAM  
P1UPDATE/SPL 81205/  
CHG D/MFR 81205/PNR 65-3  
CHG N/MFR 81205/PNR 65-4



## 10.6. Replacement Part Data-Part History Record

*Table 2-6.20. To Add a Part History Record*

Data Elements	Part History Record	Supplier Transmission	Updated Part History Record
Change Code		N	
Supplier Code		81205	81205
Manufacturer Code		81205	81205
Part Number		65-5	65-5
Keyword Name			
Unit Price Amount			
Unit of Measure Code			
International Currency Code			
Price Effective Date			
Lead Time			
Model of Applicability Code		BA01	BA01
+ Replacing Part Data Text		RPD	
(Replacing Part Number)		65-6	65-6
(Manufacturer Code)		81205	81205
(Interchangeability Code)		2	2
(Manufacturer Authority Text)		SB124-87	SB124-87

+ = Conditional Data Elements

() = Components of a Data Set Group

When a supplier elects to add previous part history records to the Procurement Data Base, the change code of N is used. The RPD Data Set Group and the control data elements are sent to the Procurement Data Base. This action would only be necessary if a supplier elected to establish part history records for part numbers which were effective prior to the supplier becoming a participant. This update action is not sent to the customer on the monthly revision file.

### 10.6.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 81205/ACC 22222222/
CHG N/MFR 81205/PNR 65-5/MOA BA01/
RPD 65-6 81205 2 SB124-87
```

### 10.6.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 81205/
CHG N/MFR 81205/PNR 65-5
```

## 10.7. Replacement Part Data-Part History Record

**Table 2-6.21. To Change Part History Record**

Data Elements	Part History Record	Supplier Transmission	Updated Part History Record
Change Code		R	
Supplier Code	81205	81205	81205
Manufacturer Code	81205	81205	81205
Part Number	65-3	65-3	65-3
Keyword Name			
Unit Price Amount			
Unit of Measure Code			
International Currency Code			
Price Effective Date			
Lead Time			
Model of Applicability Code	BA01	BA01	BA01
Model of Applicability Code	BA02		
+ Replacing Part Data Text		RPD	
(Replacing Part Number)	65-4	65-4	65-4
(Manufacturer Code)	81205	81205	81205
(Interchangeability Code)	1	2	2
(Manufacturer Authority Text)	SB124-87	SB124-87	SB124-87

+ = Conditional Data Elements

() = Components of a Data Set Group

Once the part history record has been established, if the supplier has a need to change the history record, a transmission would be sent to the Central Procurement Data Base. In this example the Model of Applicability Code, BA02, is being removed and the Interchangeability Code is being changed from a 1 to a 2. Since RPD is a Data Set Group, all of the information within the group must be transmitted. This update action is not sent to the customer on the monthly revision file.

### 10.7.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 81205/ACC 2222222/
CHG R/MFR 81205/PNR 65-3/MOA BA01/
RPD 65-4 81205 2 SB124-87
```

### 10.7.2. P1UPDATE Acknowledgement

CAM

P1UPDATE/SPL 81205/  
CHG R/MFR 81205/PNR 65-3

## 10.8. Replacement Part Data-Part History Record

*Table 2-6.22. Replacement to Delete a Part History Record*

Data Elements	Part History Record	Supplier Transmission	Updated Part History Record
Change Code		D	
Supplier Code	81205	81205	
Manufacturer Code	81205	81205	
Part Number	65-3	65-3	
Keyword Name			
Unit Price Amount			
Unit of Measure Code			
International Currency Code			
Price Effective Date			
Lead Time			
Model of Applicability Code	BA01		
Model of Applicability Code	BA02		
+ Replacing Part Data Text		RPD-	
(Replacing Part Number)	65-4		
(Manufacturer Code)	81205		
(Interchangeability Code)	2		
(Manufacturer Authority Text)	SB124-87		

+ = Conditional Data Elements

() = Components of a Data Set Group

If a supplier wants to delete a Part History record (Change Code D), the control data elements are transmitted and the RPD TEI immediately followed by a dash (no space). This action would cause the record to be deleted from the Procurement Data Base and a record would not be sent to the customer on their monthly revision file.

### 10.8.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 81205/ACC 2222222/
CHG D/MFR 81205/PNR 65-3/ RPD-
```

### 10.8.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 81205/
CHG D/MFR 81205/PNR 65-3
```

## 10.9. Replacement Part Data - Part History with Remarks

**Table 2-6.23. Additional Remarks for Manufacturer Authority Text**

Data Elements	Data Base Record	Supplier Partial
Change Code		D
Supplier Code	81205	81205
Manufacturer Code	81205	81205
Part Number	65-8	65-8
Keyword Name	SOCKET	
Unit Price Amount	10.00	
Unit of Measure Code	EA	
International Currency Code	USD	
Price Effective Date	250687	
Lead Time	10.00	
Model of Applicability Code	BA01	
+ Product Category Code	P99	
+ Proprietary Code	3	
+ Replacing Part Data Text		RPD
(Replacing Part Number)		65-10
(Manufacturer Code)		81205
(Interchangeability Code)		1
(Manufacturer Authority Text)		SB123-87
+ Remarks Text		NO ATTACHING HARDWARE

+ = Conditional Data Elements

() = Components of a Data Set Group

Manufacturer Authority Text is limited to 40 characters. If additional information is required that cannot be explained within the Manufacturer Authority Text, the TEI of REM can be used for additional explanation. There can be five occurrences of the Remarks Text TEI.

### 10.9.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 81205/ACC 22222222/
CHG D/MFR 81205/PNR 65-8/
RPD 65-10 81205 1 SB123-87/
REM NO ATTACHING HARDWARE
```

## **10.9.2. P1UPDATE Acknowledgement**

CAM  
P1UPDATE/SPL 81205/  
CHG D/MFR 81205/PNR 65-8

## 11. Discount Matrix Table

### 11.1. Discount Matrix Table - Add

*Table 2-6.24. Add to the Discount Matrix Table*

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
Change Code		N	
Supplier Code		88277	
Product Category Code		P01	P01
Customer Category Code		C01	C01
Discount Percent Code		0010	0010
Discount Effective Date		010195	010195

+ = Conditional Data Elements

() = Components of a Data Set Group

N - Change codes used to maintain the Discount Matrix Table are the same as those used for the Central Procurement Data Base. The Change code of N is used to add a new record to the Table.

The supplier has transmitted a new record to the Discount Matrix Table data base. The action adds the Discount Percent Code of 0.1 for Product Category Code/Customer Category Code "P01/C01". Additionally, the Discount Effective Date is used to indicate when the new Discount Percent Code applies. The Discount Effective Date enables the supplier to provide the appropriate 90 day notification of price change as generated by the Discount Percent Code.

#### 11.1.1. Supplier Transmission

```
CAM
P1DISUPD/SPL 88277/ACC 12345678/
CHG N/PCC P01/CCC C01/DPC 0010/DED 010195
```

#### 11.1.2. P1DISUPD Acknowledgement

```
CAM
P1DISUPD/SPL 88277/
CHG N/PCC P01/CCC C01
```

## 11.2. Discount Matrix Table - Update

*Table 2-6.25. Update to the Discount Matrix Table*

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
Change Code		R	
Supplier Code	88277	88277	
Product Category Code	P01	P01	P01
Customer Category Code	C01	C01	C01
Discount Percent Code	0005	0010	0010
Discount Effective Date	010194	010195	010195

+ = Conditional Data Elements

() = Components of a Data Set Group

**R** - Change codes used to maintain the Discount Matrix Table are the same as those used for the Central Procurement Data Base. The Change code of R is used to revise an existing record in the Table.

The supplier has transmitted a revised record to the Discount Matrix Table data base. The action changes the Discount Percent Code from 0.05 to 0.1 for Product Category Code/Customer Category Code "P01/C01". Additionally, the Discount Effective Date is used to indicate when the new Discount Percent Code applies.

### 11.2.1. Supplier Transmission

```
CAM
P1DISUPD/SPL 88277/ACC 12345678/
CHG R/PCC P01/CCC C01/DPC 0010/DED 010195
```

### 11.2.2. P1DISUPD Acknowledgement

```
CAM
P1DISUPD/SPL 88277/
CHG R/PCC P01/CCC C01
```



### 11.3. Discount Matrix Table - Delete

**Table 2-6.26. Delete From the Discount Matrix Table**

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
Change Code		D	
Supplier Code	88277	88277	
Product Category Code	P01	P01	
Customer Category Code	C01	C01	
Discount Percent Code	0005		
Discount Effective Date	010194		

+ = Conditional Data Elements

() = Components of a Data Set Group

**D** - Change codes used to maintain the Discount Matrix Table are the same as those used for the Central Procurement Data Base. The Change code of D is used to delete an existing record from the Table.

The supplier has transmitted a delete record to the Discount Matrix Table data base. The action removes the record for Product Category Code/Customer Category Code "P01/C01".

Note: Discount Percent Code and Discount Effective Date do not need to be transmitted with a delete.

#### 11.3.1. Supplier Transmission

CAM  
P1DISUPD/SPL 88277/ACC 12345678/  
CHG D/PCC P01/CCC C01

#### 11.3.2. P1DISUPD Acknowledgement

CAM  
P1DISUPD/SPL 88277/  
CHG D/PCC P01/CCC C01

## 11.4. Discount Matrix Table - Total Replacement

*Table 2-6.27. Total Replacement of a Discount Matrix Record*

Data Elements	Data Base Record	Supplier Transmission	Updated Data Base Record
Change Code		T	
Supplier Code	88277	88277	
Product Category Code	P01	P01	P01
Customer Category Code	C01	C01	C01
Discount Percent Code	0005	0010	0010
Discount Effective Date	010196	010896	010896

**T** - Change codes used to maintain the Discount Matrix Table are the same as those used for the Central Procurement Data Base. The Change code T is used to totally replace a record. Revising an established record on the Discount Matrix Table data base may be effected by submitting a complete replacement record, change coded T. This technique simply replaces the current record with the replacement record. If the record does not currently exist on the central file, the record will be added to the data base.

The supplier is changing the Discount Percent Code from 0.05 to 0.1 for Product Category Code/Customer Category Code "P01/C01", and has elected to totally replace the record. When the "T" Change Code is used, all mandatory data elements must be restated.

Additionally, the Discount Effective Date is used to indicate when the new Discount Percent Code applies.

### 11.4.1. Supplier Transmission

```
CAM
P1DISUPD/SPL 88277/ACC 12345678/
CHG T/PCC P01/CCC C01/DPC 0010/DED 010896
```

### 11.4.2. P1DISUPD Acknowledgement

```
CAM
P1DISUPD/SPL 88277/
CHG T/PCC P01/CCC C01
```

## 2-7. Supporting Technical Information

### 1. Command Code - P1UPDATE

P1UPDATE is the command used by suppliers to transmit on-line procurement data records to the Central Procurement Data Base via the telecommunication networks. The central agency will process the transmitted updates immediately. At the end of every month, the central agency will capture all the updates, creating files, which will then be mailed to the designated customers. The customer will receive one file on the file(s) which contains a header record, followed by Part Number data for all suppliers. For example, a customer has elected to receive procurement data from ten suppliers. If during a month only six suppliers processed changes, the customer will receive a file pertaining to the six suppliers.

The data elements contained in the data records for the customer are the same as the data elements transmitted by the supplier with the exceptions of Model of Applicability Code and replacing part history records. Model of Applicability is discussed extensively in the Procedures Division of the Central Procurement Data Base.

In the examples which follow you will see references to "control data elements". "Control data elements" refer to the Command Code, Supplier Code (SPL), Access Code (ACC), Change Code (CHG), Manufacturer Code (MFR), Part Number (PNR).

P1UPDATE change code (CHG) defines the type of updates to be made to the Procurement Data Base. "N" is used to add a new record. "R" is used to revise an existing record. "D" is used to delete an existing record. "T" is used as a total replacement to an existing record. ("A" is not used in this command. It is used in the annual price update when file are created by the supplier.)

A maximum of 10 updates (Part Number records) is the required limit within the P1UPDATE command.

Price amounts (unit price, price break prices, and other charges prices) are transmitted in P1UPDATE with decimal points. The following is an example of unit price amount, Price Break - Quantity and Amount Text, and other charges and amount:

UNP 15.00

UNP .00

PQA 2 18.00

OCH 6 20.00

## 1.1. Minimum Data Elements to Establish a Record

*Table 2-7.1. Minimum Data Elements to Establish a Record*

Data Elements	Data Base Record	Supplier Complete	Customer	Updated Data Base Record
Change Code		N	N	
Supplier Code		88277	88277	88277
Manufacturer Code		88277	88277	88277
Part Number		AAA7001-1	AAA7001-1	AAA7001-1
Keyword Name		BOLT	BOLT	BOLT
Unit Price Amount		20.00	20.00	20.00
Unit of Measure Code		EA	EA	EA
International Currency Code		USD	USD	USD
Price Effective Date		250387	250387	250387
Lead Time		10	10	10
Model of Applicability Code		MD01		MD01

The supplier is establishing a new Part Number (Change Code N) on the Central Procurement Data Base. The above example shows the minimum data elements required to establish a Part Number record. To create a new record in the Central Data Base, the supplier must send a record as change code N. This record must contain all the mandatory data elements and may contain conditional data elements if they are required by the supplier.

### 1.1.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 88277/ACC XXXXXXXX/
CHG N/MFR 88277/PNR AAA7001-1/KWD BOLT/UNP 20.00/
UNT EA/ICR USD/PED 250387/LTM 10/MOA MD01
```

### 1.1.2. Transmission to the Customer on Monthly File

```
RTC 06/TTC U/TRC AAT/TRD 250387/
RTC 07/CHG N/SPL 88277/MFR 88277/PNR AAA7001-1/KWD BOLT/UNP 2000/
UNT EA/ICR USD/PED 250387/LTM 10
```

### 1.1.3. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 88277/
CHG N/MFR 88277/PNR AAA7001-1
```

## 1.2. Revision to Change Lead Time

*Table 2-7.2. Revision to Change Lead Time*

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Change Code		R	R	
Supplier Code	88277	88277	88277	88277
Manufacturer Code	88277	88277	88277	88277
Part Number	AAA7001-1	AAA7001-1	AAA7001-1	AAA7001-1
Keyword Name	BOLT	BOLT	BOLT	BOLT
Unit Price Amount	20.00	20.00	20.00	20.00
Unit of Measure Code	EA	EA	EA	EA
International Currency Code	USD	USD	USD	USD
Price Effective Date	250387	250387	250387	250387
Lead Time	10	15	15	15
Model of Applicability Code	MD01			MD01

The supplier is changing the lead time (Change Code R) of the part from 10 to 15 days. The supplier has elected to send complete records.

### 1.2.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 88277/ACC XXXXXXXX/
CHG R/MFR 88277/PNR AAA7001-1/KWD BOLT/UNP 20.00/
UNT EA/ICR USD/PED 250387/LTM 15
```

### 1.2.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 88277/
CHG R/MFR 88277/PNR AAA7001-1
```

### 1.3. Establishing a Part Number with Unit of Measure Clarification

*Table 2-7.3. Establishing Part Number With Unit of Measure Clarification*

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Change Code		N	N	
Supplier Code		88166	88166	88166
Manufacturer Code		88077	88077	88077
Part Number		BBP9919-1	BBP9919-1	BBP9919-1
Keyword Name		WIRE	WIRE	WIRE
Unit Price Amount		20.00	20.00	20.00
Unit of Measure Code		LG	LG	LG
International Currency Code		USD	USD	USD
Price Effective Date		250387	250387	250387
Lead Time		15	15	15
Model of Applicability Code		MD01		MD01
+ Unit of Measure Clarification Text		UNC	UNC	
(Quantity)		10	10	10
(Unit of Measure Code)		FT	FT	FT

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier has transmitted a Part Number which requires additional clarification of the unit of measure code.

#### 1.3.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 88166/ACC XXXXXXXX/
CHG N/MFR 88077/PNR BBP9919-1/KWD WIRE/UNP 20.00/
UNT LG/ICR USD/PED 250387/LTM 15/MOA MD01/UNC 10 FT
```

#### 1.3.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 88166/
CHG N/MFR 88077/PNR BBP9919-1
```

## 1.4. Revision to Change Unit of Measure Clarification Text

**Table 2-7.4. Revision to Change Unit of Measure Clarification Text**

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Change Code		R	R	
Supplier Code	86659	86659	86659	86659
Manufacturer Code	86659	86659	86659	86659
Part Number	ABP9919-1	ABP9919-1	ABP9919-1	ABP9919-1
Keyword Name	WIRE		WIRE	WIRE
Unit Price Amount	317.00		317.00	317.00
Unit of Measure Code	LG		LG	LG
International Currency Code	USD		USD	USD
Price Effective Date	010486		010486	010486
Lead Time	15		15	15
Model of Applicability Code	MD01			MD01
+ Unit of Measure Clarification Text		UNC	UNC	
(Quantity)	10	15	15	15
(Unit of Measure Code)	FT	FT	FT	FT

+ = Conditional Data Elements

() = Components of a Data Set Group

The unit of measure clarification text was originally 10 Ft. The supplier has changed the clarification to 15 Ft. The supplier has elected to transmit Partial Data Elements. The customer will receive the complete record.

### 1.4.1. Supplier Transmission

CAM  
P1UPDATE/SPL 86659/ACC XXXXXXXX/  
**CHG R/MFR 86659/PNR ABP9919-1/UNC 15 FT**

### 1.4.2. P1UPDATE Acknowledgement

CAM  
P1UPDATE/SPL 86659/  
CHG R/MFR 86659/PNR ABP9919-1

## 1.5. Establishing a Record with Price Breaks

**Table 2-7.5. Establishing a Record With Price Breaks**

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Change Code		N	N	
Supplier Code		88277	88277	88277
Manufacturer Code		88277	88277	88277
Part Number		5912345-1	5912345-1	5912345-1
Keyword Name		NUT	NUT	NUT
Unit Price Amount		20.00	20.00	20.00
Unit of Measure Code		EA	EA	EA
International Currency Code		USD	USD	USD
Price Effective Date		250687	250687	250687
Lead Time		10	10	10
Model of Applicability Code		MD01		MD01
+ Price Break - Quantity and Amount Text		PQA	PQA	
(From Quantity)		2	2	2
(Unit Price Amount)		18.00	18.00	18.00
+ Price Break - Quantity and Amount Text		PQA	PQA	
(From Quantity)		6	6	6
(Unit Price Amount)		15.00	15.00	15.00

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier is establishing a Part Number with a price of 20.00 for a quantity of 1 ea. If a quantity of 2 thru 5 is purchased the price would be 18.00. For a quantity of 6 or more the price is 15.00.

### 1.5.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 88277/ACC XXXXXXXX/
CHG N/MFR 88277/PNR 5912345-1/KWD NUT/UNP 20.00/
UNT EA/ICR USD/PED 250687/LTM 10/MOA MD01/
PQA 2 18.00 /PQA 6 15.00
```

### 1.5.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 88277/
```





## 1.6. Revision to Change Price Break Quantity and Amount

**Table 2-7.6. Total Replacement of Change Price Break Quantity and Amount**

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Change Code		T	R	
Supplier Code	12277	12277	12277	12277
Manufacturer Code	84106	84106	84106	84106
Part Number	5912345-1	5912345-1	5912345-1	5912345-1
Keyword Name	NUT	NUT	NUT	NUT
Unit Price Amount	20.00	20.00	20.00	20.00
Unit of Measure Code	EA	EA	EA	EA
International Currency Code	USD	USD	USD	USD
Price Effective Date	250686	250686	250686	250686
Lead Time	10	10	10	10
Model of Applicability Code	MD01	MD01		MD01
+ Price Break - Quantity and Amount Text		PQA	PQA	
(From Quantity)	2	2	2	2
(Unit Price Amount)	18.00	18.00	18.00	18.00
+ Price Break - Quantity and Amount Text		PQA	PQA	
(From Quantity)	6	6	6	6
(Unit Price Amount)	15.00	13.00	13.00	13.00

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier changed the price break amount to 13.00 for a quantity of 6 or more. All price break quantities and amounts must be restated as this is a Data Set Group.

### 1.6.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 12277/ACC XXXXXXXX/
CHG T/MFR 84106/PNR 5912345-1/KWD NUT/UNP 20.00/
UNT EA/ICR USD/PED 250686/LTM 10/MOA MD01/PQA 2 18.00/PQA 6 13.00
```

### 1.6.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 12277/
CHG T/MFR 84106/PNR 5912345-1
```

## 1.7. Revision to Add a Replacing Source of Supply

*Table 2-7.7. Revision to Add a Replacing Source of Supply*

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Change Code		R	R	
Supplier Code	36659	36659	36659	36659
Manufacturer Code	36659	36659	36659	36659
Part Number	1624319	1624319	1624319	1624319
Keyword Name	BOLT	BOLT	BOLT	BOLT
Unit Price Amount	20.00	.00	ON QUOTE	.00
Unit of Measure Code	LG	LG	LG	LG
International Currency Code	USD	USD	USD	USD
Price Effective Date	250386	010686	010686	010686
Lead Time	15	0	0	0
Model of Applicability Code	LK01	LK01		LK01
+ Proprietary Code	3	7	7	7
+ Replacing Source of Supply Code		59789	59789	59789

+ = Conditional Data Elements

Part Number 1624319 is currently manufactured and supplied by the Lockheed California Company (SPL 36659). A licensing agreement is established whereby KAPCO (MFR 59789) will become the Replacing Source of supply. Proprietary rights are retained by the original supplier. In this condition, KAPCO would also transmit a new record to the Procurement Data Base advising price Lead Time information. The new KAPCO record is not shown in this example.

### 1.7.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 36659/ACC XXXXXXXX/
CHG R/MFR 36659/PNR 1624319/UNP .00/ICR USD/
PED 010686/LTM 0/PRP 7/RSS 59789
```

### 1.7.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 36659/
CHG R/MFR 36659/PNR 1624319
```

## 1.8. Establish a Part Number with Variable Pricing

**Table 2-7.8. Establishing a Record With Variable Pricing**

Data Elements	Data Base Record	Supplier Transmission	Customer A CCC = C01	Customer B CCC = C02	Updated Data Base Record
Change Code		N	N	N	
Supplier Code		88277	88277	88277	88277
Manufacturer Code		88277	88277	88277	88277
Part Number		8798-1	8798-1	8798-1	8798-1
Keyword Name		NUT	NUT	NUT	NUT
Unit Price Amount		1.00	1.00	1.00	1.00
Unit of Measure Code		EA	EA	EA	EA
International Currency Code		USD	USD	USD	USD
Price Effective Date		010194	010194	010194	010194
Lead Time		10	10	10	10
Model of Applicability Code		ZZ99			ZZ99
Product Category Code		P01			P01
Procurement Discount Percent			1000	0500	

Customer A has been assigned a Customer Category Code of "C01" by the Supplier 88277. The Customer Category Code for Customer B is "C02". This information is found on the associated viewing rights file. The Discount Matrix Table for Supplier 88277 reads as follows:

Customer Category Code	Product Category Code P01
C01	1000 (represents 10.00%)
C02	0500 (represents 5.00%)

Product Category Codes are assigned against the part. Customer Category Codes are assigned against the viewing rights. A Procurement Discount Percent is sent to the customer on a data record when the supplier has established a Product Category Code on a Part Number and when the supplier has established a Customer Category Code for the customer. The customer will apply the Procurement Discount Percent against the Unit Price Amount, against any Price Break Amounts, and all applicable Alternate Supply Locations. There must be an associated Discount Matrix Table.

A supplier is establishing a record with variable pricing based on prior agreements with one or more customers.

### 1.8.1. Supplier Transmission

CAM  
P1UPDATE/SPL 88277/ACC XXXXXXXX/

*ATA SPEC2000 E-Business Specification for Materiels Management*

---

CHG N/MFR 88277/PNR 8798-1/KWD NUT/UNP 1.00/UNT EA/ICR USD/  
PED 010194/LTM 10/MOA ZZ99/**PCC P01**

## **1.8.2. P1UPDATE Acknowledgement**

CAM  
P1UPDATE/SPL 88277/  
CHG N/MFR 88277/PNR 8798-1

## 1.9. Revision to Change Product Category Code

**Table 2-7.9. Revision to Change Product Category Code**

Data Elements	Data Base Record	Supplier Transmission	Customer A CCC = C01	Customer B CCC = C02	Updated Data Base Record
Change Code		R	R	R	
Supplier Code	88277	88277	88277	88277	88277
Manufacturer Code	88277	88277	88277	88277	88277
Part Number	8798-1	8798-1	8798-1	8798-1	8798-1
Keyword Name	NUT		NUT	NUT	NUT
Unit Price Amount	1.00		0.95	1.00	1.00
Unit of Measure Code	EA		EA	EA	EA
International Currency Code	USD		USD	USD	USD
Price Effective Date	010194		010194	010194	010194
Lead Time	10		10	10	10
Model of Applicability Code	ZZ99				ZZ99
+ Product Category Code	P01	P02			P02
+ Procurement Discount Percent			0800	0950	

The supplier is changing the Product Category Code (Change Code R) of the part from P01 to P02. The unit is adjusted in accordance with the corresponding Discount Matrix Table values prior to being transmitted.

Customer A has been assigned a Customer Category Code of "C01" by the Supplier 88277. The Customer Category Code for Customer B is "C02". This information is found on the associated viewing rights file. The Discount Matrix Table for Supplier 88277 reads as follows:

Customer Category Code	Product Category Code P02
C01	0800 (represents 8.00%)
C02	0950 (represents 9.50%)

Product Category Codes are assigned against the part. Customer Category Codes are assigned against the viewing rights. A Procurement Discount Percent is sent to the customer on a data record when the supplier has established a Product Category Code on a Part Number and when the supplier has established a Customer Category Code for the customer. The customer will apply the Procurement Discount Percent against the Unit Price Amount, against any Price Break Amounts, and all applicable Alternate Supply Locations. There must be an associated Discount Matrix Table.

### 1.9.1. Supplier Transmission

CAM  
P1UPDATE/SPL 88277/ACC XXXXXXXX/





## **1.9.2. P1UPDATE Acknowledgement**

CAM  
P1UPDATE/SPL 88277/  
CHG R/MFR 88277/PNR 8798-1

## 1.10. Revision from Priced Condition to on Quotation

**Table 2-7.10. Revision From Priced Condition to On Quotation**

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Change Code		R	R	
Supplier Code	88277	88277	88277	88277
Manufacturer Code	88277	88277	88277	88277
Part Number	AAA7001-1	AAA7001-1	AAA7001-1	AAA7001-1
Keyword Name	BOLT		BOLT	BOLT
Unit Price Amount	20.00	.00	ON QUOTE	.00
Unit of Measure Code	EA		EA	EA
International Currency Code	USD	USD	USD	USD
Price Effective Date	250387	280487	280487	280487
Lead Time	15	0	0	0
Model of Applicability Code	MD01			MD01
+ Product Category Code	P99			P99
+ Procurement Discount Percent			1200	

The supplier has transmitted a record to the Procurement Data Base revising the Unit Price and Lead Time to zeros for the on quotation condition. This action tells the customer to request a quotation to obtain the price of the part. The Price Effective Date is also required when changing the Unit Price Amount. The supplier elected to transmit partial data elements. The customer will receive the complete record.

### 1.10.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 88277/ACC XXXXXXXX/
CHG R/MFR 88277/PNR AAA7001-1/UNP .00/ICR USD/
PED 280487/LTM 0
```

### 1.10.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 88277/
CHG R/MFR 88277/PNR AAA7001-1
```

## 1.11. Adding Replacement Part Data-Both Parts Still Supported

**Table 2-7.11. Adding Replacement Part Data-both Parts Still Supported**

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Change Code		R	R	
Supplier Code	81205	81205	81205	81205
Manufacturer Code	81205	81205	81205	81205
Part Number	65-1	65-1	65-1	65-1
Keyword Name	PANEL		PANEL	PANEL
Unit Price Amount	10.00		10.00	10.00
Unit of Measure Code	EA		EA	EA
International Currency Code	USD		USD	USD
Price Effective Date	100287		100287	100287
Lead Time	10		10	10
Model of Applicability Code	BA01			BA01
+ Proprietary Code	3		3	3
+ Replacing Part Data Text		RPD	RPD	
(Replacing Part Number)		65-2	65-2	65-2
(Manufacturer Code)		81205	81205	81205
(Interchangeability Code)		2	2	2
(Manufacturer Authority Text)		SB12387	SB12387	SB12387

+ = Conditional Data Elements

() = Components of a Data Set Group

The supplier is adding replacement part data to a Part Number but still supplies the original Part Number.

### 1.11.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 81205/ACC XXXXXXXX/
CHG R/MFR 81205/PNR 65-1/
RPD 65-2 81205 2 SB12387
```

### 1.11.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 81205/
CHG R/MFR 81205/PNR 65-1
```

## 1.12. Deleting Replacement Part Data from an Existing Record

**Table 2-7.12. Deleting Replacement Part Data From an Existing Record**

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Data Base Record
Change Code		R	R	
Supplier Code	81205	81205	81205	81205
Manufacturer Code	81205	81205	81205	81205
Part Number	65-1	65-1	65-1	65-1
Keyword Name	PANEL		PANEL	PANEL
Unit Price Amount	10.00		10.00	10.00
Unit of Measure Code	EA		EA	EA
International Currency Code	USD		USD	USD
Price Effective Date	100287		100287	100287
Lead Time	10		10	10
Model of Applicability Code	BA01			BA01
+ Proprietary Code	3		3	3
+ Replacing Part Data Text		RPD-		
(Replacing Part Number)	65-2			
(Manufacturer Code)	81205			
(Interchangeability Code)	2			
(Manufacturer Authority Text)	SB12387			

+ = Conditional Data Elements

() = Components of a Data Set Group

When replacement part data has been established against a record and the supplier still supplies the original Part Number, to remove the Replacing Part Data Text from the original record, the TEI of RPD immediately followed by a dash (no space between RPD and dash) is transmitted.

### 1.12.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 81205/ACC XXXXXXXX/
CHG R/MFR 81205/PNR 65-1/ RPD-
```

### 1.12.2. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 81205/
CHG R/MFR 81205/PNR 65-1
```

### 1.13. Total Part Number Replacement-Only New Part Supported

**Table 2-7.13. Total Part Number Replacement-only New Part Supported**

Data Elements	Data Base Record	Supplier Transmission	Customer	Updated Part History Record
Change Code		D	D	
Supplier Code	81205	81205	81205	81205
Manufacturer Code	81205	81205	81205	81205
Part Number	65-3	65-3	65-3	65-3
Keyword Name	PANEL			
Unit Price Amount	10.00			
Unit of Measure Code	EA			
International Currency Code	USD			
Price Effective Date	100287			
Lead Time	10			
Model of Applicability Code	BA01	BA01		BA01
+ Product Category Code	P99			
+ Proprietary Code	3			
+ Replacing Part Data Text		RPD	RPD	
(Replacing Part Number)		65-4	65-4	65-4
(Manufacturer Code)		81205	81205	81205
(Interchangeability Code)		1	1	1
(Manufacturer Authority Text)		SB124-87	SB124-87	SB124-87

+ = Conditional Data Elements

() = Components of a Data Set Group

To effect a total Part Number replacement, the supplier transmits a delete record against the original Part Number and references the Replacing Part Data Text. This deletes the original Part Number and establishes a part history record on the Procurement Data Base.

#### 1.13.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 81205/ACC XXXXXXXX/
CHG D/MFR 81205/PNR 65-3/MOA BA01/
RPD 65-4 81205 1 SB124-87
```

### **1.13.2. P1UPDATE Acknowledgement**

CAM  
P1UPDATE/SPL 81205/  
CHG D/MFR 81205/PNR 65-3

## 1.14. Replacement Part Data-Two Replacement Part Numbers

**Table 2-7.14. Replacement Part Data-two Replacement Part Numbers**

Data Elements	Data Base Record	Supplier Transmission
Change Code		D
Supplier Code	81205	81205
Manufacturer Code	81205	81205
Part Number	65-8	65-8
Keyword Name	SOCKET	
Unit Price Amount	10.00	
Unit of Measure Code	EA	
International Currency Code	USD	
Price Effective Date	250687	
Lead Time	10	
Model of Applicability Code	BA01	
+ Product Category Code	P99	
+ Proprietary Code	3	
+ Replacing Part Data Text		RPD
(Replacing Part Number)		65-10
(Manufacturer Code)		81205
(Interchangeability Code)		5
(Manufacturer Authority Text)		SB123-87
+ Replacing Part Data Text		RPD
(Replacing Part Number)		65-11
(Manufacturer Code)		81205
(Interchangeability Code)		5
(Manufacturer Authority Text)		SB123-87
+ Remarks Text		ATTACHING HARDWARE REQUIRED

+ = Conditional Data Elements

() = Components of a Data Set Group

When a Part Number has been replaced by more than one Part Number, the new Part Number will be shown in RPD data

up to a maximum of five new part numbers. If additional explanation is required, there can be a maximum of 5 lines of Remarks.

### **1.14.1. Supplier Transmission**

```
CAM
P1UPDATE/SPL 81205/ACC XXXXXXXX/
CHG D/MFR 81205/PNR 65-8/MOA BA01/
RPD 65-10 81205 5 SB123-87/
RPD 65-11 81205 5 SB123-87/
REM ATTACHING HARDWARE REQUIRED
```

### **1.14.2. P1UPDATE Acknowledgement**

```
CAM
P1UPDATE/SPL 81205/
CHG D/MFR 81205/PNR 65-8
```



## 1.15. Total Part Number Replacement - Model of Applicability

**Table 2-7.15. Total Part Number Replacement**

Data Elements	Data Base Record	Supplier Transmission	Customer A BA01	Customer B BA02	Updated Part History Record
Change Code		D	D		
Supplier Code	81205	81205	81205		81205
Manufacturer Code	81205	81205	81205		81205
Part Number	65-3	65-3	65-3		65-3
Keyword Name	PANEL				
Unit Price Amount	10.00				
Unit of Measure Code	EA				
International Currency Code	USD				
Price Effective Date	100287				
Lead Time	10				
Model of Applicability Code	BA01	BA02			BA02
+ Product Category Code	P99				
+ Proprietary Code	3				
+ Replacing Part Data Text		RPD			
(Replacing Part Number)		65-4			65-4
(Manufacturer Code)		81205			81205
(Interchangeability Code)		1			1
(Manufacturer Authority Text)		SB124-87			SB124-87

+ = Conditional Data Elements

() = Components of a Data Set Group

For the above example, Customer A would receive a delete record for Part Number 65-3 since the supplier is changing the Model of Applicability Code to BA02. Customer B would not receive a record since a part history record has been established. Customer B would only receive the new record for a Part Number not shown in this example.

### 1.15.1. Supplier Transmission

```
CAM
P1UPDATE/SPL 81205/ACC XXXXXXXX/
CHG D/MFR 81205/PNR 65-3/MOA BA02/
RPD 65-4 81205 1 SB124-87
```

### 1.15.2. P1UPDATE Acknowledgement

CAM

P1UPDATE/SPL 81205/  
CHG D/MFR 81205/PNR 65-3

### 1.15.3. Establishing Two New Records on the File

```
CAM
P1UPDATE/SPL 88277/ACC XXXXXXXX/
CHG N/MFR 88277/PNR AAA7001/KWD PIN/UNP 20.00/
ICR USD/PED 300386/LTM 10/MOA MD01/PRP 3
CHG N/MFR 88277/PNR ABA7001-1/KWD BOLT/UNP 30.00/
ICR USD/PED 300386/LTM 10/MOA MD01/PRP 3
```

The supplier is transmitting two new records to the central procurement file. Maximum of the ten Part Number may be transmitted in one P1UPDATE message.

### 1.15.4. P1UPDATE Acknowledgement

```
CAM
P1UPDATE/SPL 88277/
CHG N/MFR 88277/PNR AAA7001
CHG N/MFR 88277/PNR ABA7001-1
```

If both records passed the central procurement file edits, a Part Number line for each item that was accepted will be transmitted from the central agency to the supplier. If a record is rejected, then the appropriate S1REJECT message will then be transmitted to the supplier (Refer to [\[Appendix 4\]](#) for rejection procedures).

## 2. Record Layout Edit Errors

Following are the edits performed by the Central Agency for each field of the Procurement Data Record and Discount Matrix Table Record. When an advisory message is indicated, it will appear as a remarks line on the P1UPDATE Acknowledgement message.

**Table 2-7.16.P1UPDATE Record Layout**

Data Field	Edit	Error Message	Central Agency Action
Command Code	Must be 'P1UPDATE'	Invalid Command Code	Reject record and search message for next P1UPDATE command or end of message.
Supplier Code	Must be 5 position alphanumeric and on security table.	Invalid SPL or if not on security table, Unauthorized User.	Reject record and search for next P1UPDATE command or end of message.
Access Code	Must be 8 position alphanumeric and on viewing matrix.	Invalid ACC	Reject record and search for next P1UPDATE command or end of message.
Change Code	Must be D, N, R or T	Invalid Change Code	Reject record
Manufacturer Code	Must be 5 position alphanumeric	Invalid MFR	Reject record
Part Number	Field length and COBOL picture verified. Edit and reformat per <a href="#">[ATA CSDD]</a>	Invalid PNR or if reformatted, Part Number Reformatted	Advisory Message
Keyword Name	8 alpha characters (max) embedded blanks are not acceptable and will be closed. If TEI is present but not conforming, the program will default to literal "Keyword".	Invalid Keyword Name	Advisory Message
Unit Price Amount	12 numeric (max)	Invalid UNP	Reject record
Unit of Measure Code	2 alpha. If not on table of acceptable unit of measure program will default to EA	Invalid Unit of Measure	Advisory Message
International Currency Code	3 alpha in accordance with <a href="#">[ATA CSDD]</a>	Invalid ICR	Reject record
Price Effective Date	Must be valid Date (DDMMYY)*	Invalid PED	Reject record
Lead Time	3 numeric (max)	Invalid LTM	Reject record

**\* A PED must be quoted within a time frame of Date-of-Receipt minus 300 days and Date-of-Receipt plus 180 days.**

Table 2-7.17.P1UPDATE Record Layout

Data Field	Edit	Error Message	Central Agency Action
Model of Applicability Code	4 alphanumeric in accordance with MOA access table	Invalid MOA or if more than 99 consecutive entries, Repeating MOA Exceeded	Reject TEI
Product Category Code	3 alphanumeric	Invalid PCC	Reject TEI
Proprietary Code	1 alphanumeric in accordance with the [ATA CSDD]	Invalid PRP	Reject TEI
Aircraft System Code	2 numeric as per [ATA CSDD]	Invalid ACS	Reject TEI
Procurement Discount Percent	4 numeric (max)	Invalid PDP	Reject TEI
Standard Package Quantity	3 numeric (max) value must be > 1	Invalid SPQ	Reject TEI
Packaging Code	1 numeric must be 5, 6 or 7	Invalid PKG	Reject TEI
Overlength Part Number	32 alphanumeric edited and reformatted per [ATA CSDD] except field length.	Invalid OPN	Reject TEI
Minimum Sales Quantity	5 numeric (max) value must be greater than 1	Invalid MSQ	Reject TEI
Hazardous Material Code	6 alphanumeric	Invalid HAZ	Reject TEI
International Commodity Code	6 numeric	Invalid ICC	Reject TEI
Category I Container Price Amount	2 numeric (min) & 12 numeric (max)	Invalid CAT	Reject TEI
Price Held Firm - Date	Must be a valid date (DDMMYY). Must be later than PED.	Invalid PFD	Reject TEI
Other Charges - Code and Amount	15 alphanumeric (max)	Invalid OCH	Reject TEI
Unit of Measure Clarification Text	Field length and COBOL picture verified	Invalid UNC	Reject TEI
Replacing Source of Supply Code	5 alphanumeric (max)	Invalid RSS or if more than 5 consecutive entries, Repeating RSS Exceeded	Reject TEI
Price Break - Quantity and Amount Text	Field length, COBOL picture verified, and valid use of the data set	Invalid PQA or if more than 5 consecutive entries, Repeating PQA Exceeded	Reject TEI

<b>Data Field</b>	<b>Edit</b>	<b>Error Message</b>	<b>Central Agency Action</b>
Alternate Supply Location Text	Field length, COBOL picture verified, and valid use of the data set	Invalid ASL or if more than 10 consecutive entries, Repeating ASL Exceeded	Reject TEI
Original Equipment Manufacturer Data Text	Field length, COBOL picture verified, and valid use of the data set	Invalid OMD or if more than 10 consecutive entries, Repeating OMD Exceeded	Reject Record

**Table 2-7.18.P1UPDATE Record Layout**

<b>Data Field</b>	<b>Edit</b>	<b>Error Message</b>	<b>Central Agency Action</b>
Replacing Part Data Text	Field length, COBOL picture verified, and valid use of the data set.	Invalid RPD	Reject TEI
Remarks Text	Field length and COBOL picture verified. Can only be used with Replacing Part Data Text.	Invalid REM or if more than 5 consecutive entries, Repeating REM Exceeded	Reject TEI

**Table 2-7.19.P1DISUPD Record Layout**

<b>Data Field</b>	<b>Edit</b>	<b>Error Message</b>	<b>Central Agency Action</b>
Command Code	Must be "P1DISUPD"	Invalid Command Code	Reject record and search message for next P1DISUPD command or end of message.
Supplier Code	Must be 5 position alphanumeric and on security table.	Invalid SPL or if not on security table, Unauthorized User.	Reject record and search for next P1DISUPD command or end of message.
Access Code	Must be 8 position alphanumeric and on security table.	Invalid ACC	Reject record and search for next P1DISUPD command or end of message.
Change Code	Must be D, N, R, or T	Invalid Change Code	Reject record
Product Category Code	Must be 3 position alphanumeric	Invalid PCC	Reject record
Customer Category Code	Must be 3 position alphanumeric. First position must be "C"	Invalid CCC	Reject record
Discount Percent Code	Must be 4 position alphanumeric	Invalid DPC	Reject record
Discount Effective Date	Must be a valid date (DDMMYY)*	Invalid DED	Reject record

When using the variable pricing functionality, Customer Category Code (CCC) must be indicated in the viewing rights profile and Product Category Code (PCC) against the part records, as applicable, in addition to completing the Discount Matrix Table. A DED must be quoted within a time frame of Date-of-Receipt minus 300 days and Date-of-Receipt plus 180 days.



\*In certain situations, the DED will be moved to the PED field. In such cases, the DED must conform to all rules associated with the PED field.

Table 2-7.20.P1UPDATE Relational Edits

Data Field	Edit	Error Message	Central Agency Action
Relational	Each PDR update must contain the following TEIs in the order shown: Command Code-SP L-ACC CHG-MFR-PNR	Missing Mandatory TEI	Record Rejected
Relational	If UNP sent, PED and ICR must be submitted	Missing PED-ICR With UNP	Record Rejected
Relational	If UNT sent, PED must be submitted	Missing UNP-PED With UNT	Record Rejected
Relational	If ICR sent, UNP and PED must be submitted	Missing UNP-PED With ICR	Record Rejected
Relational	If UNP is On Quote, PQA Does Not Apply	Invalid PQA With UNP on quote	Record Rejected
Relational	REM Only Used When RPD Present	Invalid REM. RPD Not Present.	Record Rejected.
Relational	CHG=N, all mandatory TEIs must be submitted	Missing Mandatory TEI.	Record Rejected
Relational	CHG=R, CHG, SPL, MFR, PNR or OPN must be sent	Missing Mandatory TEI. If applied against non existant record, Record Not Present.	Record Rejected
Relational	CHG=T, all mandatory TEIs must be submitted	Missing Mandatory TEI	Record Rejected
Relational	CHG=D, CHG, SPL, MFR, PNR must be present	Missing Mandatory TEI.	Record Rejected
Relational	Only TEIs of MOA, REM, RSS, ASL, PQA, OMD and RPD can have multiple occurrences	Invalid Repeating TEI	Record Rejected
Relational	Multiple occurring TEIs must be listed consecutively	Repeating TEIs Not Listed Consecutively.	Record Rejected
Relational	When deleting a TEI, must be followed by dash (no embedded space)	Invalid TEI	Record Rejected

Data Field	Edit	Error Message	Central Agency Action
Relational	RPD Supplier must be either: (1) the database Participant listing the part, (2) a database Participant within the same company as the Participant listing the part, or (3) not a database Participant (but authorized to access the database).	Invalid RPD Provider	Record Rejected
Relational	Part History Records can only use Change Code N, R or D	Invalid CHG against Part Number history record	Record Rejected
Relational	Part History additions must include CHG, SPL, MFR, PNR, MOA, and RPD	Missing Required TEI	Record Rejected
Relational	PRP, SPL, MFR relationship must be in accordance with the <a href="#">[ATA CSDD]</a>	Invalid PRP	TEI Rejected

## **2-8. On-Line Inquiry - Procurement Data Base**

### **1. Command Code - P1PDINQY**

#### **1.1. Purpose**

Through the industry's communications networks, participants may make inquiries to the Central Procurement Data Base. The system will perform the required security checks before responses are returned to ensure viewing rights to data are enforced. Hence, any responses to on-line inquiries are always based on the inquirer's viewing rights and fleet configuration. This process also allows access to the Airline Inventory Redistribution System (AIRS) permitting "one stop shopping" for parts in both the Central Procurement and AIRS data bases. Information on the procedures for access to the AIRS data base can be found in [\[Chapter 2\]](#) (Procurement Planning) of the SPEC2000 Main Document. Following are the message formats for inquiries to the Central Procurement data base and their responses.

#### **1.2. Note**

There are five types of responses that can be received as the result of a P1PDINQY inquiry: Abbreviated, Abbreviated Dual Price Record, Complete, Complete Dual Price Record and AIRS as described below. Each response message will not exceed 30 lines. In the event of a continuation message, the Command Code, Inquirer Identification Code, Data Selection Code and Part Number will appear on the first line of a new message after the CAM line. Of the five possible responses, four are procurement data related and the other is the AIRS response. Data will be requested from the Procurement and/or AIRS data base as specified by the Data Selection Code (DSC) input:

- If the DSC is not input, only the Procurement Data Base will be queried for the Part Number.
- If the DSC is input as "A", only the AIRS Data Base will be queried for the Part Number.
- If the DSC is input as "B", both the Procurement and AIRS data bases will be queried for the Part Number.

When requesting information by Overlength Part Number, one of the abbreviated responses will be received depending on the data which is resident in the procurement file. However, for each Part Number encountered, a separate P1PDINQY command will be transmitted. Also, when the Data Selection Code is "B" (both procurement and AIRS) and information exists in both data bases, the procurement data will be transmitted first, followed by the AIRS data.

#### **1.3. Abbreviated Response**

If the Part Number is listed by more than one supplier, the abbreviated response will be received. This response gives minimum data elements. To receive the complete response, a second inquiry specifying the Manufacturer Code and/or the Supplier Code is required.

#### **1.4. Abbreviated Dual Price Record Response**

For those suppliers who apply annual price updates or use the Discount Matrix Table, two records can be resident for the same Part Number for a period of time. The current record and a future record will coexist on the Procurement Data Base until the Price Effective Date of the future record. At that time the current record will be deleted and only one record will remain on the data base. Again, if the Part Number is listed by more than one supplier, an abbreviated response will be received.

## 1.5. Complete Response

If only one supplier lists a Part Number or if the inquiry input command specifies a manufacturer and/or a Supplier Code, the full response will be received. The complete response gives all data elements listed for a Part Number.

## 1.6. Complete Dual Price Record Response

For those suppliers who apply annual price updates or use the Discount Matrix Table, two records can be resident on the data base—a current and a future record. The dual price record will be received when a dual record condition exists and only one supplier lists the Part Number.

## 1.7. AIRS Response

If the Data Selection Code is “A”(AIRS) or “B” (both Procurement and AIRS) this type of response will be received when the requested Part Number is recorded in the AIRS data base. If the Data Selection Code input was “B” (both) the response may include both AIRS and Procurement data responses.

## 2. Input Contents and Sequence

1. Command Code (/)
2. Inquirer Identification Code (IIC) (/)
3. Part Number (PNR) (/)

There can only be one Part Number in the inquiry. This can be PNR or, if the Part Number is overlength, will be OPN.

4. + Overlength Part Number (OPN) (/)  
Can only be used if PNR is not.
5. + Manufacturer Code (MFR) (/)
6. + Supplier Code (SPL) (/)
7. + Data Selection Code(DSC)

If not entered, the inquiry is assumed to be addressed to the central procurement data base for procurement data. If “A” is entered, the AIRS data base will be queried. If “B” is entered, BOTH the central procurement and AIRS data bases will be queried for information on the Part Number input.

+ Indicates conditional data elements
---------------------------------------

## 3. Output Contents and Sequence

### 3.1. Abbreviated Response

1. Command Code (/)
2. Inquirer Identification Code (IIC) (/)
3. + Overlength Part Number (OPN) (/)

4. Part Number (PNR) (/)

The Part Number which is stored in the Central Procurement Data Base.

5. + Remarks Text (REM)

Remarks will only be used to indicate the Part Number is not on the Central Procurement Data Base and will always begin on a new line.

---End of Line---

6. Manufacturer Code (MFR) (/)

7. Supplier Code (SPL) (/)

8. Keyword Name (KWD) (/)

9. Unit Price Amount (UNP) (/)

If the Part Number does not have a price, the Unit Price field will contain ON QUOTE.

10. Unit of Measure Code (UNT) (/)

11. International Currency Code (ICR) (/)

12. Price Effective Date (PED) (/)

13. Lead Time (LTM) (/)

---End of Line---

14. + Proprietary Code (PRP) (/)

15. + Supplier Claimed Status Code (SCS) (/)

16. + Price Held Firm - Date (PFD) (/)

17. + Price Break - Quantity and Amount Text (PQA) (/)

PQA is a Data Set Group and can be repeated a maximum of ten times.

18. + Procurement Discount Percent (PDP) (/)

19. + Original Equipment Manufacturer Data Text (OMD) (/)

OMD is a Data Set Group and can be repeated a maximum of ten times.

20. ^Company Name (WHO) (/)

21. ^Telephone Number (TEL) (/)

22. ^Facsimile Transmission Telephone Number (FAX) (/)

23. ^Communication Address Text (COM)

+ Indicates conditional data elements

^ Indicates conditional data elements designated by the participant to be received

### 3.2. Abbreviated Dual Price Record Response

1. Command Code (/)
2. Inquirer Identification Code (IIC) (/)
3. + Overlength Part Number (OPN) (/)
4. Part Number (PNR) (/)

The Part Number which is stored in the Central Procurement Data Base.

5. + Remarks Text (REM)

Remarks will only be used to indicated the Part Number is not in the Central Procurement Data Base and will always begin on a new line.

---End of Line---

6. Manufacturer Code (MFR) (/)
7. Supplier Code (SPL) (/)

---End of Line---

8. Status Indicator (STA) (/)

This field will always contain the word CURRENT when used in this position.

9. Keyword Name (KWD) (/)
10. Unit Price Amount (UNP) (/)

If the Part Number does not have a price, the price field will contain ON QUOTE.

11. Unit of Measure Code (UNT) (/)
12. International Currency Code (ICR) (/)
13. Price Effective Date (PED) (/)
14. Lead Time (LTM) (/)

---End of Line---

15. + Proprietary Code (PRP) (/)
16. + Supplier Claimed Status Code (SCS) (/)
17. + Price Break - Quantity and Amount Text (PQA) (/)

PQA is a Data Set Group and can be repeated a maximum of ten times.

18. + Procurement Discount Percent (PDP) (/)
19. + Original Equipment Manufacturer Data Text (OMD) (/)

OMD is a Data Set Group and can be repeated a maximum of ten times.

Items 8 thru 19 are the data elements which apply to the current record.

---End of Line---

20. Status Indicator (STA) (/)

This field will always contain the word FUTURE when used in this position.

21. Keyword Name (KWD) (/)

22. Unit Price Amount (UNP) (/)

If the Part Number does not have a price, the price field will contain ON QUOTE.

23. Unit of Measure Code (UNT) (/)

24. International Currency Code (ICR) (/)

25. Price Effective Date (PED) (/)

26. Lead Time (LTM) (/)

---End of Line---

27. + Proprietary Code (PRP) (/)

28. + Supplier Claimed Status Code (SCS) (/)

29. + Price Held Firm - Date (PFD) (/)

30. + Price Break - Quantity and Amount Text (PQA) (/)

PQA is a Data Set Group and can be repeated a maximum of ten times.

31. + Procurement Discount Percent (PDP) (/)

32. + Original Equipment Manufacturer Data Text (OMD) (/)

OMD is a Data Set Group and can be repeated a maximum of ten times.

Items 19 thru 32 are the data elements which apply to the future record.

33. ^Company Name (WHO) (/)

34. ^Telephone Number (TEL) (/)

35. ^Facsimile Transmission Telephone Number (FAX) (/)

36. ^Communication Address Text (COM)

+ Indicates conditional data elements

^ Indicates conditional data elements designated by the participant to be received

### 3.3. Complete Response

1. Command Code (/)

2. Inquirer Identification Code (IIC) (/)

3. + Overlength Part Number (OPN) (/)

4. Part Number (PNR) (/)

---End of Line---



5. Manufacturer Code (MFR) (/)
6. Supplier Code (SPL) (/)
7. Keyword Name (KWD) (/)
8. Model of Applicability Code (MOA) (/)

---End of Line---

9. Unit Price Amount (UNP) (/)

If the Part Number does not have a price, the price field will contain ON QUOTE.

10. Unit Of Measure Code (UNT) (/)
11. International Currency Code (ICR) (/)
12. Price Effective Date (PED) (/)
13. Lead Time (LTM) (/)

---End of Line---

14. + Proprietary Code (PRP) (/)
15. + Aircraft System Code (ACS) (/)
16. + Procurement Discount Percent (PDP) (/)
17. + Standard Package Quantity (SPQ) (/)
18. + Packaging Code (PKG) (/)
19. + Overlength Part Number (OPN) (/)
20. + Minimum Sales Quantity (MSQ) (/)
21. + Hazardous Material Code (HAZ) (/)
22. + International Commodity Code (ICC) (/)
23. + Category I Container Price Amount (CAT) (/)
24. + Supplier Claimed Status Code (SCS) (/)
25. + Price Held Firm - Date (PFD) (/)
26. + Other Charges - Code and Amount (OCH) (/)  
OCH is a Data Set Group and is used only once.
27. + Unit of Measure Clarification Text (UNC) (/)
28. + Replacing Source of Supply Code (RSS) (/)  
RSS can be repeated a maximum of five times.
29. + Price Break - Quantity and Amount Text (PQA) (/)

PQA is a Data Set Group and can be repeated a maximum of ten times.

30. + Alternate Supply Location Text (ASL) (/)

ASL is a Data Set Group and can be repeated a maximum of ten times.

31. + Original Equipment Manufacturer Data Text (OMD) (/)

OMD is a Data Set Group and can be repeated a maximum of ten times.

31. + Replacing Part Data Text (RPD) (/)

RPD is a Data Set Group, and can be repeated a maximum of five times, and each RPD must begin on a new line.

32. + Remarks Text (REM) (/)

REM is repeated a maximum of five times. REMs always begin on a new line.

33. ▲ Company Name (WHO) (/)

34. ▲ Telephone Number (TEL) (/)

35. ▲ Facsimile Transmission Telephone Number (FAX) (/)

36. ▲ Communication Address Text (COM)

+ Indicates conditional data elements

▲ Indicates conditional data elements designated by the participant to be received

### 3.4. Complete Dual Price Record Response

1. Command Code (/)

2. Inquirer Identification Code (IIC) (/)

3. + Overlength Part Number (OPN) (/)

4. Part Number (PNR) (/)

---End of Line---

5. Manufacturer Code (/MFR) (/)

6. Supplier Code (SPL) (/)

---End of Line---

7. Status Indicator (STA) (/)

This field will always contain the word CURRENT when used in this position

8. Keyword Name (KWD) (/)

9. Model of Applicability Code (MOA) (/)

10. Unit Price Amount (UNP) (/)

If the Part Number does not have a price, the price field will contain ON QUOTE.

11. Unit of Measure Code (UNT) (/)

12. International Currency Code (ICR) (/)

13. Price Effective Date (PED) (/)

14. Lead Time (LTM) (/)

---End of Line---

15. + Proprietary Code (PRP) (/)

16. + Aircraft System Code (ACS) (/)

17. + Procurement Discount Percent (PDP) (/)

18. + Standard Package Quantity (SPQ) (/)

19. + Packaging Code (PKG) (/)

20. + Overlength Part Number (OPN) (/)

21. + Minimum Sales Quantity (MSQ) (/)

22. + Hazardous Material Code (HAZ) (/)

23. + International Commodity Code (ICC) (/)

24. + Category I Container Price Amount (CAT) (/)

25. + Supplier Claimed Status Code (SCS) (/)

26. + Other Charges - Code and Amount (OCH) (/)

OCH is a Data Set Group and is used only once.

27. + Unit of Measure Clarification Text (UNC) (/)

28. + Replacing Source of Supply Code (RSS) (/)

RSS can be repeated a maximum of five times.

29. + Price Break - Quantity and Amount Text (PQA) (/)

PQA is a Data Set Group and can be repeated a maximum of ten times.

30. + Alternate Supply Location Text (ASL) (/)

ASL is a Data Set Group and can be repeated a maximum of ten times.

31. + Original Equipment Manufacturer Data Text (OMD) (/)

OMD is a Data Set Group and can be repeated a maximum of ten times.

32. + Replacing Part Data Text (RPD) (/)

RPD is a Data Set Group and can be repeated a maximum of five times, and each RPD must begin on a new line.

33. + Remarks Text (REM)

REM can be repeated a maximum of five times. REMs always begin on a new line.

Items 8 thru 33 are the data elements which apply to the current record.

---End of Line---

34. Status Indicator (STA) (/)

This field will always contain the word FUTURE when used in this position.

35. Keyword Name (KWD) (/)

36. Model of Applicability Code (MOA) (/)

37. Unit Price Amount (UNP) (/)

If the Part Number does not have a price, the price field will contain ON QUOTE.

38. Unit of Measure Code (UNT) (/)

39. International Currency Code (ICR) (/)

40. Price Effective Date (PED) (/)

41. Lead Time (LTM) (/)

---End of Line---

42. + Proprietary Code (PRP) (/)

43. + Aircraft System Code (ACS) (/)

44. + Procurement Discount Percent (PDP) (/)

45. + Standard Package Quantity (SPQ) (/)

46. + Packaging Code (PKG) (/)

47. + Overlength Part Number (OPN) (/)

48. + Minimum Sales Quantity (MSQ) (/)

49. + Hazardous Material Code (HAZ) (/)

50. + International Commodity Code (ICC) (/)

51. + Category I Container Price Amount (CAT) (/)

52. + Supplier Claimed Status Code (SCS) (/)

53. + Price Held Firm - Date (PFD) (/)

54. + Other Charges - Code and Amount (OCH) (/)

OCH is a Data Set Group and is used only once.

55. + Unit of Measure Clarification Text (UNC) (/)

56. + Replacing Source of Supply Code (RSS) (/)

RSS can be repeated a maximum of five times.

57. + Price Break - Quantity and Amount Text (PQA) (/)

PQA is a Data Set Group and can be repeated a maximum often times.

58. + Alternate Supply Location Text (ASL) (/)

ASL is a Data Set Group and can be repeated a maximum of ten times.

59. + Original Equipment Manufacturer Data Text (OMD) (/)

OMD is a Data Set Group and can be repeated a maximum of ten times.

60. + Replacing Part Data Text (RPD) (/)

RPD is a Data Set Group and can be repeated a maximum of five times, and each RPD must begin on a new line.

61. + Remarks Text (REM) (/)

REM can be repeated a maximum of five times. REMS always begin on a new line.

Items 34 thru 61 are the data elements which apply to the future record.

62. ^ Company Name (WHO) (/)

63. ^ Telephone Number (TEL) (/)

64. ^ Facsimile Transmission Telephone Number (FAX) (/)

65. ^ Communication Address Text (COM)

+ Indicates conditional data elements

^ Indicates conditional data elements designated by the participant to be received

### 3.5. AIRS Response

1. Command Code(/)

2. Data Selection Code (DSC)(/)

Transmitted with a value of "A" to identify AIRS as the source.

3. Inquirer Identification Code (IIC)(/)

4. Part Number (PNR)(/)

5. Keyword Name (KWD)(/)

6. Unit of Measure Code (UNT)(/)

7. Available Stock Quantity (ASQ)(/)

8. Owner Code (ONR)(/)

9. Condition Code (CND)(/)

---End of Line---

10. + Unit Price Amount (UNP)(/)

11. + International Currency Code (ICR)(/)

Mandatory if a Unit Price Amount is provided.

Note:	In P1PDINQY AIRS responses, the Central Agency will convert the Currency Code (CUR) value as stored in the AIRS database to the corresponding International Currency Code (ICR) value for the response.
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12. + Location Code (LOC)(/)

13. + Manufacturer Code (MFR)(/)

14. + Airline Stock Number (ASN)(/)

15. + Price Break - Quantity and Amount Text (PQA)(/)

PQA is a Data Set Group which occurs once. It will not be transmitted if no data exists in the Surplus Database.

---End of Line---

16. + Part Serial Number (SER) (/)

Can be repeated a maximum of 5 times.

17. + Unique Component Identification Number (UCN) (/)

Can be repeated a maximum of 5 times.

18. + Company Name (WHO)(/)

19. + Telephone Number (TEL)(/)

20. + Facsimile Transmission Telephone Number (FAX)(/)

21. + Communication Address Text (COM)(/)

---End of Line---

22. + Remarks Text (REM)

REM can be repeated a maximum of five times. REMs always begin on a new line.

+ Indicates conditional data elements
---------------------------------------

## 2-9. Supporting Technical Information

### 1. Command Code - P1PDINQY

#### 1.1. Input and Output Examples

##### 1.1.1. Procurement Data Request - All Suppliers

```
CAM
P1PDINQY/IIC ACN05/PNR MS122078
```

The customer is requesting price and Lead Time information for Part Number MS122078. Since a specific manufacturer or supplier was not included on the request, the response will contain all manufacturers and suppliers who have listed the part for sale.

##### 1.1.2. P1PDINQY Abbreviated Response

```
CAM
P1PDINQY/IIC ACN05/PNR MS122078/
MFR 96906/SPL 81111/KWD NUT/UNP 3.00/UNT EA/ICR USD/PED 300797/LTM 10
MFR 96906/SPL 82785/KWD NUT/UNP 2.00/UNT EA/ICR CHF/PED 100687/LTM 15
```

When more than one supplier lists the same Part Number, an abbreviated response will be received by the inquirer. To receive all the data elements associated with a particular supplier, a second inquiry must be initiated including the manufacturer and/or Supplier Code.

```
CAM
P1PDINQY/IIC TWA/PNR MS122079
```

The customer is requesting price and Lead Time information for Part Number MS122079. Since a specific supplier or manufacturer was not included on the request, the response will contain all manufacturers and suppliers who have listed the part for sale.

##### 1.1.3. P1PDINQY Abbreviated Response

```
CAM
P1PDINQY/IIC TWA/PNR MS122079/
MFR 92906/SPL 22618/KWD PIN/UNP 9.00/UNT EA/ICR USD/PED 200587/LTM 15
MFR 92906/SPL 88618/KWD PIN/UNP 9.00/UNT EA/ICR USD/PED 280487/LTM 10/
PQA 5 8.00/PQA 10 7.00/PDP 0100
```

When more than one supplier lists a Part Number, an abbreviated response will be received. The above example shows two suppliers listing the same part but the second supplier is offering price breaks for additional quantity buys. Additionally, the supplier is using the variable pricing feature and has offered a 1% discount to the customer. Again, to receive the full response, a second inquiry must be made.

##### 1.1.4. Procurement Data Request - Specific Manufacturer Code

```
CAM
P1PDINQY/IIC AZC/PNR 7522/MFR 41235
```

The customer is requesting price and Lead Time information for a Part Number and has specified a Manufacturer Code.

##### 1.1.5. P1PDINQY Abbreviated Response

```
CAM
P1PDINQY/IIC AZC/PNR 7522/
MFR 41235/SPL 79265/KWD NUT/UNP 8.00/UNT EA/ICR USD/PED 300787/LTM 20
MFR 41235/SPL 49816/KWD PIN/UNP 2.00/UNT EA/ICR USD/PED 280187/LTM 10
```

The response has indicated two suppliers have listed the Part Number. Supplier 79265's Part Number is a nut priced at 8.00. The other supplier's Part Number is a pin for 2.00. To receive a full response, an inquiry would be made including both the manufacturer and Supplier Code for the record in question.

### 1.1.6. Procurement Data Request - Part Number

CAM  
P1PDINQY/IIC AAT/PNR 3312

The customer is requesting price and Lead Time information for a Part Number without referencing a manufacturer or supplier.

### 1.1.7. P1PDINQY Abbreviated Response - Dual Price Record

CAM  
P1PDINQY/IIC AAT/PNR 3312/  
MFR 22618/SPL 92906/  
STA CURRENT/KWD NUT/UNP 6.00/UNT EA/ICR USD/PED 210987/LTM 20/  
STA FUTURE/KWD NUT/UNP 7.00/UNT EA/ICR USD/PED 010388/LTM 20/  
PDP 0800/MFR 22618/SPL 82122/KWD NUT/UNP 8.00/ICR USD/PED 011087/LTM 30

The response has indicated two suppliers have listed the Part Number. Supplier 92906 shows the part is currently priced at 6.00 but on March 1, 1988, the new price of the part will be 7.00. To receive a complete response, an inquiry would be made including both the manufacturer and Supplier Code for the record in question.

### 1.1.8. Procurement Data Request - Specific Manufacturer and Supplier

CAM  
P1PDINQY/IIC JLA/PNR 7522/MFR 41235/SPL 49816

The customer is requesting price and Lead Time information against a specific manufacturer (41235) and supplier (49816).

### 1.1.9. P1PDINQY Complete Response

CAM  
P1PDINQY/IIC JLA/PNR 7522/  
MFR 41235/SPL 49816/KWD PIN/MOA ZZ99/  
UNP 2.00/UNT EA/ICR USD/PED 280687/LTM 30/  
PRP 5/MSQ 10

The response is showing all the data elements associated with the Part Number for the specified manufacturer and supplier. A conditional data element of Minimum Sales Quantity (MSQ) is also a part of this record.

### 1.1.10. Procurement Data Request - Specific Supplier

CAM  
P1PDINQY/IIC SRA/PNR 4498-46-21/SPL 21621

The customer is requesting price and Lead Time information for a specific supplier.

### 1.1.11. P1PDINQY Response - Complete Response Dual Price Record

CAM  
P1PDINQY/IIC SRA/PNR 4498-46-21/  
MFR 21621/SPL 21621/  
STA **CURRENT**/KWD RING/MOA ZZ99/  
UNP 45.00/UNT EA/ICR USD/PED 020686/LTM 30/  
PRP 3/PKG 1/ACS 11/PDP 5.00  
STA **FUTURE**/KWD RING/MOA ZZ99/  
UNP 48.00/UNT EA/ICR USD/PED 010986/LTM 30/  
PRP 3/PKG 1/PDP 10.00

If a supplier does an annual price update, two records will remain on the central file. The current record (STA CURRENT)



with its associated data elements and the future record (STA FUTURE) with its associated elements.

Both records will be resident on the central data base until the Price Effective Date of the future record is reached. At that time, the current record will be deleted and the future record will become the only record on the file. In essence, on the Price Effective Date the future record becomes the current record and the existing current record is deleted from the file. The STA TEI will only be shown when a record exists with a current and future record.

Note:	The supplier is using the variable pricing feature where the customer receives a 5% discount off unit price for the current period and a 10% discount off the future price. In order to accomplish this, both the Discount Effective Date and the Price Effective Date for the future record are the same. This is the recommended procedure.
-------	---

### 1.1.12. Procurement Data Request - Overlength Part Number

```
CAM
P1PDINQY/IIC IBA/OPN 4482A641-62BC611
```

The customer is requesting price and Lead Time information for a Part Number which is greater than 15 positions.

### 1.1.13. P1PDINQY - Abbreviated Response Overlength Part Number

```
CAM
P1PDINQY/IIC IBA/OPN 4482A641-62BC611/PNR APF216381/
MFR 21621/SPL 21621/KWD CAMERA/
UNP 255.00/UNT EA/ICR USD/PED 010186/LTM 90/
PRP 3
1PDINQY/IIC IBA/OPN 4482A641-62BC611/PNR AEE49337/
MFR 75411/SPL 79216/KWD PIN/
UNP 44.00/UNT EA/ICR USD/PED 200486/LTM 60
```

While it is the intent of this specification that Part Number do not exceed fifteen positions, there are times when this occurs. To receive all data elements associated with the Overlength Part Number, a second inquiry must be made. In this example, another inquiry would be made for Part Number APF216381 (the Part Number stored on the procurement data base).

### 1.1.14. Procurement Data Request - On Quote Condition

```
CAM
P1PDINQY/IIC JLA/PNR 7342BAC47
```

The customer is requesting price and Lead Time information for Part Number 7342BAC47.

### 1.1.15. P1PDINQY - Complete Response Request Quotation Item

```
CAM
P1PDINQY/IIC JLA/PNR 7342BAC47/
MFR 88027/SPL 43662/KWD DRIVER/MOA ZZ99/
UNP ON QUOTE/UNT EA/ICR USD/PED 280487/LTM 30/
PRP 7
```

If a supplier has listed a Part Number but not the price, the Unit Price Amount field of the P1PDINQY response will contain ON QUOTE.

### 1.1.16. Procurement Data Request - From a Supplier

```
CAM
P1PDINQY/IIC 88277/PNR 592542-1
```

A supplier is requesting price and Lead Time information for a Part Number.

### 1.1.17. P1PDINQY - Complete Response

```
CAM
P1PDINQY/IIC 88277/PNR 592542-1/
MFR 88277/SPL 88277/KWD BOLT/MOA MD01/MOA MD02/MOA MD03/MOA RB211/
UNP 20.00/UNT EA/ICR USD/PED 300487/LTM 10/
PRP 3/PCC P01
```

A supplier may inquire against their own data or another supplier's data where previous viewing rights have been established.

Note: The Product Category Code is indicated since the supplier has inquired.

### 1.1.18. Procurement Data Request - Part Number Not On File

```
CAM
P1PDINQY/IIC TWA05/PNR 1512-3
```

The customer is requesting price and Lead Time information for a Part Number.

### 1.1.19. P1PDINQY Response

```
CAM
P1PDINQY/IIC TWA05/PNR 1512-3/
REM PART NOT LISTED
```

If a request is made for a Part Number which is not listed on the procurement data base, a remarks line will be shown indicating the Part Number is not on file.

### 1.1.20. Procurement Data Request - Part History Record

```
CAM
P1PDINQY/IIC ACN05/PNR 4621-42/MFR 80126/SPL 80126
```

The customer is requesting price and Lead Time information for a Part Number.

### 1.1.21. P1PDINQY Response

```
CAM
P1PDINQY/IIC ACN05/PNR 4621-42/
MFR 80126/SPL 80126/MOA RB211/
RPD 4621-42A 80126 1 SB4268-85 AND SB4221-85
```

The above example shows a part history record. Part Number 4621-42 has been replaced by Part Number 4621-42A. To receive the information for the Replaced Part Number, a second inquiry would have to be made.

### 1.1.22. AIRS Data Request

```
CAM
P1PDINQY/IIC CDN/PNR 1245/DSC A
```

The customer is requesting AIRS availability for Part Number 1245. Only the AIRS data base will be queried because the Data Selection Code (DSC) is "A" (AIRS).

### 1.1.23. P1PDINQY AIRS Single Response

```
CAM
P1PDINQY/DSC A/IIC CDN/PNR 1245/KWD BOLT/UNT EA/ASQ 25/ONR AAR/CND NU/
MFR 22813
```

The response confirms that the source of data is AIRS (DSC is A) and offers 25 EA from AAR in new condition.

```
CAM
P1PDINQY/IIC CDN/PNR 3369/DSC A
```

The customer is requesting AIRS availability for Part Number 3369. Only the AIRS data base will be queried because the

---

Data Selection Code (DSC) is "A" (AIRS).

#### 1.1.24. P1PDINQY AIRS Single Response

```
CAM
P1PDINQY/DSC A/IIC CDN/PNR 3369/KWD NUT/UNT EA/ASQ 55/ONR BET/CND NU/
UNP 7.25/ICR USD/
WHO BET AIR/TEL 6042797933/FAX 6042797955/COM YVRMOCP
```

The response confirms that the source of data is AIRS (DSC is A) and offers 55 EA from BET AIR in new condition. The response has also provided the unit price (7.25) currency (USD) and the Company Name, Telephone Number, fax number and communication address in the WHO / TEL / FAX / COM elements.

```
CAM
P1PDINQY/IIC TWA56/PNR 9899/DSC A
```

The customer is requesting AIRS availability for Part Number 9899. Only the AIRS data base will be queried because the Data Selection Code (DSC) is "A" (AIRS).

#### 1.1.25. P1PDINQY AIRS Multiple Response

```
CAM
P1PDINQY/DSC A/IIC TWA56/PNR 9899/KWD CLAMP/UNT EA/ASQ 4/ONR AAR/CND CR/
MFR 62118
P1PDINQY/DSC A/IIC TWA56/PNR 9899/KWD CLAMP/UNT EA/ASQ 9/ONR RC1/CND NU/
MFR 62118
P1PDINQY/DSC A/IIC TWA56/PNR 9899/KWD CLAMP/UNT EA/ASQ 9/ONR UCP/CND US/
MFR 77218
```

The response confirms that the source of data is AIRS (DSC is A) and offers 4 ea from AAR (condition on request) 9 ea from RC1 (new) and 9 ea from UCP (used serviceable).

## 2-10. Command Title - Part Availability

### 1. Command Code - S1STOCKS

#### 1.1. Purpose

Provides the customer with stock status, price and Lead Time for a Part Number from a supplier.

Please note that with this command the mandatory data elements are positional and will not be identified with Text Element Identifiers (TEI's).

This command is transmitted by the customer to the supplier and is not part of the Central Procurement Data Base.

#### 1.2. Input Contents and Sequence

1. Command Code (/)
2. Customer Identification Code (/)
3. Part Number (/)

A maximum of ten part numbers may be transmitted with one S1STOCKS request.

4. + Manufacturer Code (MFR) (/)

Must be used if the part availability request is for a nonproprietary part stocked by a supplier.

5. + Acknowledgement Number (ACK)
6. + Supplier Code (SPL) (/)

+ Indicates conditional data elements
---------------------------------------

#### 1.3. Output Contents and Sequence

1. Command Code (/)
2. Customer Identification Code (/)
3. Inquiry Part Number (/)

The Part Number which the customer submitted on the original request.

4. Response Part Number (/)

The Part Number to which the data applies. If the Inquiry Part Number and Response Part Number are different, then the Reason for Part Number Change Text TEI (RFC) and Interchangeability Code TEI (INC) are required.

5. Keyword Name (/)
6. Unit of Measure Code (/)

----End of Line ----

7. Available Stock Quantity (/)

If supplier contact is required for the customer to receive stock availability, 99999 will appear in this field. If the supplier has zero stock, then zero will be shown.

8. Unit Price Amount (/)

When Unit Price Amount is given, International Currency Code (ICR) is required.

9. Lead Time (/)

10. + Location Code (LOC) (/)

11. + Standard Package Quantity (SPQ) (/)

12. + International Currency Code (ICR) (/)

13. + Reason for Part Number Change - Text (RFC) (/)

When the Inquiry Part Number and Response Part Number fields are different then this TEI (RFC) and the Interchangeability Code TEI (INC) are required.

14. + Interchangeability Code (INC) (/)

When the Inquiry Part Number and Response Part Number fields are different then this TEI (INC) and the Reason for Part Number Change text TEI (RFC) are required.

15. + Manufacturer Code (MFR) (/)

16. + Category I Container Price Amount (CAT) (/)

17. + Minimum Sales Quantity (MSQ) (/)

Must be included if the minimum quantity to be purchased is greater than one.

18. + Price Break Quantity (PBQ) (/)

When this TEI is used, the Price Break Price Amount TEI (PBP) is required. There can be multiples of these two TEI's.

19. + Price Break Price Amount (PBP) (/)

When this TEI is used, the Price Break Quantity TEI (PBQ) is required. There can be multiples of these two TEI's.

20. + Discount Percent (DIS) (/)

21. + Packaging Code (PKG) (/)

22. + Acknowledgement Number (ACK) (/)

23. + Supplier Code (SPL) (/)

24. + Remarks Text (REM)

+ Indicates conditional data elements.
--

## 2-11. Supporting Technical Information

### 1. Command Code - S1STOCKS

#### 1.1. Input and Output Examples

##### 1.1.1. Part Availability Request - One Part Number

```
CAM
S1STOCKS/DLA26/821928
```

The customer is requesting part availability information for a single Part Number.

##### 1.1.2. Response Showing Mandatory Data Elements

```
CAM
S1STOCKS/DLA26/821928/821928/GEAR/EA/
42/25.30/15/ICR USD
```

The data elements shown above are the minimum elements required for an S1STOCKS response.

##### 1.1.3. Part Availability Request with MFR TEI

```
CAM
S1STOCKS/UAL/123-1/MFR 69285/SPL 12345
```

The customer is requesting part availability for a nonproprietary part stocked by a supplier.

##### 1.1.4. Response Showing Missing Mandatory Elements

```
CAM
S1STOCKS/UAL/123-1/123-1/BEARING/EA/
20//15/MSQ 5/MFR 69285/SPL 12345
```

The supplier's response shows there are 20 parts available with a Lead Time of 15 days, however, the price is not currently available (indicated by the double slashes following the stock available quantity). The supplier has also added a conditional data element of Minimum Sales Quantity (MSQ). This tells the customer five or more parts must be purchased.

##### 1.1.5. Part Availability Request - One Part Number

```
CAM
S1STOCKS/AAT/12345/124-1
```

The customer is requesting part availability for a single Part Number.

##### 1.1.6. Response Showing Available Stock Information Declined

```
CAM
S1STOCKS/AAT/124-1/124-1/GEAR/EA/
99999/2.45/30/ICR USD/SPL 12345
```

When there are five nines in the Available Stock Quantity Field, the supplier is telling the customer to contact the supplier for details of stock availability.

##### 1.1.7. Part Availability Request - One Part Number

```
CAM
S1STOCKS/TWA/7521423/SPL 12345
```

The customer is requesting part availability for a single Part Number.

### 1.1.8. Response Showing No Stock Available

```
CAM
S1STOCKS/TWA/7521423/7521423/BEARING/EA/
0/2.45/30/SPQ 3/ICR USD/SPL 12345
```

The supplier has shown a zero in the Stock Available Quantity field indicating he supplies the part but has none available. The supplier has also elected to add the Standard Package Quantity (SPQ) TEI.

### 1.1.9. Part Availability Request - One Part Number

```
CAM
S1STOCKS/MHA/ARC7001/SPL 12345
```

The customer is requesting part availability for a single Part Number.

### 1.1.10. Response Showing Part Number Replacement

```
CAM
S1STOCKS/MHA/ARC7001/ARC7001-1/PIN/EA/
10/20.00/15/RFC SB7501/INC 2/ICR USD/SPL 12345
```

The supplier has Replaced Part Number ARC7001 with Part Number ARC7001-1. When a Part Number has been replaced the S1STOCKS response must also show the Reason For Change (RFC) TEI and the Interchangeability Code (INC) TEI.

### 1.1.11. Part Availability Request - One Part Number with Request for Receipt Acknowledgement

```
CAM
S1STOCKS/JLA/35-175/ACK 921127008/SPL 12345
```

The customer is requesting stock availability for a single Part Number.

### 1.1.12. Receipt Acknowledgement

```
CAM
S1CMDACK/01/921127008
```

The supplier is confirming receipt of the message. The ACK TEI can be ignored for the response to the customer's request. In this example, both the customer and the supplier are identified.

### 1.1.13. Response Showing Price Breaks

```
CAM
S1STOCKS/JLA/35-175/35-175/SUPPORT/EA/
175/20.00/30/PBQ 2/PBP 18.00/PBQ 11/PBP 15.00/ICR USD/SPL 12345
```

The supplier is offering price reductions for buying additional quantities. The Price Break Quantity (PBQ) TEI and Price Break Price (PBP) TEI must always be shown as a pair. In the above example the supplier is telling the customer, for a quantity of 2 thru 10, the price is \$18.00 and for a quantity of 11 or greater, the price is \$15.00.

### 1.1.14. Part Availability Request - Multiple Part Numbers

```
CAM
S1STOCKS/AAT26/821929
821928
5928-1
```

The customer is requesting part availability for three part numbers. There can be a maximum of ten part numbers included with one request.

### 1.1.15. Response for Multiple Part Number Inquiry

```
CAM
S1STOCKS/AAT26/
821929/821929/GEAR/EA/
46/37.60/30/LOC LGB/SPL 12345/ICR USD/
REM MUST BE MATCHED WITH INPUT DRIVE/
REM PN 8924081 ALSO REQ
S1STOCKS/AAT26/821928/821928/BEARING/EA/
0/15.00/30/PKG 1/SPL 12345/ICR USD
S1STOCKS/AAT26/5928-1/5928-1/SPINDLE/EA/
1200/.99/10/ICR USD/SPL 12345
```

Although three part numbers were received on the inquiry, the supplier must respond to each Part Number with a complete record including the S1STOCKS Command Code. In the above example, all three part numbers were transmitted in a single message. The supplier's system may elect to transmit separate messages for each individual Part Number.

### 1.1.16. Part Availability Request - Part Number Not On File

```
CAM
S1STOCKS/SK5/AAA9902/SPL 12345
```

The customer is requesting part availability for a single Part Number.

### 1.1.17. Response Showing Part Number Not On File

```
CAM
S1STOCKS/SK5/AAA9902/AAA9902///
0/.00/0/SPL 12345/
REM PART NUMBER NOT ON FILE
```

The supplier has received and processed the customer's stock status request but did not find the Part Number resident in the system.



## 2-12. Command Title - Quotation Requests

### 1. Command Code - S1QUOTES

#### 1.1. Purpose

Provides the customer with the capability to request a price quotation from a supplier. A maximum of ten part numbers may be submitted within one quotation request but for each Part Number, a unique Interim and/or Final output response (by individual Part Number) will be provided. In the event a price is not immediately available, an Interim Response will be provided by the supplier for each Part Number not quoted. When the price for the part has been determined, the supplier will transmit the Final Quotation response.

To accommodate existing industry requirements of proof of certification primarily for the purchase of aftermarket materials, conditional data elements have been added to the Request For Quote (S1QUOTES) and Final Response (S1QUOTES) transactions to reference traceability, part condition, and hours & cycles on time-critical components. When traceability information is provided to a prospective buyer during the quote process, it will be much easier to verify that parts available on the aftermarket would meet his company's quality requirements for approved parts. To validate certification of condition and origin would eliminate time-consuming research at the time of receipt, and will significantly reduce reject handling and re-sourcing of material.

There is no receipt acknowledgement required by the customer to an interim response or a full quotation message.

Please note that with this command the mandatory data elements are positional and will not be identified with Text Element Identifiers (TEI's) in transmission.

This command is transmitted by the customer to the supplier and is not part of the Central Procurement Data Base.

#### 1.2. Input Contents and Sequence

1. Command Code (/)
2. Customer Identification Code (/)

Must be 3 or 5 characters in length.

3. Quotation Request Number (/)

---- End of Line ----

4. Part Number (/)

A maximum of ten part numbers per S1QUOTES command.

5. Unit of Measure Code (/)
6. Quotation Quantity (/)
7. + Priority Code (PRI) (/)

Valid priorities are:

AOG = Aircraft On the Ground

WSP = Work Stoppage

USR = Urgent Stock Request

8. + Specified Shipping Date (SSD) (/)

9. + Manufacturer Code (MFR) (/)

Must be used if the quotation request is for a nonproprietary part stocked by a supplier.

10. + Acknowledgement Number (ACK) (/)

11. + Traceability Data Indicator (TAD) (/)

12. + Condition Code (CND) (/)

13. + Supplier Code (SPL) (/)

14. + Remarks Text (REM)

+ Indicates conditional data elements

### 1.3. Interim Response: Output Contents and Sequence

1. Command Code (/)

2. Customer Identification Code (/)

3. Quotation Request Number (/)

4. Part Number (/)

5. + Manufacturer Code (MFR) (/)

6. + Acknowledgement Number (ACK) (/)

7. + Supplier Code (SPL) (/)

8. + No Quote Condition Indicator (NQT) (/)

9. + Remarks Text (REM)

Remarks will be used to explain an inability to quote, or to provide information relevant to a delay in an ability to quote, such as the expected date for the final quotation, etc.

+ Indicates conditional data elements

### 1.4. Final Quotation: Output Contents and Sequence

1. Command Code (/)

2. Customer Identification Code (/)

If an interim response has been previously provided, this field becomes a 3 position Customer Code.

3. Quotation Request Number (/)

4. Inquiry Part Number (/)

The Part Number requested by the customer on the quotation request.

5. Response Part Number (/)

The Part Number to which the data applies. If the Inquiry Part Number and Response Part Numbers are different, then the Reason for Part Number Change Text TEI (RFC) and Interchangeability Code TEI (INC) are required.

6. Keyword Name (/)

---- End of Line ----

7. Unit of Measure Code (/)

8. Quotation Quantity (/)

9. Unit Price Amount (/)

10. International Currency Code (/)

11. Price Held Firm - Time (/)

12. Lead Time (/)

13. Quotation Number (/)

14. Quotation Date (/)

15. Warranty Time/Cycle Count (WTC) (/)

When the WTC TEI is used, Warranty Time/Cycle Reference Code (WCR) is required. There can be multiple occurrences of these two TEI's. This may occur when warranty is offered in a "whichever comes first" scenario.

16. Warranty Time/Cycle Reference Code (WCR)(/)

17. + Standard Package Quantity (SPQ) (/)

18. + Minimum Sales Quantity (MSQ) (/)

19. + Price Break Quantity (PBQ) (/)

When the TEI PBQ is used, the Price Break Price Amount (PBP) is required. There can be multiples of these two TEI's in a message.

20. + Price Break Price Amount (PBP) (/)

When the PBP TEI is used, the Price Break Quantity (PBQ) is required. There can be multiples of these two TEI's in a message.

21. + Manufacturer Code (MFR) (/)

22. + Category I Container Price Amount (CAT) (/)

23. + Reason for Part Number Change - Text (RFC) (/)

When the Inquiry Part Number and Response Part Number fields are different, then this TEI (RFC) and the Interchangeability Code TEI (INC) are required.

24. + Discount Percent (DIS) (/)

25. + Interchangeability Code (INC) (/)

When the Inquiry Part Number and Response Part Number fields are different then this TEI (INC) and the Reason for Part Number Change Text TEI (RFC) are required.

- 26. + Acknowledgement Number (ACK) (/)
- 27. + Traceability Data Indicator (TAD) (/)
- 28. + Universal Serial Tracking Number (UST) (/)
- 29. + Document Reference Indicator (CRP) (/)
- 30. + Condition Code (CND) (/)
- 31. + Part Source Code (SOR) (/)
- 32. + Source Name (SRN) (/)
- 33. + Certification Source (CES) (/)
- 34. + Certificate Type (CET) (/)
- 35. + Certification Date (CRD) (/)
- 36. + Part Serial Number (SER) (/)
- 37. + Work Order Number (WON) (/)
- 38. + Manufacture Date (DMF) (/)
- 39. + Total Time Text (TTM) (/)
- 40. + Shelf Life Expiration Date (EXD) (/)
- 41. + Batch Item Identifier (BII)
- 42. + OEM Original Packaging Code (PAK) (/)
- 43. + Supplier Code (/)
- 44. + Operating Days (ODT) (/)
- 45. + Time/Cycle Reference Code (TRF) (/)
- 46. + Remarks Text (REM)

+ <i>Indicates conditional data elements</i>
--

## 2-13. Supporting Technical Information

### 1. Command Code - S1QUOTES

#### 1.1. Input and Output Examples

##### 1.1.1. Quotation Request - One Part Number

```
CAM
S1QUOTES/ACN27/428975/
ZC67425-1/EA/100/SPL 12345/TAD YES
```

The customer is requesting price and Lead Time information for a single Part Number.

##### 1.1.2. Interim Quotation Response

```
CAM
S1QUOTES/ACN27/428975/ZC67425-1/SPL 12345/
REM WILL ADVISE 15-12-87
```

##### 1.1.3. Final Quotation Showing Replacing Part Number

```
CAM
S1QUOTES/ACN/428975/ZC67425-1/A57425/PIN/
EA/100/5.00/USD/90/10/68125/25127/RFC SB1234/INC 1/SPL 12345/TAD NAP
```

The Part Number shown in the Inquiry Part Number field (ZC67425-1) is different from the Response Part Number field (A57425) indicating there was a Replacing Part Number. The Reason for Part Number Change TEI (RFC) and the Interchangeability Code (INC) must also be supplied in the message.

##### 1.1.4. Quotation Request - One Part Number

```
CAM
S1QUOTES/ACA/428975/
AA72S/EA/1
```

##### 1.1.5. Interim Quotation Response - No Quote Response

```
CAM
S1QUOTES/ACA/428975/AA72S/NQT Y/
REM THANK YOU FOR THE RFQ BUT WE ARE UNABLE TO QUOTE ON THIS ITEM
```

The supplier has declined to provide a quote for the requested part number. The supplier has the option to include the NQT TEI and/or an explanation in Remarks.

##### 1.1.6. Quotation Request with SSD TEI

```
CAM
S1QUOTES/TWA/2542/
ARC7001/EA/10/SSD 29017/SPL 12345
```

The customer has added the Specified Shipment Date (SSD) TEI to the input message. When this TEI is used, the customer is requesting a price for a Part Number if the part must be supplied by the date specified.

##### 1.1.7. Interim Quotation Response

```
CAM
S1QUOTES/TWA/2542/ARC7001
REM WILL ADVISE 23017
```

### 1.1.8. Final Quotation

```
CAM
S1QUOTES/TWA/2542/ARC7001/ARC7001/SHAFT/
EA/10/15.00/USD/90/30/65761/26017
```

The above quotation response shows the minimum data elements which can be sent to the customer (no conditional TEI information included).

### 1.1.9. Quotation Request with PRI TEI

```
CAM
S1QUOTES/AAT/4521/
504311/EA/10/PRI AOG/SPL 12345/CND AR/UST ABC123-99
```

The customer is requesting price and Lead Time information on an AOG priority. Priorities, when used with the S1QUOTES Command, indicates the urgency for a response. For the above example, the customer is telling the supplier to quote this Part Number before any other request which may have been previously transmitted.

### 1.1.10. Interim Quotation Response

```
CAM
S1QUOTES/AAT/4521/504311/SPL 12345
REM WILL ADVISE 15-01-87
```

### 1.1.11. Final Quotation Showing Price Breaks

```
CAM
S1QUOTES/AAT/4521/504311/504311/NUT/
EA/10/40.00/USD/90/60/69452/22147/PBQ 2/PBP 38.00/
PBQ 5/PBP 36.00/PBQ 9/PBP 34.00/PBQ 15/PBP 30.00/SPL 12345/TAD NAP
```

The supplier is offering price reductions for ordering larger quantities. When using the S1QUOTES Command, the Price Break Quantity (PBQ) and Price Break Price Amount (PBP) TEI's must always be used as a pair. In the above example, the supplier is telling the customer if he buys a quantity of 2 thru 4, the price is 38.00. For a quantity of 5 thru 8, the price is 36.00. For a quantity of 9 thru 14, the price is 34.00 and for a quantity of 15 or greater, the price is 30.00.

### 1.1.12. Quotation Request with MFR TEI

```
CAM
S1QUOTES/UAS/85212/
6231621/ST/12/MFR 73037/SPL 12345
```

If the quotation request is for a nonproprietary part stocked by a supplier, then the Manufacturer Code (MFR) must be included.

### 1.1.13. Interim Quotation Response

```
CAM
S1QUOTES/UAS/85212/6231621/SPL 12345
REM WILL ADVISE 18-04-87
```

### 1.1.14. Final Quotation Showing Minimum Sales Quantity

```
CAM
S1QUOTES/UAS/85212/6231621/6231621/BEARING/
ST/12/10.00/USD/90/60/75145/18047/MSQ 2/MFR 73037
```

The supplier has added a Minimum Sales Quantity of two indicating to the customer at least two parts must be purchased at one time.

### 1.1.15. Quotation Request - Multiple Part Numbers

```
CAM
```

```
S1QUOTES/UAS/75851/  
704311/EA/20/SPL 12345/TAD YES  
6231627/EA/1/TAD YES  
6934376/EA/25/TAD YES
```

There can be up to ten part numbers within a single quotation request. The above example shows a customer requesting three part numbers.

### 1.1.16. Interim Quotation Response

```
CAM  
S1QUOTES/UAS/75851/704311/SPL 12345/  
REM WILL ADVISE 01-12-87  
S1QUOTES/UAS/75851/6231627/SPL 12345/  
REM WILL ADVISE 01-12-87  
S1QUOTES/UAS/75851/6934376/SPL 12345/  
REM WILL ADVISE 01-12-87
```

Although three part numbers were transmitted on the quotation request, the interim response must be a complete record (including the Command Code) for each Part Number.

### 1.1.17. Final Quotation

```
CAM  
S1QUOTES/UAS/75851/704311/704311/SHAFT/  
EA/20/15.00/USD/90/120/81311/01127/SPL 12345/PAK Y  
S1QUOTES/UAS/75851/6231627/6231627/SCREW/  
EA/50/25.00/USD/90/15/81311/01127/SPL 12345/CND AR  
S1QUOTES/UAS/75851/6934376/6934376/LEVEL/  
EA/25/1/2.44/USD/90/30/81311/01127/SPL 12345/CET 12345/CET 8130-3/CRD 01011999
```

The final quotation response is constructed as a complete record for each Part Number received on the original multiple Part Number quotation request. The S1QUOTES Command and its associated data elements for a given Part Number is sent to the customer for each Part Number received by the supplier.

The supplier has the option to assign a Quotation Number for each Part Number or to assign one Quotation Number for all part numbers in the S1QUOTES message. In the example above, the supplier has assigned a single Quotation Number to all part numbers.

### 1.1.18. Quotation Request - Multiple Part Numbers

```
CAM  
S1QUOTES/UAS/75851/  
704311/EA/20/SPL 12345  
6231627/EA/1  
6934376/EA/25
```

There can be up to ten part numbers within a single quotation request. The above example shows a customer requesting three part numbers.

### 1.1.19. Interim Quotation Response

```
CAM  
S1QUOTES/UAS/75851/704311/  
REM WILL ADVISE 01-12-87  
S1QUOTES/UAS/75851/6231627/SPL 12345/  
REM WILL ADVISE 01-12-87  
S1QUOTES/UAS/75851/6934376/SPL 12345/  
REM WILL ADVISE 01-12-87
```

Although three part numbers were transmitted on the quotation request, the interim response must be a complete record (including the Command Code) for each Part Number.

### 1.1.20. Final Quotation Transmitted on Separate Dates

#### 1.1.20.1. TRANSMISSION DATE 1 DECEMBER, 1987

CAM  
S1QUOTES/UAS/75851/704311/704311/SHAFT/  
EA/20/15.00/USD/90/120/81311/01127/SPL 12345  
S1QUOTES/UAS/75851/6231627/6231627/SCREW/  
EA/50/25.00/USD/90/15/81311/01127/SPL 12345

#### 1.1.20.2. TRANSMISSION DATE 18 DECEMBER, 1987

CAM  
S1QUOTES/UAS/75851/6934376/6934376/LEVEL/  
EA/25/2.44/USD/90/30/81311/18127/SPL 12345

The final quotation response may be transmitted on separate dates when delays in obtaining price information occur.

#### 1.1.21. Quotation Request - Available Price

CAM  
S1QUOTES/ACN25/A1245/  
ARB0132-503/10/EA/SPL 12345

The customer has requested a quotation for a Part Number for which the supplier has an established price and Lead Time. While this is not the purpose of a quotation request, there are times when this may occur.

#### 1.1.22. Final Quotation

CAM  
S1QUOTES/ACN25/A1245/ARB0132-503/ARB0132-503/BOLT/  
EA/10/235.00/USD/90/10/82135/25047/SPL 12345/CES 12346/CET 8130-3/CRD 01122000/CND OH

There was no interim response supplied in this condition. The interim response is used to confirm to the customer that the quotation has been received and will be responded to when the information is available.

#### 1.1.23. Quotation Request - Require Part In Specific Condition With Documentation

CAM  
S1QUOTES/ACN27/428975/  
ZC67425-1/EA/1/CND AR/TAD YES/SLP 12345

This is similar to Example 1.1.1. above, however, the customer is requesting availability for a single Part Number with a specific Condition code of 'As Removed'.

#### 1.1.24. Final Quotation Showing Available Parts and Their Condition

CAM  
S1QUOTES/ACN27/428975/ZC67425-1/A57425/PIN/  
EA/1/50.00/USD/90/10/68125/25127/SPL 12345/RFC SB1234/INC 1/  
CND NU/CES 81205/CET 8130-3/PAK Y

This is similar to Example 1.1.3 above: Once again, the Part Number requested in the Quotation inquiry (ZC67425-1) is different from the Part Number (A57425) in the Response, indicating there was a Replacing Part Number. However, now the purchaser can also determine that the part being offered is actually factory new, was manufactured by Boeing, and is available with an 8130-3 form. 'PAK Y' indicates that the part is still in OEM packaging.

#### 1.1.25. Quotation Request - Require Available and Applicable Traceability Data

CAM  
S1QUOTES/ACN27/428975/  
MS12345-98/EA/100/TAD YES/SPL 12345

The customer is requesting all available and applicable Traceability Data.



### 1.1.26. Final Quotation Showing Available Parts

CAM  
S1QUOTES/ACN/MS12345-98/SCREW/  
EA/100/10.00/USD/90/1/987654/15051/SPL 12345/TAD NAP  
REM STANDARD HARDWARE ITEM

The supplier has advised the customer that Traceability Data does not apply to this part. No further reference to Traceability Data is required.

### 1.1.27. Quotation Request - Require Available and Applicable Traceability Data

CAM  
S1QUOTES/ACN27/428975/  
ZC67425-1/EA/100/TAD YES/SPL 12345

### 1.1.28. Final Quotation - Available Parts, Available and Applicable Traceability Data

CAM  
S1QUOTES/ACN27/428975/ZC67425-1/A57425/PIN/  
EA/100/5.00/USD/90/10/68125/25127/SPL 12345/RFC SB1234/INC 1/  
CND NU/CES 81205/CET 8130-3/ODT 125/TRF O

Even though the requested part has been replaced, the supplier is able to verify in this transaction that the part being offered is used/serviceable, who manufactured the part, is available with appropriate certification and the total oprating days since last overhauled.

### 1.1.29. Final Quotation showing Parts, Available and Applicable Traceability Data and different Part Conditions

CAM  
S1QUOTES/ACN27/428975/ZC67425-1/PIN/  
EA/100/5.00/USD/90/10/68125/25127/SPL 12345/  
CND NU/CES 81205/CET 8130-3/PAK Y  
S1QUOTES/ACN27/428975/ZC67425-1/PIN/  
EA/100/5.00/USD/90/10/68125/25127/SPL12345/CND AR  
S1QUOTES/ACN27/428975/ZC67425-1/PIN/  
EA/100/5.00/USD/90/10/68125/25127/SPL 34567/CND US

The customer is informed that the parts are available in three different conditions: Part Number ZC67425-1 is available as 'new' (CND NU), as 'used/serviceable' (CND US), and as 'as removed' (CND AR). If the supplier wants to quote all three conditions, he should send three complete records, one for each specific condition. This would also apply if the supplier had three parts available, but different documentation or a different price would apply for each part.

### 1.1.30. Final Quotation - Available Parts, Available and Applicable Traceability Data, and Warranty Information

CAM  
S1QUOTES/ACN27/428975/ZC67425-1/A57425/PIN/  
EA/100/5.00/USD/90/10/68125/25127/WTC 365/WCR DP/SPL 12345/RFC SB1234/INC 1/  
CND NU/CES 81205/CET 8130-3/ODT 125/PAK Y

Even though the requested part has been replaced, the supplier is able to verify in this transaction that the part being offered is factory new, was manufactured by Boeing, is available with appropriate certification and is being offered with 365 days warranty following purchase of the part by the customer.

### 1.1.31. Final Quotation - Available Parts, Available and Applicable Traceability Data, and Warranty Information

CAM  
S1QUOTES/ACN27/428975/ZC67425-1/A57425/PIN/  
EA/100/5.00/USD/90/10/68125/25127/WTC 365/WCR DR/WTC 1000/WCR CI/SPL 12345/RFC SB1234/INC 1/  
CND NU/CES 81205/CET 8130-3/PAK Y

Even though the requested part has been replaced, the supplier is able to verify in this transaction that the part being offered is factory new, was manufactured by Boeing and is available with appropriate certification. The part is being offered with a warranty period of 365 days following receipt of the part by the customer or 1000 operating cycles, whichever comes first.

## **2-14. On-Line Inquiry - Airline Inventory Redistribution System (AIRS)**

Information about accessing the Airline Inventory Redistribution System (AIRS) surplus material data base is contained in [\[Chapter 12\]](#) of this document.

## **2-15. Command Title - Part Number Variation Search**

### **1. Command Code - P1SEARCH**

#### **1.1. Purpose**

Provides the capability for the requestor to perform a Part Number search of the respective data bases, Airline Inventory Redistribution System (AIRS) data base and/or the Central Procurement Data Base (CPDB), depending on requestor's message setup and the requestor permission (viewing rights) status.

#### **1.2. Implementation Notes**

##### **1.2.1.1 Part Number Request**

This request message (P1SEARCH) must include only one Part Number input.

##### **1.2.2.2 Part Number Variance**

The search part character provided parameters are:

Minimum 3 characters

Maximum 15 characters

##### **1.2.3.3 Response Capacity**

The search response (P1SEARCH) will be limited to the first 50 part numbers encountered on the data base search. If the search was not completed, the returned message will include a remark statement:

REM PART NUMBER RECORDS SELECTED REACHED MAXIMUM LIMIT

##### **1.2.4.4 Part Number Not Found**

If the selected search Part Number variance is not found on the data base(s) the message will include a remark statement.

REM PART NUMBER NOT FOUND

##### **1.2.5.5 Data Base Selection**

If the requestor has dual permission (viewing rights) capability, the TEI by which the access request will be identified will be the Data Selection Control (DSC). If DSC is not present only the PD data base will be accessed.

SELECTION PARAMETERS:

- If the DSC is not input, only the Procurement Data Base will be queried for the Part Number.
- If the DSC is input as "A", only the AIRS Data Base will be queried for the Part Number.
- If the DSC is input as "B", both the Procurement and AIRS data bases will be queried for the Part

Number.

If the request is for a dual search the program will first access the PD data base and then the AIRS data base. The response message will display the selected parts in Part Number sequence.

### 1.2.6.6 Security Reject

Security checks, to control viewing rights to the data bases, will be performed and responses will be based upon the inquirer's viewing rights and fleet configuration.

## 1.3. Input Contents and Sequence

1. Command Code (/)
2. Inquirer Identification Code (IIC) (/)
3. + Data Selection Code (DSC) (/)

Used if requestor has dual permissions and chooses to only access the AIRS data base or both data bases.

4. Search Part Number (SPN) (/)

+ Indicates conditional data elements

## 1.4. Output Response

1. Command Code (/)
2. Inquirer Identification Code (IIC) (/)
3. Search Part Number (SPN) (/)

---End of Line---

4. Response Part Number (RSP) (/)
5. Keyword Name (KWD) (/)
6. + Data Selection Code (DSC) (/)

If both data bases are accessed, DSC 'A' will identify the AIRS data base records. If Part Number is on both data bases, DSC B will be present.

7. + Remarks Text (REM)

Will be used to indicate (a) the maximum records were selected, (b) that Part Number Not Found on data base.

+ Indicates conditional data elements

## 2-16. Supporting Technical Information

### 1. Command Code - P1SEARCH

#### 1.1. Input and Output Examples

##### 1.1.1. Access Central Procurement Data Base Only

```
CAM
P1SEARCH/IIC DLA21/SPN 1538M
```

Data Selection Code (DSC) not included in input message therefore only PD data base was accessed.

```
P1SEARCH/IIC DLA21/SPN 1538M/
RSP 1538M91P05/KWD BEARING
RSP 1538M91P03/KWD STRIP
RSP 1538M92P01/KWD STRIP
RSP 1538M92P14/KWD STRIP
```

##### 1.1.2. Dual Data Base Selection

```
CAM
P1SEARCH/IIC BAS03/DSC B/SPN 9228M1
```

The use of the Data Selection Code (DSC B) indicates that both PD and AIRS data bases are to be searched.

```
P1SEARCH/IIC BAS03/SPN 9228M1/
RSP 9228M14P03/KWD SLEEVE
RSP 9228M14P04/KWD SLEEVE/DSC B
RSP 9228M15P01/KWD BOLT
RSP 9228M17P07/KWD SEAL
RSP 9228M15P01/KWD BOLT/DSC A
RSP 9228M18P02/KWD BOLT/DSC A
```

In the response message the DSC A indicates the record was selected from the AIRS Data Base while DSC B indicates that the record was present on both data bases. Where DSC is not present, Part Number is present on only PD data base.

##### 1.1.3. AIRS Data Base Only - Maximum Records Selected

```
CAM
P1SEARCH/IIC UAS01/DSC A/SPN 9200M
```

The input message contains the DSC A which indicated only the AIRS data base is to be accessed. The response message indicates that the maximum of 50 records has been selected.

```
P1SEARCH/IIC UAS01/SPN 9200M/
RSP 9200M10G01/KWD TUBE/DSC A
RSP 9200M11G01/KWD TUBE/DSC A
RSP 9200M12G02/KWD TUBE/DSC A
RSP 9200M13G02/KWD TUBE/DSC A
...
RSP 9200M97G01/KWD TUBE/DSC A
REM PART NUMBER RECORDS SELECTED REACHED MAXIMUM LIMIT
```

##### 1.1.4. Both Data Bases - Maximum Records Selected

```
CAM
P1SEARCH/IIC UAS11/DSC B/SPN 9211M3
```

The input message requested that both data bases be accessed. The response message indicates that the maximum of 50 records had been selected.

```
P1SEARCH/IIC UAS11/SPN 9211M3/
RSP 9211M36P05/KWD NUT
RSP 9211M36P11/KWD NUT/DSC B
RSP 9211M38P01/KWD NUT
```

RSP 9211M39G01/KWD BUSHING/DSC A  
RSP 9211M39G04/KWD BUSHING/DSC A  
RSP 9211M39G05/KWD BUSHING/DSC A  
REM PART NUMBER RECORDS SELECTED REACHED MAXIMUM LIMIT

### 1.1.5. Both Data Bases Requested - Security Violation on One Data Base

CAM  
P1SEARCH/IIC KLM13/SPN 1582M92/DSC B

The requestor has indicated both AIRS and Procurement Data be accessed. The Security table indicated that the requestor does not have authorization for Procurement Data therefore an S1REJECT has been returned for the Procurement Data request. Since the requestor does have authorization for AIRS, the message includes data records from the AIRS Data Base.

S1REJECT/IIC KLM13/2112/SECURITY VIOLATION/  
P1SEARCH/IIC/KLM13/SPN 1582M92/DSC B  
RSP 1582M92P001A/KWD BRACKET/DSC A  
RSP 1582M92P001B/KWD BRACKET/DSC A

## **2-17. On-Line Inquiry - Discount Matrix Table**

### **1. Command Code - P1DISINQ**

#### **1.1. Purpose**

Through the industry's communication networks, suppliers may make inquiries to their Discount Matrix Tables. The system will perform the required security checks before responses are returned to ensure viewing rights to the data are enforced. Following are the message formats for inquiries to the Discount Matrix Table and their responses.

#### **1.2. Supplier Request**

This request can only be performed by suppliers. The supplier will only have access to its own table. If an airline performs this command, a reject message will be sent.

#### **1.3. Response Capacity**

When a request is received, the supplier shall receive its Discount Matrix Table in its entirety.

#### **1.4. Discount Matrix Table Not Found**

If the supplier does not have an established table, the message will include a remark statement:

REM DISCOUNT MATRIX TABLE NOT FOUND

#### **1.5. Security Reject**

Security checks to control viewing rights of the tables will be performed and responses will be based upon the inquirer's SITA/ARINC address and Supplier Code.

#### **1.6. Input Contents and Sequence**

1. Command Code (/)
2. Inquirer Identification Code (IIC) (/)

#### **1.7. Output Response**

1. Command Code (/)
2. Inquirer Identification Code (IIC) (/)
3. Product Category Code (PCC) (/)
4. Customer Category Code (CCC) (/)
5. Discount Percent Code (DPC) (/)
6. Discount Effective Date (DED) (/)



7. + Remarks Text (REM)

Will be used to indicate that the Table was not found.

+ *Indicates conditional data elements*

## 2-18. Supporting Technical Information

### 1. Command Code - P1DISINQ

#### 1.1. Input and Output Examples

##### 1.1.1. Discount Matrix Table Request

```
CAM  
P1DISINQ/IIC 4P205
```

The supplier has an existing Discount Matrix Table.

```
P1DISINQ/IIC 4P205/  
PCC P01/CCC CO1/DPC 0010/DED 010195/  
PCC P01/CCC CO2/DPC 0005/DED 010195/  
PCC P02/CCC CO1/DPC 0010/DED 010195/  
PCC P02/CCC CO2/DPC 0050/DED 010195/  
PCC P99/CCC CO1/DPC 0001/DED 010195/  
PCC P99/CCC CO2/DPC 0000/DED 010195
```

## 2-19. On-Line Updates - Discount Matrix Table

### 1. Command Code - P1DISUPD

#### 1.1. Purpose

Provides the ability for a supplier to add, delete, or revise customer discount information on the Central Discount Matrix Data Base via on-line message transaction. Establishment of the supplier's discount matrix data in this central database is one of three steps necessary by the supplier to initiate the Variable Pricing functionality for the prices going to their customers. Variable Pricing enables suppliers to give individual price discounts by part to their customers. Each customer will receive discount data meant only for them.

Suppliers can extend special pricing discounts to any or all customers. The supplier sets up a Discount Matrix Table to include the discounts and effective dates by Product and Customer Categories. This table determines which discount is sent to each customer. The customers receive the list price in the Unit Price Amount (UNP), however their customized discounts are represented in the Procurement Discount Percent (PDP). The customers can then apply the discount percentage to the list price and, if applicable, to the quantity price breaks and alternate supply location prices.

As with the Part Number records in the Central Procurement Data Base, the Discount Matrix Table can contain both current and future records to indicate the current status and future change in the part or customer discount.

Those suppliers that do not require the variable pricing function do not need to make any changes to their systems.

The benefits of Variable Pricing are as follows:

1. Customers see both the list price and their custom discount percentages.
2. Customers have fewer files to process since they no longer require separate customized price files/catalogs from their suppliers.
3. Customers spend less time contacting suppliers to finalize a purchase.
4. Accurate, customized pricing in the Central Procurement Data Base eliminates the requirement for a quotation. The number of suppliers listed without prices ("On-Quote" status) should be significantly reduced.
5. Suppliers have a greater chance of being considered by their customers if their parts data include pricing.

Listed below under "Input Contents and Sequence" are the data elements used to comprise a P1DISUPD transaction.

#### 1.2. Input Contents and Sequence

1. Command Code (/)
2. Supplier Code (SPL) (/)
3. Access Code (ACC) (/)

Used to validate security. This element is not stored as part of the record.

--- End of Line ---

4. Change Code (CHG) (/)

5. Product Category Code (PCC) (/)
6. Customer Category Code (CCC) (/)
7. Discount Percent Code (DPC) (/)
8. Discount Effective Date (DED)

<b>Note:</b> <b>Items 1-8 are required data fields for transaction codes “N”, “R”, and “T”. Items 1-6 are required data fields for Transaction Code “D”.</b>
--

## 2. Command Code - P1DISUPD Acknowledgement

### 2.1. Purpose

Provides the ability for the central agency to acknowledge back to the submitting supplier the acceptance of an update transaction to the Discount Matrix Data Base. Listed below under Output Contents and Sequence are the various data elements used to comprise the acknowledgement.

The Discount Matrix Data Base programs will edit each discount data record received. If an error condition is detected, an appropriate S1REJECT message will be received for that discount data record. If no error conditions exist, a P1DISUPD acknowledgement will be transmitted for each discount record which passed the edit processing.

When the P1DISUPD acknowledgement is received by the supplier, there is no acknowledgement sent back to the Central Discount Matrix Data Base.

### 2.2. Output Contents and Sequence

1. Command Code (/)
2. Supplier Code (SPL) (/)
- End of Line ---
3. Change Code (CHG) (/)
4. Product Category Code (PCC) (/)
5. Customer Category Code (CCC) (/)

### 2.3. Procedures

The P1DISUPD messages are stored in the Central Discount Matrix Data Base immediately upon receipt. Because this data base is immediately updated, a customer's on-line inquiry to the Central Procurement Data Base will produce a customized response based partly upon the newly updated Discount Matrix information, when applicable. Additionally, after the fourth Friday of each month, the central agency will capture all updates and apply this discount information to the Part Number records found on the Procurement Data Base and mail a customized Procurement Data file to the designated customer.

The customer receives information from the Discount Matrix Data Base in the form of a Procurement Discount Percent (PDP) data element. This PDP is sent from the Discount Matrix Data Base and attached to the appropriate Part Number record from the Central Procurement Data Base. The customer receives a PDP from the Discount Matrix Data Base only if the supplier has designated this information for the customer.

In order for the supplier to provide discounts to their customers, they must first establish their discount matrix data in the Central Discount Matrix Data Base. The establishment of this data provides a discount percent and effective date against product and customer code combination assignments. This is one of three steps that the supplier must perform in order to send customized discount percents to their customers. The other two steps are:

- Assign a Customer Category Code (CCC) to the customers who are to receive a discount (this is done via the ATA Viewing Rights process)
- Assign a Product Category Code (PCC) to the Part Number(s) to be discounted (this is done via the normal batch, online or Internet updating process to the Central Procurement Data Base)

When the supplier updates their data in the Discount Matrix Data Base and because all TEIs listed under “Input Contents and Sequence” are mandatory, if any of the TEIs are rejected then the entire record will be rejected.

The following examples are designed to show what takes place on the Central Discount Matrix Data Base.

## **2.4. Update Change Codes**

Change Codes are transmitted to the central agency on the discount matrix data record to indicate the type of change being requested. There are four Change Codes used in the P1DISUPD on-line command - New, Revision, Total Replacement, and Deletion. These are the same Change Codes as are used to update the Central Procurement Data Base.

### **2.4.1 New - Change Code = N**

When establishing a new record, all data elements must be present. These are:

Change Code

Product Category Code

Customer Category Code

Discount Percent Code

Discount Effective Date

### **2.4.2 Revision - Change Code = R**

### **2.4.3 Total Replacement - Change Code = T**

To revise an existing record on the database, you may submit Change Code “R” or “T”. Both of these Change Codes perform the same function for this Data Base. All data elements must be present.

### **2.4.4 Deletion - Change Code = D**

A delete is accomplished by providing a Change Code “D”. All data elements must be present except Discount Percent Code (DPC) and Discount Effective Date (DED).

## 2-20. Supporting Technical Information

### 1. Command Code - P1DISUPD

P1DISUPD is the command used by suppliers to transmit on-line procurement data records to the Central Discount Matrix Data Base via the telecommunications networks. The central agency will process the transmitted updates immediately and make the discount data available to the customers, when applicable, via on-line inquiry to the Procurement Data Base. After the fourth Friday of each month, the central agency will capture all updates and apply this discount information to the Part Number records found on the Procurement Data Base. Customized Procurement Data files will then be mailed to the designated customer.

A customer will only receive discounts from the Central Discount Matrix Data Base if a supplier is participating in the Variable Pricing functionality and has designated that the customer is to receive the discounts. Discounted data is transmitted to the customer on their Procurement data on the Procurement Discount Percent (PDP) TEI. This discount percent is then applied to the Unit Price Amount (UNP) and any Price Break - Quantity and Amount Text (PQA) or Alternate Supply Location (ASL) data by the customer.

#### 1.1. Input and Output Examples

##### 1.1.1. Add a Record to the Discount Matrix Table

```
CAM
P1DISUPD/SPL AAAAA/ACC 12345678/
CHG N/PCC P01/CCC CA1/DPC 1500/DED 010197
```

---

##### Acknowledgement from the Central Discount Matrix Data Base

```
CAM
P1DISUPD/SPL AAAAA/
CHG N/PCC P01/CCC CA1
```

##### 1.1.2. Add Multiple Records to the Discount Matrix Table

```
CAM
P1DISUPD/SPL AAAAA/ACC 12345678/
CHG N/PCC P01/CCC CA1/DPC 1500/DED 010197
P1DISUPD/SPL AAAAA/ACC 12345678/
CHG N/PCC P02/CCC CA1/DPC 500/DED 010197
P1DISUPD/SPL AAAAA/ACC 12345678/
CHG N/PCC P03/CCC CA1/DPC 1000/DED 010197
```

---

##### Acknowledgement from the Central Discount Matrix Data Base

```
CAM
P1DISUPD/SPL AAAAA/
CHG N/PCC P01/CCC CA1
CAM
P1DISUPD/SPL AAAAA/
CHG N/PCC P02/CCC CA1
```

```
CAM
P1DISUPD/SPL AAAAA/
CHG N/PCC P03/CCC CA1
```

##### 1.1.3. Revise a Record on the Discount Matrix Table

```
CAM
P1DISUPD/SPL AAAAA/ACC 12345678/
CHG R/PCC P01/CCC CA1/DPC 1000/DED 010197
```

**Acknowledgement from the Central Discount Matrix Data Base**

CAM  
P1DISUPD/SPL AAAAA/  
CHG R/PCC P01/CCC CA1

**1.1.4. Replace a Record on the Discount Matrix Table**

CAM  
P1DISUPD/SPL AAAAA/ACC 12345678/  
CHG T/PCC P01/CCC CA1/DPC 1000/DED 010197

---

**Acknowledgement from the Central Discount Matrix Data Base**

CAM  
P1DISUPD/SPL AAAAA/  
CHG T/PCC P01/CCC CA1

**1.1.5. Revise and/or Replace Multiple Records on the Discount Matrix Table**

CAM  
P1DISUPD/SPL AAAAA/ACC 12345678/  
CHG R/PCC P01/CCC CA1/DPC 700/DED 010197  
P1DISUPD/SPL AAAAA/ACC 12345678/  
CHG T/PCC P02/CCC CA1/DPC 525/DED 010197

---

**Acknowledgement from the Central Discount Matrix Data Base**

CAM  
P1DISUPD/SPL AAAAA/  
CHG R/PCC P01/CCC CA1  
CAM  
P1DISUPD/SPL AAAAA/  
CHG T/PCC P02/CCC CA1

**1.1.6. Delete a Record on the Discount Matrix Table**

CAM  
P1DISUPD/SPL AAAAA/ACC 12345678/  
CHG D/PCC P03/CCC CA1

---

**Acknowledgement from the Central Discount Matrix Data Base**

CAM  
P1DISUPD/SPL AAAAA/  
CHG D/PCC P03/CCC CA1

## Appendix 3. Message Construction

This specification requires a telecommunication message in accordance with IATA Systems and Communication Reference, Volume 1, in order to exchange information between the customer and the supplier. The total message consists of the following:

	COMMUNICATIONS ENVELOPE	As per IATA Systems and Communication Reference, Volume 1
HEADER		
ADDRESS		
ORIGINATOR		
PDM	COMMUNICATIONS SERVICE CODE	May be inserted as First Element of text by a communication system
	<b>CAM</b>	<b>SMI-Standard Message Identifier</b>
	<b>S1FRADDR/2741-2</b>	<b>Supplementary Address</b>
TEXT AS PER CHAPTER	S1QUOTES/UAS/33213/ 504311/EA/30 6231621/ST/12/MFR 73030 6934376/EA/25/SSD 31054	
END OF TEXT	COMMUNICATIONS ENVELOPE	As per IATA Systems and Communication Reference, Volume 1
END OF MSG		

A priority (QU, QK, etc.) can preface the destination address. If used, the response message will respond with the same priority.

Occasionally, a 3 character Communication Service Code (CSC) is inserted on the line prior to 'CAM' on responses. The CSC Codes include

PDM - Possible Duplicate Message

COR - Correction

QTA - Message Interrupted - Will Be Resent

QTB - Message Interrupted - Will Not Be Resent

INT - Intercepted Message

Numeric quantities are understood as positive. Negative quantities are not transmitted.

Quantity and price fields will not include leading zeros.



## A3-1. General

This specification requires a telecommunications message in accordance with IATA Systems and Communication Reference, Volume 1. All messages must be transmitted in English, Arabic Numerals and special characters of common usage as specified in the latest revision of the Communication Reference.

As there are many methods of access, this appendix will deal only with the text of the message. There may be required addresses or headers and endings, depending upon communications method chosen.

---

## A3-2. Standard Message Identifier (SMI)

The text of the message will start with a Standard Message Identifier (SMI), consisting of three alphabetical characters: CAM, Customer and Manufacturer (CAM) was selected as this specification closely involves the customer and manufacturers' data processing systems and was jointly developed to aid in the exchange of data. The SMI of CAM must appear in the first three positions of the first line of text without any other data.

---

## A3-3. Command Code

The second line of text will begin with an eight position Command Code followed by the data applicable to the command.

---

## A3-4. Mandatory and Conditional Data Elements

Within the Command Code structure, data identified without a + (plus sign) is mandatory and must appear in the text in the order specified.

Data identified with a + (plus sign) are conditional and are to be used whenever the data applies to the transaction and providing that the data are available for transmission in the airline's and supplier's system.

---

## A3-5. Text Element Identifier (TEI)

The Text Element Identifier (TEI) is defined as a four character mnemonic symbol identifying a data element or Data Set Group. The TEI consists of three alphabetical characters and a space. Following the space will be the relevant data in the assigned data field.

In on-line SPEC2000 commands, all conditional data elements are assigned a TEI. In the commands that do not require positional data, all data elements, whether conditional or mandatory, are assigned a TEI.

In batch files for Provisioning (Ref. [\[Chapter 1\]](#) V-file), the Central Procurement Data Base (Ref. [\[Chapter 2\]](#)), Information and Data Exchange (Ref. [\[Chapter 5\]](#)), the Central Repair Data Base (Ref. [\[Chapter 8\]](#)) and Delivery Configuration Data (Ref. [\[Chapter 15\]](#)), all data elements (not just conditional elements) are identified with a TEI.

In some cases, TEI's have been added to positional or Data Set Group component data elements for documentation purposes only. The correct usage for TEI's may be found in the message and file formats defined in the SPEC2000 Main Document.”

## A3-6. Field Delimiter Slash

Each command and the associated data is a complete record. Within the record, each data field is separated by a slash (/). The field delimiter slash (/) for a mandatory element must always be present although the associated data element may not be available. However, no slash is ever permitted at the end of a record. In cases where the last mandatory data element is not present and is not followed by any conditional data element, an appropriate remark, "REM", must conclude the message (e.g. "DATA ELEMENT TO FOLLOW"). Missing mandatory data elements must be supplied in future transactions as they become available.

A slash is used to separate data elements and a slash at the end of a line is an indicator of continuation of more data following on the next line pertaining to that record. No slash at the end of a line indicates the end of data for that record or end of message.

There is a special rule for the TEI REM. Each required line of remarks must start with REM and end with a slash (/) except for the last line which will not end with the slash (/).

---

## A3-7. End of Line

For readability purposes, messages will have a limitation on the number of data fields on a line. The specification identifies logical "end of line" within each command record. Each line will end with a carriage return and line feed (CRLF) or equivalent control function applicable to the terminal being used.

All data elements of the command line must be in one (1) line and should NOT be separated by a CRLF. All mandatory data elements of a record, not identified by a TEI, must be in one (1) line and should NOT be separated by a CRLF.

A CRLF cannot be used within a data field. It can only be used at the end of the last data field for the line.

---

## A3-8. Message Length

Provisions are not included in this specification to limit the number of characters in any message. However, some companies have message length restrictions and should resolve this issue between trading partners.

---

## A3-9. Multiple Commands within a Message

Multiple commands within a single command may consist of more than one application of the same command or an intermingling of different commands. Each command would follow the same format but each command code must begin on a new line.

For the Central Databases, a supplementary address Command Code (S1FRADDR or A1FRADDR) may be transmitted in conjunction with one database Command Code. Multiple Command Codes to query or update any of the databases may not be transmitted in one message.

---

## A3-10. Repeating Data Elements within a Command Code

A data element may have multiple occurrences within a single Command Code. It is always necessary to repeat the TEI

with the data field even if there are multiples of the same TEI. There are no limitations to the number of times a conditional data element can be repeated in a command (other than the overall size limit of the message, as indicated in the Message Length section above), unless explicitly noted.

---

## **A3-11. Time Limits**

If an appropriate response is not received within a twenty-four hour period, retransmit the message. If after three transmissions the response is still not received, use an alternate method.

## Appendix 4. Rejection Procedure

---

### A4-1. Purpose

The rejection procedure provides the ability for the recipient of any Command Code message within Specification 2000, to identify a message has been received, however, cannot be processed because of an error condition occurring within a record. The invalid record is not retained within the system from which it was rejected.

### A4-2. General Description

The rejection command is designed for both the automated or manual customer or supplier. The On-line Error Code is comprised of four positions. The first two positions identify the Command Code being rejected and positions three and four relate to the actual error detected. The error description field is the description of the error. Refer to the DATA CONDITIONS portion of this appendix for a complete description of these two fields.

It should be fully understood that although more than one error may exist within a rejected record, only one condition will be referenced on the rejection message. When the first error condition is detected, the process is terminated and the record rejected. Therefore, it is important that the recipient of the rejection message carefully check all data fields in the invalid record prior to resending the message.

Each of the commands within Specification 2000 will be shown in the appendix with the general error conditions which apply. The appropriate error type and description will be used for the specific error example. However, since each customer or supplier's computer system is designed differently, there may be error conditions which are not covered in this appendix. The customer or supplier will then select the appropriate error type to be used or code the message with an error type 99 and construct the description necessary to define the error condition.

The commands in SPEC2000 use mandatory data elements. However, there are slight variations in the use of these elements in many of the commands. Therefore, there will be variations in the structure of the SIREJECT command depending on the command that is being rejected. The following Output Contents and Sequence of the SIREJECT command is provided for each of the commands in [\[Chapter 2\]](#), [\[Chapter 3\]](#), [\[Chapter 4\]](#), [\[Chapter 7\]](#), [\[Chapter 8\]](#), [\[Chapter 12\]](#), and [\[Chapter 14\]](#) of SPEC2000.

## **A4-3. Command Code - S1REJECT**

### **1. Input Contents and Sequence**

Applicable to all commands within Specification 2000.

#### **1.1. XML Representation of S1REJECT Input Contents and Sequence**

When using SPEC2000 XML messaging, rejection data is transmitted in the SPEC\_HDR portion of the rejection message. The complete text of the S1REJECT DTD can be found in [\[Heading A10-5.3.2.1\]](#)

### **2. Output Contents and Sequence**

#### **2.1. Commands: P1UPDATE, P1DISUPD, R1CDBUPD, R1CDBACK**

1. Command Code (/)
2. Blank Field (/) \*
3. Supplier Code (/)
4. On-line Error Code (/)
5. On-line Error Text (/)  
---End Of Line---
6. Original Command Code Text

#### **2.2. Commands: P1PDINQY, R1CDBINQ, P1DISINQ, P1SEARCH**

1. Command Code (/)
2. Inquirer Identification Code (/)
3. Blank Field (/) \*
4. On-line Error Code (/)
5. On-line Error Text (/)  
---End Of Line---
6. Original Command Code Text

#### **2.3. Commands: S1STOCKS, S1QUOTES, S1PNSTAT, S1POSTAT**

1. Command Code (/)
2. Customer Identification Code (/)
3. Blank Field (/) \*

4. On-line Error Code (/)
5. On-line Error Text (/)  
---End Of Line---
6. Original Command Code Text

**2.4. Commands: S1BOOKED, R1CPOINQ, R1PNRRSP, R1PNRINQ, R1CPORSP, R1QTNREQ, R1QTNINT, R1QTNXMT, R1CPOXMT, R1CPOACK, R1INXXMT, R1INXACK**

1. Command Code (/)
2. Customer Identification Code (/)
3. Supplier Code (/)
4. On-line Error Code (/)
5. On-line Error Text (/)  
---End Of Line---
6. Original Command Code Text

**2.5. Commands: S1ORDEXC, S1SHIPPD, S1INVOICE, S1INVEXC, R1CUSSHP, R1MATRCP, R1DSPXMT, R1DSPACK, R1IN VXMT, R1INVACK, R1SPLSHP, R1EXCSMT, R1EXCACK**

1. Command Code (/)
2. Customer Code (/)
3. Supplier Code (/)
4. On-line Error Code (/)
5. On-line Error Text (/)  
---End Of Line---
6. Original Command Code Text

**2.6. Commands: W1CLMINQ, W1CLMRSP, W1CLMXMT, W1CLMACK, W1CDNXMT**

1. Command Code (/)
2. Customer Identification Code (/)
3. Warrantor Code (/)
4. On-line Error Code (/)
5. On-line Error Text (/)  
---End Of Line---

6. Original Command Code Text

## 2.7. Commands: S1CMDACK

1. Command Code (/)
2. Blank Field (/) \*
3. Blank Field (/) \*
4. On-line Error Code (/)
5. On-line Error Text (/)  
---End Of Line---
6. Original Command Code Text

## 2.8. Commands: A1STOCKS, A1QUOTES, A1SEARCH, A1UPDATE, A1ADDPRT, A1QTYDEC, A1QTYINC, A1CHANGE, SALEINFO, PURCHASE, ADMINMSG

1. Command Code (/)
2. Owner Code (/)
3. On-line Error Code (/)
4. On-line Error Text (/)  
---End Of Line---
5. Original Command Code Text

<p>*Note: Whenever a blank field is indicated, two slashes, with no spaces between, is used.</p>
--

## A4-4. Data Conditions

To develop a properly constructed error code, select the two position Code from the Command Code Table. Then select the two position code from the Error Type Table: The concatenation of these two codes become the error code in an S1REJECT message. The description for the applicable Error Type is shown in the Description Table

COMMAND CODE TABLE	ERROR TYPE TABLE	DESCRIPTION OF ERROR TYPE
00 = UNKNOWN	01	INVALID COMMAND CODE - The Command Code contained in the message is not defined in SPEC2000. This error causes rejection of the entire message.
01 = S1STOCKS	02	UNAVAILABLE COMMAND CODE - The Command contained within the message has been included in SPEC2000; however, is not currently available within the supplier or customer's system. This error causes rejection of the entire message.
02 = S1PNSTAT	03	IMPROPER USE OF SLASH - A slash within a record has been improperly applied or is missing (a slash has been used where there should not be one).
03 = S1POSTAT	04	EMBEDDED TEI - A TEI within a record was embedded between the text of mandatory data elements.
04 = S1QUOTES	05	UNKNOWN TEI (LIST THE TEI) - A TEI which is not included in SPEC2000 has been applied within a record or a TEI has been used which cannot be applied with the Command Code referenced.
05 = S1SHIPPD	06	INVALID (LIST THE DATA FIELD NAME) - A data field within a record has been improperly applied. For example, a quantity field contains alpha characters.
06 = S1BOOKED	07	MISSING (LIST THE DATA FIELD NAME) - Where relationships exist between data elements, one of the fields has not been applied. For example, a Part Number has been replaced and the Interchangeability Code or reason for the change has not been given or a mandatory data field is missing.
07 = S1ORDEXC	08	DUPLICATE ORDER NUMBER - An order number has been transmitted which exists in a supplier's system.
08 = S1INVOICE	09	NON RECORDED ORDER NUMBER - The rejected message refers to a Customer Order Number that does not exist in the rejecting company's system.
09 = S1INVEXC 10 = S1CMDACK 11 = S1BOOKBK	10	BATCH CONTROL REJECT (LIST THE DATA FIELD NAME) - If control data elements do not agree between the customer and supplier, the batch control reject is applied. In this case, all records within the Command Code are rejected.



COMMAND CODE TABLE		ERROR TYPE TABLE	DESCRIPTION OF ERROR TYPE
12 - 19 (Unassigned)		11	UNAUTHORIZED USER - Supplier or Customer Code is not an authorized code according to the on-line update or inquiry/response security table. This error type would also apply if a message originated from an unauthorized address. This error causes the rejection of the entire message.
20 = P1PDINQY		12	SECURITY VIOLATION - A customer or supplier is attempting to secure data for which they are not authorized or the Access Code is incorrect or missing. This error causes the rejection of the entire message.
21 = P1UPDATE 21 = A1UPDATE		13	FIELD TOO LONG - Data has been entered into a field and is greater than the maximum length of the field.
22 = P1CNTACT 22 = R1CNTACT 22 = S1CNTACT 22 = A1CNTACT		14	EXPECTED CONTINUATION NOT RECEIVED. The second part of a 2-part message was not received.
23 = P1ADVISE 23 = R1ADVISE 23 = ADMINMSG		15 - 97	Unused
24 = P1DISINQ		98	INVALID FORMAT - An incorrect format has been transmitted.
25 = P1DISUPD		99	This allows for a freeform comment only used for unique conditions which are not covered in the above conditions. Maximum length is 35 characters.
30 = R1QTNREQ			
31 = R1QTNINT			
32 = R1QTNXMT			
33 = R1CPOXMT			
34 = R1CPOACK			
35 = R1CUSSHP			
36 = R1MATRCP			
37 = R1DSPXMT			
38 = R1DSPACK			
39 = R1PNRINQ			
40 = R1PNRRSP			
41 = R1CPOINQ			

<b>COMMAND CODE TABLE</b>		<b>ERROR TYPE TABLE</b>	<b>DESCRIPTION OF ERROR TYPE</b>
42 = RICPORSP			
43 = RIEXCXMT			
44 = RIEXCACK			
45 = RISPLSHP			
46 = RIINVXMT			
47 = RIINVACK			
48 = RIINXXMT			
49 = RIINXACK			
50 = RICDBUPD			
51 = RICDBACK			
52 = RICDBINQ			
53 = RICDBRSP			
54 = WICLMXMT			
55 --- Deleted ---			
56 = WICDNXMT			
57 --- Deleted ---			
58 = WICLMINQ			
59 -- Deleted ---			
60 = A1STOCKS			
61 = A1QUOTES			
62 = A1SEARCH			
63 = A1ADDPRT			
64 = A1QTYDEC			
65 = A1QTYINC			
66 = A1CHANGE			
71 - 77 --- Deleted ---			
80 = SALEINFO			
81 = PURCHASE			
90 = P1SEARCH			
91 = R1TDNXMT			



## A4-5. Chapter 2 - Input and Rejection Examples

### 1. Command Code - P1UPDATE

#### 1.1. P1UPDATE Input Message - Invalid Command Code

```
CAM
P1UPDATT/SPL 88277/ACC XXXXXXXX/
CHG D/MFR 88277/PNR ARB0022
```

#### 1.2. Rejection Message

```
CAM
S1REJECT//88277/0001/INVALID COMMAND CODE/
P1UPDATT/SPL 88277/
CHG D/MFR 88277/PNR ARB0022
```

The central processing agency for the Procurement Data Base could not recognize the Command Code being received.

#### 1.3. P1UPDATE Input Message - Improper Use of Slash

```
CAM
P1UPDATE//SPL 88277/ACC XXXXXXXX/
CHG D/MFR 88277/PNR 0022
```

#### 1.4. Rejection Message

```
CAM
S1REJECT//88277/2103/IMPROPER USE OF SLASH/
P1UPDATE//SPL 88277/
CHG D/MFR 88277/PNR 0022
```

The central processing agency for the Procurement Data Base has rejected the message because of the double slash in the Command Code line.

#### 1.5. P1UPDATE Input Message - Unknown TEI

```
CAM
P1UPDATE/SPL 88277/
CHG D/MRF 88277/PNR ARB0022
```

#### 1.6. Rejection Message

```
CAM
S1REJECT//88277/2105/UNKNOWN TEI MRF/
P1UPDATE/SPL 88277/
CHG D/MRF 88277/PNR ARB0022
```

The central processing agency for the Procurement Data Base has rejected the message because the manufacturer TEI (**MRF**) is incorrect.

#### 1.7. P1UPDATE Input Message - Invalid Data Field

```
CAM
P1UPDATE/SPL 81205/ACC 12345678/
CHG R/MFR 81205/PNR ARB0022/UNT 12
```

#### 1.8. Rejection Message

```
CAM
S1REJECT//81205/2106/INVALID UNIT 12/
P1UPDATE/SPL 81205/
CHG R/MFR 81205/PNR ARB0022/UNT 12
```

The central processing agency for the Procurement Data Base has rejected the message because the Unit of Measure Code (UNT) field is an alpha field.

### 1.9. P1UPDATE Input Message - Security Violation

```
CAM
P1UPDATE/SPL 81223/ACC 1236/
CHG D/MFR 81333/PNR 2201
```

### 1.10. Rejection Message

```
CAM
S1REJECT//81223/2112/SECURITY VIOLATION/
P1UPDATE/SPL 81223/
CHG D/MFR 81333/PNR 2201
```

The central processing agency for the Procurement Data Base has rejected the message because the Supplier Code and the Access Code are not valid for passing the security edits. This action will cause this transaction to appear on a report given to the Air Transport Association. If the recipient of the rejection message simply made an error in the supplier or Access Code, then the correction would be made and the message retransmitted.

### 1.11. P1UPDATE Input Message - Field too Long

```
CAM
P1UPDATE/SPL 87482/ACC BBBB BBBB/
CHG D/MFR 074822/PNR 25-7
```

### 1.12. Rejection Message

```
CAM
S1REJECT//07482/2113/FIELD TOO LONG 074822/
P1UPDATE/SPL 07482/
CHG D/MFR 074822/PNR 25-7
```

The central processing agency for the Procurement Data Base rejected the message because the Manufacturer Code was greater than five positions.

### 1.13. P1UPDATE Input Message - Invalid Format

```
CAM
P1UPDATE/SPL 07482/ACC BBBB BBBB/
CHG D/PNR 45-2/MFR 07482
```

### 1.14. Rejection Message

```
CAM
S1REJECT//07482/2199/INVALID FORMAT/
P1UPDATE/SPL 07482/
CHG D/PNR 45-2/MFR 07482
```

The central processing agency for the Procurement Data Base has rejected the message because the format is wrong. The Part Number field (PNR) and Manufacturer Code (MFR) fields are control data elements and are positional. These fields must be received in the proper sequence.

### 1.15. P1UPDATE Input Message - Acknowledgement/Rejection

```
CAM
P1UPDATE/SPL 88277/ACC XXXXXXXX/
CHG R/MFR 88277/PNR 85-501/MSQ 5
CHG D/MFR 88277
CHG D/MFR 88277/PNR 95-501
CHG D/MFR 88277/PNR 75-1
```

### 1.16. P1UPDATE Response - Rejection Included with Acknowledgement

```
CAM
P1UPDATE/SPL 88277/
CHG R/MFR 88277/PNR 85-501/
CHG D/MFR 88277/PNR 95-501/
S1REJECT//88277/2199/INVALID FORMAT/
P1UPDATE/SPL 88277/
CHG D/MFR 88277
S1REJECT//88277/2105/UNKNOWN TEI MRF/
P1UPDATE/SPL 88277/
CHG D/MRF 88277/PNR 75-1
```

Since multiple part numbers can be input on a P1UPDATE message, the response can contain valid acknowledgements of the accepted part numbers and rejection messages for the part numbers which could not be processed by the central processing agency. In the above example part numbers 85-501 and 95-501 were processed and accepted by the central processing agency.

Two of the part numbers were rejected. In this case, the recipient of the rejection message would correct the errors for the rejected items and retransmit only the two items which were rejected.

## 2. Command Code - P1PDINQY

### 2.1. P1PDINQY Input Message - Unknown Command Code

```
CAM
P1PDINQY/IIC TWA/PNR 85-1
```

### 2.2. Rejection Message

```
CAM
S1REJECT/TWA//2000/UNKNOWN COMMAND CODE/
P1PDINQY/IIC TWA/PNR 85-1
```

The central processing agency for the Procurement Data Base has rejected the message because the Command Code was unrecognizable.

### 2.3. P1PDINQY Input Message - Improper Use of Slash

```
CAM
P1PDINQY/IIC TWA/PNR 85-1/
```

### 2.4. Rejection Message

```
CAM
S1REJECT/TWA//2003/IMPROPER USE OF SLASH/
P1PDINQY/IIC TWA/PNR 85-1/
```

The central processing agency for the Procurement Data Base has rejected the inquiry because the slash following the Part Number. The recipient of the rejection message would remove the slash (indicating more data to follow) or add the supplier or Manufacturer Code to the inquiry message.

### 2.5. P1PDINQY Input Message - Unknown TEI

```
CAM
P1PDINQY/IIC AAT/PNR 95-1/SPT 81205
```

### 2.6. Rejection Message

```
CAM
S1REJECT/AAT//2005/UNKNOWN TEI SPT/
P1PDINQY/IIC AAT/PNR 95-1/SPT 81205
```

The central processing agency for the Procurement Data Base has rejected the inquiry because of an invalid TEI.

## 2.7. P1PDINQY Input Message - Invalid Data Field

```
CAM  
P1PDINQY/IIC SNN/PNR
```

## 2.8. Rejection Message

```
CAM  
S1REJECT/SNN//2006/INVALID PNR/  
P1PDINQY/IIC SNN/PNR
```

The central processing agency for the Procurement Data Base rejected the inquiry because the TEI PNR was received but there was no data in the field.

## 2.9. P1PDINQY Input Message - Security Violation

```
CAM  
P1PDINQY/IIC ABC/PNR 95-1
```

## 2.10. Rejection Message

```
CAM  
S1REJECT/ABC//2012/SECURITY VIOLATION/  
P1PDINQY/IIC ABC/PNR 95-1
```

The central processing agency for the Procurement Data Base has rejected the message because of a security violation. If only one supplier had listed 95-1 on the file and had not established viewing rights for customer ABC, the security violation would be received. This action will cause a message to print on a report to the Air Transport Association. The recipient of the rejection message may contact the Air Transport Association, who in turn will contact the supplier. If the supplier establishes viewing rights for customer ABC, then the message can be retransmitted.

## 2.11. P1PDINQY Input Message - Field too Long

```
CAM  
P1PDINQY/IIC AYH07/PNR 95-1/SPL 074822
```

## 2.12. Rejection Message

```
CAM  
S1REJECT/AYH07//2013/FIELD TOO LONG 074822/  
P1PDINQY/IIC AYH07/PNR 95-1/SPL 074822
```

The central processing agency for the Procurement Data Base has rejected the inquiry because the Supplier Code was greater than five positions.

## 2.13. P1PDINQY Input Message - Invalid Format

```
CAM  
P1PDINQY/IIC MHA/SPL 88277/PNR 75-1
```

## 2.14. Rejection Message

```
CAM  
S1REJECT/MHA//2099/INVALID FORMAT/  
P1PDINQY/IIC MHA/SPL 88277/PNR 75-1
```

The central processing agency for the Procurement Data Base has rejected the inquiry because of an invalid format. Although TEI's represent each data Field, the input fields for P1PDINQY are control data fields and the input contents are positional. The Part Number field must come before the supplier field (PNR 75-1/ SPL 88277).

## 2.15. P1PDINQY Input Message - Invalid Format

```
CAM  
P1PDINQY/IIC 81211/PNR 75-1/PNR 85-1
```

Supplier 81211 is transmitting this inquiry.

## 2.16. Rejection Message

```
CAM
S1REJECT//81211/2099/INVALID FORMAT/
P1PDINQY/IIC 81211/PNR 75-1/PNR 85-1
```

The central processing agency for the Procurement Data Base has rejected the inquiry due to an invalid format. This command can only contain one Part Number. The recipient of the rejection message would construct two inquiries, one for each Part Number, and retransmit the message.

## 3. Command Code - P1SEARCH

### 3.1. P1SEARCH Input Message – Missing Search Part Number

```
CAM
P1SEARCH/IIC TWA/PNR 1538M
```

### 3.2. Rejection Message

```
CAM
S1REJECT/TWA//9099/MISSING SPN/
P1SEARCH/IIC TWA/PNR 1538M
```

The Central Processing Agency for the Procurement Database rejected this message because the required TEI of Search Part Number (SPN) was not used.

### 3.3. P1SEARCH Input Message – Invalid Search Part Number

```
CAM
P1SEARCH/IIC TWA/SPN 15
```

### 3.4. Rejection Message

```
CAM
S1REJECT/TWA//9006/INVALID SPN/
P1SEARCH/IIC TWA/SPN 15
```

The Central Processing Agency for the Procurement Database rejected this message because the data content for the Search Part Number (SPN) did not contain the minimum number of characters for that field.

### 3.5. P1SEARCH Input Message – Invalid Data Selection Code

```
CAM
P1SEARCH/IIC DLA/DSC P/SPN 1538m
```

### 3.6. Rejection Message

```
CAM
S1REJECT/DLA//9006/INVALID DSC/
P1SEARCH/IIC DLA/DSC P/SPN 1538m
```

The Central Processing Agency for the Procurement Database rejected this message because the data content for the Data Selection Code (DSC) was not a valid code.

## 4. Command Code – P1DISUPD

### 4.1. P1DISUPD Input Message – Invalid Command Code

```
CAM
```



---

```
P1DISUPT/SPL 81205/  
CHG R/PCC P01/CCC C01/DPC 2000/DED 010898
```

## 4.2. Rejection Message

```
CAM  
S1REJECT//81205/0001/invalid command code/  
P1DISUPT/SPL 81205/  
CHG R/PCC P01/CCC C01/DPC 2000/DED 010898
```

The Central Processing Agency for the Procurement Database rejected this message because the Command Code is not recognized as a valid SPEC2000 Command Code.

## 4.3. P1DISUPD Input Message – Security Violation

```
CAM  
P1DISUPD/SPL 81205/  
CHG R/PCC P01/CCC C01/DPC 2000/DED 010898
```

## 4.4. Rejection Message

```
CAM  
S1REJECT//81205/2512/SECURITY VIOLATION/  
P1DISUPD/SPL 81205/  
CHG R/PCC P01/CCC C01/DPC 2000/DED 010898
```

The Central Processing Agency for the Procurement Database rejected this message because the supplier has input an incorrect security Access Code (ACC).

## 4.5. P1DISUPD Input Message – Invalid Discount Effective Date

```
CAM  
P1DISUPD/SPL 81205/  
CHG R/PCC P01/CCC C01/DPC 2000/DED 071598
```

## 4.6. Rejection Message

```
CAM  
S1REJECT//81205/2506/INVALID DED/  
P1DISUPD/SPL 81205/  
CHG R/PCC P01/CCC C01/DPC 2000/DED 071598
```

The Central Processing Agency for the Procurement Database rejected this message because the Discount Effective Date (DED) is not in the proper format.

## 5. Command Code – P1DISINQ

### 5.1. P1DISINQ Input Message – Invalid Command Code

```
CAM  
P1DSINQ/IIC 81205
```

### 5.2. Rejection Message

```
CAM  
S1REJECT//81205/0001/INVALID COMMAND CODE  
P1DSINQ/IIC 81205
```

The Central Processing Agency for the Procurement Database rejected this message because the Command Code is not recognized as a valid SPEC2000 Command Code.

### 5.3. P1DISINQ Input Message – Unknown TEI

```
CAM  
P1DISINQ/ICC 81205
```

## 5.4. Rejection Message

```
CAM
S1REJECT//81205/2405/UNKNOWN TEI ICC/
P1DISINQ/ICC 81205
```

The Central Processing Agency for the Procurement Database rejected this message because ICC is not recognized as a valid SPEC2000 TEI (the correct TEI for the Inquirer Identification Code is IIC).

## 5.5. P1DISINQ Input Message – Unauthorized User

```
CAM
P1DISINQ/IIC 12345
```

## 5.6. Rejection Message

```
CAM
S1REJECT//81205/2411/UNAUTHORIZED USER/
P1DISINQ/IIC 12345
```

The Central Processing Agency for the Procurement Database rejected this message because the inquirer code (12345) used in the input message is not recognized as a valid Procurement database supplier. An “Unauthorized User” rejection could also result from a message that contains a valid Procurement Supplier Code but was sent from an invalid SITA or ARINC address (one not previously identified to the system administrator).

## 6. Command Code - S1STOCKS

### 6.1. S1STOCKS Input Message - Invalid Command Code

```
CAM
S1STOCKS/IBA/4975125-1
```

### 6.2. Rejection Message

```
CAM
S1REJECT/IBA/88277/0001/INVALID COMMAND CODE/
S1STOCKS/IBA/4975125-1
```

The supplier does not recognize the Command Code of S1STOCKS, therefore, the request is rejected.

### 6.3. S1STOCKS Input Message - Unavailable Command Code

```
CAM
S1STOCKS/AZC/5763200
```

### 6.4. Rejection Message

```
CAM
S1REJECT/AZC/81205/0102/UNAVAILABLE COMMAND CODE/
S1STOCKS/AZC/5763200
```

The supplier's system has not been programmed to accept an S1STOCKS message. Therefore, a rejection is sent to the customer. The customer would then have to telephone the supplier to receive stock availability information.

### 6.5. S1STOCKS Input Message - Unknown TEI

```
CAM
S1STOCKS/SRA25/95-1/MRR 81205
```

### 6.6. Rejection Message

```
CAM
S1REJECT/SRA25/81205/0105/UNKNOWN TEI MRR/
```

The supplier has rejected the stock available request because TEI for Manufacturer Code (MFR) is misspelled.

### 6.6.1.1 XML Representation (S1ASQINQ) of the S1STOCKS Rejection Message

The rejection of an S1STOCKS message is indicated by using Message Type = "Reject" in the Header of the XML representation (S1ASQINQ). Please note that there is an attribute of "Reject" required to define that this is a rejection of the S1STOCKS (S1ASQINQ) message.

```

HTTP/1.1 200 OK
Content-ID:          SPEC2000
Content-Length: 241
Content-Type: application/xml; charset="utf-8"
Service-Type: S1ASQINQ
Message-Type: Reject
Version: 1.0

<?xml version="1.0" encoding="UTF-8"?>
<SPEC2000 xmlns="www.spec2000.org/v1/slasqinq" Version="1.0"
ServiceType="S1ASQINQ" MessageType="Reject">

<!DOCTYPE S1ASQINQ SYSTEM "www.spec2000.com/XML/S1ASQINQ 1 0.dtd">
<S1ASQINQ>
  <SPEC HDR>
    <S1REJECT>
      <CCD>S1STOCKS</CCD>
      <CIC>UAS</CIC>
      <SPL>96906</SPL>
      <OLE>0200</OLE>
      <OLT>The specified customer-code is unknown to our system.</OLT>
    </S1REJECT>
  </SPEC HDR>
  <S1ASQINQcmd>
    <CCD>S1STOCKS</CCD>
    <CIC>UAS</CIC>
    <S1ASQINQ_PNR_MFR>
      <PNR>MS28889-2</PNR>
      <MFR>96906</MFR>
    </S1ASQINQ_PNR_MFR>
    <ACK>3h3245bn3458hkjhk</ACK>
  </S1ASQINQcmd>
</S1ASQINQ>

```

## 6.7. S1STOCKS Input Message - Multiple Part Numbers

```

CAM
S1STOCKS/TW/95-1
ABA7501

```

## 6.8. Rejection Message

```

CAM
S1REJECT/TW/07482/0106/INVALID CUST TW/
S1STOCKS/TW/95-1
S1REJECT/TW/07482/INVALID CUST TW/
S1STOCKS/TW/ABA7501

```

The supplier is rejecting the stock available request due to the Customer Identification Code being two positions. The minimum quantity for the Customer Identification Code is three positions. Since two part numbers were referenced on the S1STOCKS request, two S1REJECT messages would be returned. The recipient of the rejection message would then retransmit the message for both part numbers using a proper Customer Identification Code.

## 7. Command Code - S1QUOTES

## 7.1. S1QUOTES Input Message - Invalid Data Field

```
CAM
S1QUOTES/DLA/87501/
ABF5503/EAA/15
```

## 7.2. Rejection Message

```
CAM
S1REJECT/DLA/88277/0406/INVALID UNIT OF MEASURE/
S1QUOTES/DLA/87501/
ABF5503/EAA/15
```

The Unit of Measure Code is a two-character field. "EAA" should have been "EA" and caused the rejection.

## 7.3. S1QUOTES Input Message - Multiple Item Quote, All Rejected

```
CAM
S1QUOTES/SRA25/87-501/
ABA2201/EA/2/MFR 892264
APA4906/EA/5/SSH 28107
```

## 7.4. Rejection Message

```
CAM
S1REJECT/SRA25/81205/0406/INVALID MANUFACTURER CODE/
S1QUOTES/SRA25/87-501/
ABA2201/EA/2/MFR 892264
S1REJECT/SRA25/81205/0405/UNKNOWN TEI SSH 28107/
S1QUOEST/SRA25/87-501/
APA4906/EA/5/SSH 28107
```

In this example both items in the quotation request were rejected. The customer would correct the MFR in the first item and the TEI for Specified Shipping Date (SSD) in the second item and retransmit the quotation request.

## 7.5. S1QUOTES Input Message - Multiple Item Quote, Partial Reject

```
CAM
S1QUOTES/TWA/428975/
ZC67-1/EA/100/MFR 225566
ACAB55-1/EA/150
998751-1/EA/20B
```

## 7.6. Rejection Message

```
CAM
S1QUOTES/TWA/428975/ACAB55-1/
REM WILL ADVISE 23037
S1REJECT/TWA/36759/0406/INVALID MANUFACTURER CODE/
S1QUOTES/TWA/428975/
ZC67-1/EA/100/MFR 225566
S1REJECT/TWA/36759/0406/INVALID QUOTATION QUANTITY/
S1QUOTES/TWA/428975/
998751-1/EA/20B
```

The customer requested a price quotation for three part numbers. Errors were detected in the first and third Part Number records.

The response to the customer is the interim response (for Part Number ACAB55-1 indicating the supplier is processing the request) followed by two S1REJECT commands.

The customer would correct the MFR for Part Number ZC67-1 and the Quotation Quantity for Part Number 998751-1 and retransmit the S1QUOTES command for only those two part numbers.

This example could result in the customer receiving at least two different quote numbers. One quote number could be

assigned for ACAB55-1 and a different number assigned for the two part numbers which were retransmitted.

## Appendix 7. SPEC2000 to 200 Output File Conversion

The data sort will be supplier, then Part Number.

The basic Spec 200 record will be output if one of the following fields change. Following each data element are the rules, if applicable for converting the data. The first three positions of the record is transaction code. If only one record is to be generated, which is the case for everything except RPD data, Overlength Part Number, price over 7 positions, procurement planning discount over two positions and replacing source of supply. These five conditions will be covered in another portion of the document.

**Table A7.1. Basic Record Layout**

Col	Type	Data Element	200 Output Rules	Field Length
1 - 3	A/N	Transaction Code	If the Change Code is N, T, or A, the trans code will be 1J1. If the Change Code is R, the trans code will be 1J3. If the Change Code is D, the trans code will be 1J6.	3
4 - 8	A/N	Supplier Code	Output SPEC2000 data	5
9 -13	N	Price Effective Date	Convert date to 5 positions DDMMYY	5
14	N	Currency Code	Convert three position interntional Currency Code to 1 position spec 200 Currency Code.	1
15	N	Price Condition	If there is a PBP TEI then output 1. If there is an MSQ TEI then output a 2. Everything else, output zero.	1
16-17	A/N	Aircraft System	If resident on central data base, output to tape. If not there, output dash dash (--).	2
18-28	Blank	Reserved Field	Always blanks	11
29-43	A/N	Part Number	Output SPEC2000 data	15
44-51	A/N	Keyword	Output SPEC2000 data	8
52	N	Packaging Code	If resident on central data base, output to tape. If not there output zero.	
53	N	Proprietary Code	If resident on central data base, output to tape. If not there, if the supplier and manufacturer are the same - output a 3. If not the same, output a 2. For both conditions, if there is a replacing source of supply, output a 7.	1
54-58	A/N	Manufacturer Code	Output SPEC2000 data	5
59-60	A	Unit of Measure	Output SPEC2000 data	2
61-67	N	Unit Price Amount	If price is 7 positions or less, output SPEC2000 data. If greater than 7, output 7 zeros and see overflow price instructions.	7

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<b>Col</b>	<b>Type</b>	<b>Data Element</b>	<b>200 Output Rules</b>	<b>Field Length</b>
68-69	N	Discount	If resident on the data base and two positions, output to tape. If greater than two positions, see overflow discount instructions. If not there, output zero zero.	2
70-74	N	Minimum Sales Quantity	Output SPEC2000 data or five zeros.	5
75-77	N	Standard Package Quantity	Output SPEC2000 data or three zeros.	3
78-80	N	Lead Time	Output SPEC2000 data	3

## **A7-1. Multiple Record Output**

When more than one record is required, which is the case with replacement part data, overlength price, overlength procurement planning discount and Overlength Part Number, the transaction code and position 53 (sequence counter) lets the recipient know the sequence of the records and when the last record is reached. When a second record is generated, the second position of the transaction code is always an R. If this is the last record, then the third position of the transaction code becomes a numeric. For example, if the basic record was coded as a 1J1, if there was a second record, the transaction code for the basic record would be a 1JJ. The alpha in the third positions tells the recipient there is another record to follow. The second record would be coded as 1R1 if it was the last record and position 53 would be a 1. The R indicates it is a second record, the numeric in the last positions shows it is the last record. If there was a third record, the first record is coded 1JJ, the second record is a 1RJ and the sequence counter is 1, and the third record is 1R1 and the sequence counter is 2. This information is critical as the data must be transmitted on the output tape in this sequence. Fortunately, there are only a few conditions where this will happen.



## A7-2. Overlength Part Number - OPN TEI

When the Overlength Part Number TEI is added or changed, three records will have to be output to the tape if the Overlength Part Number is greater than 23 positions. If 23 or less, than only two records will be required. The basic card information is identical to a single record with the exception of the transaction code.

**Table A7-2.1. Basic Record Layout**

Col	Type	Data Element	200 Output Rules	Field Length
1 - 3	A/N	Transaction Code	If the Change Code is N, T, or A, the trans code will be 1JJ. If the Change Code is R, the trans code will be 1JL.	3
4 - 8	A/N	Supplier Code	Output SPEC2000 data	5
9 -13	N	Price Effective Date	Convert date to 5 positions DDMMYY	5
14	N	Currency Code	Convert three position interntional Currency Code to 1 position spec 200 Currency Code.	1
15	N	Price Condition	If there is a PBP TEI then output 1. If there is an MSQ TEI then output a 2. Everything else, output zero.	1
16-17	A/N	Aircraft System	If resident on central data base, output to tape. If not there, output dash dash (--).	2
18-28	Blank	Reserved Field	Always blanks	11
29-43	A/N	Part Number	Output SPEC2000 data	15
44-51	A/N	Keyword	Output SPEC2000 data	8
52	N	Packaging Code	If resident on central data base, output to tape. If not there output zero.	
53	N	Proprietary Code	If resident on central data base, output to tape. If not there, if the supplier and manufacturer are the same - output a 3. If not the same, output a 2. For both conditions, if there is a replacing source of supply, output a 7.	1
54-58	A/N	Manufacturer Code	Output SPEC2000 data	5
59-60	A	Unit of Measure	Output SPEC2000 data	2
61-67	N	Unit Price Amount	If price is 7 positions or less, output SPEC2000 data. If greater than 7, output 7 zeros and see overflow price instructions.	7
68-69	N	Discount	If resident on the data base and two positions, output to tape. If greater than two positions, see overflow discount instructions. If not there, output zero zero.	2
70-74	N	Minimum Sales Quantity	Output SPEC2000 data or five zeros.	5

Col	Type	Data Element	200 Output Rules	Field Length
75-77	N	Standard Package Quantity	Output SPEC2000 data or three zeros.	3
78-80	N	Lead Time	Output SPEC2000 data	3

## 1. Second Record - OPN

Positions 1 thru 51 on the second record are identical to the basic record with the exception of transaction code.

**Table A7-2.2. Second Record Layout - OPN**

Col	Type	Data Element	200 Output Rules	Field Length
1 - 3	A/N	Transaction Code	If the Change Code is N, T, or A, the trans code will be 1RJ if the OPN is greater than 23. If less than 23, the trans code will be 1R1. If the Change Code is R, the trans code will be 1RL if the OPN is greater than 23. If less than 23, the trans code will be 1R3.	3
4 - 8	A/N	Supplier Code	Output SPEC2000 data	5
9 -13	N	Price Effective Date	Convert date to 5 positions DDMMYY	5
14	N	Currency Code	Convert three position interntional Currency Code to 1 position spec 200 Currency Code.	1
15	N	Price Condition	If there is a PBP TEI then output 1. If there is an MSQ TEI then output a 2. Everything else, output zero.	1
16-17	A/N	Aircraft System	If resident on central data base, output to tape. If not there, output dash dash (--).	2
18-28	Blank	Reserved Field	Always blanks	11
29-43	A/N	Part Number	Output SPEC2000 data	15
44-51	A/N	Keyword	Output SPEC2000 data	8
52	A/N	Blank field	Blank field	1
53	N	Sequence Counter	Output the number 1.	1
54-80	A/N	Note Field	Output the literal OPN followed by a space and the first 23 positions of the Overlength Part Number.	27

## 2. Third Record - OPN

**Table A7-2.3. Third Record Layout - OPN**

## 2. Third Record - OPN

*Table A7-2.3. Third Record Layout - OPN*

Col	Type	Data Element	200 Output Rules	Field Length
1 - 3	A/N	Transaction Code	If the Change Code is N, T, or A, the trans code will be 1R1. If the Change Code is R, the trans code will be 1R3.	3
4 - 8	A/N	Supplier Code	Output SPEC2000 data	5
9 -13	N	Price Effective Date	Convert date to 5 positions DDMMYY	5
14	N	Currency Code	Convert three position international Currency Code to 1 position spec 200 Currency Code.	1
15	N	Price Condition	If there is a PBP TEI then output 1. If there is an MSQ TEI then output a 2. Everything else, output zero.	1
16-17	A/N	Aircraft System	If resident on central data base, output to tape. If not there, output dash dash (--).	2
18-28	Blank	Reserved Field	Always blanks	11
29-43	A/N	Part Number	Output SPEC2000 data	15
44-51	A/N	Keyword	Output SPEC2000 data	8
52	A/N	Blank field	Blank field	1
53	N	Sequence Counter	Output the number 2	1
54-80	A/N	Note Field	Output the position 24 thru 26 of the overlength Part Number on the data base.	27



## A7-3. Price Field Greater Than 7 Positions or Discount Greater Than 2 or Both

When the price field is added or changed and is greater than 7 positions, two records will be output to the tape. Since the note field on the second record is 27 positions, the discount field if it is added or changed, can also be included on this record. The basic record is the same with the exception of the transaction code.

**Table A7-3.1. Basic Record Layout**

Col	Type	Data Element	200 Output Rules	Field Length
1 - 3	A/N	Transaction Code	If the Change Code is N, T, or A, the trans code will be 1JJ. If the Change Code is R, the trans code will be 1JL.	3
4 - 8	A/N	Supplier Code	Output SPEC2000 data	5
9 -13	N	Price Effective Date	Convert date to 5 positions DDMMYY	5
14	N	Currency Code	Convert three position interntional Currency Code to 1 position spec 200 Currency Code.	1
15	N	Price Condition	If there is a PBP TEI then output 1. If there is an MSQ TEI then output a 2. Everything else, output zero.	1
16-17	A/N	Aircraft System	If resident on central data base, output to tape. If not there, output dash dash (--).	2
18-28	Blank	Reserved Field	Always blanks	11
29-43	A/N	Part Number	Output SPEC2000 data	15
44-51	A/N	Keyword	Output SPEC2000 data	8
52	N	Packaging Code	If resident on central data base, output to tape. If not there output zero.	
53	N	Proprietary Code	If resident on central data base, output to tape. If not there, if the supplier and manufacturer are the same - output a 3. If not the same, output a 2. For both conditions, if there is a replacing source of supply, output a 7.	1
54-58	A/N	Manufacturer Code	Output SPEC2000 data	5
59-60	A	Unit of Measure	Output SPEC2000 data	2
61-67	N	Unit Price Amount	If price is 7 positions or less, output SPEC2000 data. If greater than 7, output 7 zeros.	7
68-69	N	Discount	If resident on the data base and two positions, output to tape. If greater than two positions, output zero zero.	2
70-74	N	Minimum Sales Quantity	Output SPEC2000 data or five zeros.	5

Col	Type	Data Element	200 Output Rules	Field Length
75-77	N	Standard Package Quantity	Output SPEC2000 data or three zeros.	3
78-80	N	Lead Time	Output SPEC2000 data	3

## 1. Second Record - Overlength Price

Positions 1 thru 51 on the second record are identical to the basic record with the exception of transaction code.

**Table A7-3.2. Second Record Layout**

Col	Type	Data Element	200 Output Rules	Field Length
1 - 3	A/N	Transaction Code	If the Change Code is N, T, or A, the trans code will be 1R1. If the Change Code is R, the trans code will be 1R3.	3
4 - 8	A/N	Supplier Code	Output SPEC2000 data	5
9 -13	N	Price Effective Date	Convert date to 5 positions DDMMYY	5
14	N	Currency Code	Convert three position interntional Currency Code to 1 position spec 200 Currency Code.	1
15	N	Price Condition	If there is a PBP TEI then output 1. If there is an MSQ TEI then output a 2. Everything else, output zero.	1
16-17	A/N	Aircraft System	If resident on central data base, output to tape. If not there, output dash dash (--).	2
18-28	Blank	Reserved Field	Always blanks	11
29-43	A/N	Part Number	Output SPEC2000 data	15
44-51	A/N	Keyword	Output SPEC2000 data	8
52	A/N	Blank field	Blank field	1
53	N	Sequence Counter	Output the number 1.	1
54-80	A/N	Note Field	If only Unit Price Amount field is greater than 7 positions, output the literal UNP followed by a space and the full price field. If only discount is greater than 2 positions, output the literal PDP followed by a space and the full Procurement Discount Percent field. If both conditions exist, output the literal UNP followed by a space and the full price field followed by a space and then the literal PDP followed by a space and the full procurement planning discount field.	27

## A7-4. Replacing Source of Supply

If the Replacing Source of Supply field is added or changed, then two records will be output to the tape. The basic record is the same with the exception of the transaction code.

**Table A7-4.1. Basic Record Layout**

Col	Type	Data Element	200 Output Rules	Field Length
1 - 3	A/N	Transaction Code	If the Change Code is N, T, or A, the trans code will be 1JJ. If the Change Code is R, the trans code will be 1JL.	3
4 - 8	A/N	Supplier Code	Output SPEC2000 data	5
9 -13	N	Price Effective Date	Convert date to 5 positions DDMMYY	5
14	N	Currency Code	Convert three position interntional Currency Code to 1 position spec 200 Currency Code.	1
15	N	Price Condition	If there is a PBP TEI then output 1. If there is an MSQ TEI then output a 2. Everything else, output zero.	1
16-17	A/N	Aircraft System	If resident on central data base, output to tape. If not there, output dash dash (--).	2
18-28	Blank	Reserved Field	Always blanks	11
29-43	A/N	Part Number	Output SPEC2000 data	15
44-51	A/N	Keyword	Output SPEC2000 data	8
52	N	Packaging Code	If resident on central data base, output to tape. If not there output zero.	
53	N	Proprietary Code	If resident on central data base, output to tape. If not there, if the supplier and manufacturer are the same - output a 3. If not the same, output a 2. For both conditions, if there is a replacing source of supply, output a 7.	1
54-58	A/N	Manufacturer Code	Output SPEC2000 data	5
59-60	A	Unit of Measure	Output SPEC2000 data	2
61-67	N	Unit Price Amount	If price is 7 positions or less, output SPEC2000 data. If greater than 7, output 7 zeros and see overflow price instructions.	7
68-69	N	Discount	If resident on the data base and two positions, output to tape. If greater than two positions, output zero zero and see overflow discount instructions. If not there, output zero zero.	2
70-74	N	Minimum Sales Quantity	Output SPEC2000 data or five zeros.	5

Col	Type	Data Element	200 Output Rules	Field Length
75-77	N	Standard Package Quantity	Output SPEC2000 data or three zeros.	3
78-80	N	Lead Time	Output SPEC2000 data	3

## 1. Second Record - Replacing Source of Supply

Positions 1 thru 51 on the second record are identical to the basic record with the exception of transaction code.

**Table A7-4.2. Second Record Layout**

Col	Type	Data Element	200 Output Rules	Field Length
1 - 3	A/N	Transaction Code	If the Change Code is N, T, or A, the trans code will be 1R1. If the Change Code is R, the trans code will be 1R3.	3
4 - 8	A/N	Supplier Code	Output SPEC2000 data	5
9 -13	N	Price Effective Date	Convert date to 5 positions DDMMYY	5
14	N	Currency Code	Convert three position International Currency Code to 1 position Spec 200 Currency Code.	1
15	N	Price Condition	If there is a PBP TEI then output 1. If there is an MSQ TEI then output a 2. Everything else, output zero.	1
16-17	A/N	Aircraft System	If resident on central data base, output to tape. If not there, output dash dash (--).	2
18-28	Blank	Reserved Field	Always Blank.	11
29-43	A/N	Part Number	Output SPEC2000 data.	15
44-51	A/N	Keyword	Output SPEC2000 data.	8
52	A/N	Blank field	Always output blanks.	1
53	N	Sequence Counter	Output the number 1.	1
54-80	A/N	Note Field	Output to tape the literal RSS followed by a space then the first five position code followed by a space, the next five position code followed by a space, the next five positions followed by a space, and the fourth five position code. There can be five replacing source of supply field. Only output four.	



## A7-5. Price Break - Quantity and Amount Text

When Price Break - Quantity and Amount Text is added, changed, or deleted, a minimum of two records or a maximum of ten records will be output on the tape. The basic record is the same with the exception of the transaction code.

**Table A7-5.1. Basic Record Layout**

Col	Type	Data Element	200 Output Rules	Field Length
1 - 3	A/N	Transaction Code	If the Change Code is N, T, or A, the trans code will be 1JJ. If the Change Code is R, the trans code will be 1JL.	3
4 - 8	A/N	Supplier Code	Output SPEC2000 data	5
9 -13	N	Price Effective Date	Convert date to 5 positions DDMMYY	5
14	N	Currency Code	Convert three position International Currency Code to 1 position Spec 200 Currency Code.	1
15	N	Price Condition	If there is a PBP TEI then output 1. If there is an MSQ TEI then output a 2. Everything else, output zero.	1
16-17	A/N	Aircraft System	If resident on central data base, output to tape. If not there, output dash dash (--).	2
18-28	Blank	Reserved Field	Always blanks	11
29-43	A/N	Part Number	Output SPEC2000 data	15
44-51	A/N	Keyword	Output SPEC2000 data	8
52	N	Packaging Code	If resident on central data base, output to tape. If not there output zero.	
53	N	Proprietary Code	If resident on central data base, output to tape. If not there, if the supplier and manufacturer are the same - output a 3. If not the same, output a 2. For both conditions, if there is a replacing source of supply, output a 7.	1
54-58	A/N	Manufacturer Code	Output SPEC2000 data	5
59-60	A	Unit of Measure	Output SPEC2000 data	2
61-67	N	Unit Price Amount	If price is 7 positions or less, output SPEC2000 data. If greater than 7, output 7 zeros and see overflow price instructions.	7
68-69	N	Discount	If resident on the data base and two positions, output to tape. If greater than two positions, output zero zero and see overflow discount instructions. If not there, output zero zero.	2
70-74	N	Minimum Sales Quantity	Output SPEC2000 data or five zeros.	5

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<b>Col</b>	<b>Type</b>	<b>Data Element</b>	<b>200 Output Rules</b>	<b>Field Length</b>
75-77	N	Standard Package Quantity	Output SPEC2000 data or three zeros.	3
78-80	N	Lead Time	Output SPEC2000 data	3

## 1. Second Record

Positions 1 thru 51 on the second record are identical to the basic record with the exception of transaction code.

**Table A7-5.2. Second Record Layout**

Col	Type	Data Element	200 Output Rules	Field Length
1 - 3	A/N	Transaction Code	If the Change Code is N, T, or A, the trans code will be 1R1. If the Change Code is R, the trans code will be 1R3.	3
4 - 8	A/N	Supplier Code	Output SPEC2000 data	5
9 -13	N	Price Effective Date	Convert date to 5 positions DDMMYY	5
14	N	Currency Code	Convert three position International Currency Code to 1 position Spec 200 Currency Code.	1
15	N	Price Condition	If there is a PBP TEI then output 1. If there is an MSQ TEI then output a 2. Everything else, output zero.	1
16-17	A/N	Aircraft System	If resident on central data base, output to tape. If not there, output dash dash (--).	2
18-28	Blank	Reserved Field	Always blank.	11
29-43	A/N	Part Number	Output SPEC2000 data.	15
44-51	A/N	Keyword	Output SPEC2000 data.	8
52	A/N	Blank Field	Always output blanks.	1
53	N	Sequence Counter	Output the number 1.	1
54-56	A	Price Break - Quantity and Amount Text	Output to tape the literal PQA	3
57	A	Blank Field	Always output blanks.	1
58-62	N	Quantity	Output SPEC2000 data	5
63	A/N	Blank Field	Always output blanks.	1
64-75	N	Unit Price Amount	Output SPEC2000 data.	12
76-80	A/N	Blank Field	Always output blanks.	5

## A7-6. Replacing Part Data - RPD TEI

When replacing part data is added, changed, or deleted, depending upon the condition of the Replacing Part Data Text, a minimum of two records or a maximum of ten records will be output on the tape. The basic record information is identical to a single record with the exception of the transaction code. Also note, with RPD data, the first position of the trans code is 2.

**Table A7-6.1. Basic Record Layout**

Col	Type	Data Element	200 Output Rules	Field Length
1 - 3	A/N	Transaction Code	If the Change Code is N, T, or A, the trans code will be 2JJ. If the Change Code is R, the trans code will be 2JL.	3
4 - 8	A/N	Supplier Code	Output SPEC2000 data	5
9 -13	N	Price Effective Date	Convert date to 5 positions DDMMYY	5
14-17	A/N	Reserved Field	Always blank	4
18-28	Blank	Reserved Field	Always blanks	11
29-43	A/N	Part Number	Output SPEC2000 data	15
44-51	A/N	Keyword	Output SPEC2000 data	8
52	A/N	Blank field	Blank field	1
53-67	A/N	Replacing Part Number	Output SPEC2000 Replacing Part Number	15
67-80	A/N	Reason For Change	Output the literal SEE TRAILERS.	

## 1. Second Record - RPD

Positions 1 thru 51 on the second record are identical to the basic record with the exception of transaction code.

**Table A7-6.2. Second Record Layout**

Col	Type	Data Element	200 Output Rules	Field Length
1 - 3	A/N	Transaction Code	If the Change Code is N, T, or A, the trans code will be 2RJ. If the Change Code is R, the trans code will be 2RL.	3
4 - 8	A/N	Supplier Code	Output SPEC2000 data	5
9 -13	N	Price Effective Date	Convert date to 5 positions DDMMYY	5
14-15	A/N	Reserved Field	Always blanks.	2
16-17	A/N	Aircraft System	If resident on central data base, output to tape. If not there, output dash dash (--).	2
18-28	Blank	Reserved Field	Always blanks	11
29-43	A/N	Part Number	Output SPEC2000 data	15
44-51	A/N	Keyword	Output SPEC2000 data	8
52	A/N	Blank field	Blank field	1
53	N	Sequence Counter	Output the number 1.	1

Col	Type	Data Element	200 Output Rules	Field Length
54-80	A/N	Note Field	Output the literal RPD followed by a space, then the Replacing Part Number followed by a space, then the Manufacturer Code followed by a space and the Interchangeability Code.	27

## 2. Third Record - RPD

*Table A7-6.3. Third Record Layout*

Col	Type	Data Element	200 Output Rules	Field Length
1 - 3	A/N	Transaction Code	If the Change Code is N, T, or A, the trans code will be 2R1 if the Manufacturer Authority Text is less than 27 positions. If greater than 27 positions the trans code will be a 2RJ. If the Change Code is R, the trans code will be 2R3 if the Manufacturer Authority Text is less than 27 positions. If greater than 27 positions, the trans code will 2RL.	3
4 - 8	A/N	Supplier Code	Output SPEC2000 data	5
9 -13	N	Price Effective Date	Convert date to 5 positions DDMMYY	5
14-15	A/N	Reserved Field	Always Blanks.	2
16-17	A/N	Aircraft System	If resident on central data base, output to tape. If not there, output dash dash (--).	2
18-28	Blank	Reserved Field	Always blanks	11
29-43	A/N	Part Number	Output SPEC2000 data	15
44-51	A/N	Keyword	Output SPEC2000 data	8
52	A/N	Blank field	Blank field	1
53	N	Sequence Counter	Output the number 2	1
54-80	A/N	Note Field	Output the first 27 positions of the Manufacturer Authority Text field.	27

## 3. Fourth Record - RPD

*Table A7-6.4. Fourth Record Layout*

Col	Type	Data Element	200 Output Rules	Field Length
-----	------	--------------	------------------	--------------

*ATA SPEC2000 E-Business Specification for Materiels Management*

<b>Col</b>	<b>Type</b>	<b>Data Element</b>	<b>200 Output Rules</b>	<b>Field Length</b>
1 - 3	A/N	Transaction Code	If the Change Code is N, T, or A, the trans code will be 2R1. If the Change Code is R, the trans code will be 2R3.	3
4 - 8	A/N	Supplier Code	Output SPEC2000 data	5
9 -13	N	Price Effective Date	Convert date to 5 positions DDMMYY	5
14-15	A/N	Reserved Field	Always Blanks.	2
16-17	A/N	Aircraft System	If resident on central data base, output to tape. If not there, output dash dash (--).	2
18-28	Blank	Reserved Field	Always blanks	11
29-43	A/N	Part Number	Output SPEC2000 data	15
44-51	A/N	Keyword	Output SPEC2000 data	8
52	A/N	Blank field	Blank field	1
53	N	Sequence Counter	Output the number 3	1
54-80	A/N	Note Field	Output the balance of the Manufacturer Authority Text field.	27

## **A7-7. RPD Data with Remarks**

Any of the preceding conditions could apply and the record could also contain remarks. For each 27 positions of the remarks field,a new note record will have to be output. The third position of the transaction code will remain alpha until the last note record.The transaction code will then be numeric. For each note record,add 1 to the sequence counter (position 53). When 9 is reached,discontinue processing. Do not output the balance of the remarks data.

## **A7-8. Creation of Outbound Tapes**

In order to create an outbound airline tape, the following checks are performed:

Only updates to the data base since the previous month's end will be included.

Sort will be Supplier, then Part Number (EBCDIC).

On a record by record basis, three checks are required before a record can be written to tape.

1. The Supplier Code on the record is compared (on the Part Number information view matrix) to the data recipient's viewing rights for which the tape is being built. If the supplier has not given consent for the data recipient to view the material (or if the data recipient has elected not to receive the supplier's material), the record is not written to the tape. If the supplier has given consent (and the data recipient has elected to receive the information) the next check is performed.
2. The Model of Applicability field on the record is compared to the fleet information of the data recipient. If there is no match on the Model of Applicability Code, the record is not written to tape. If the Model of Applicability Code is ALL or MOA ZZ99 for the record, or if there is a match between Model of Applicability and fleet information, the next check is made.

If the specified format for the data recipient is Spec 200, the record (having passed all checks) is then converted to Spec 200 format and written to the tape.



## **A7-9. Tape Specifications**

Mode - 9 Track, 1600 bpi

Blocking Factor 80 X 20

Header or Trailer Labels - None

Tape Marks - Following Data

## **A7-10. Exterior Label**

Spec 200 Recipient

From: Continental Graphics Inc.

Format: Spec 200

Density: 1600 bpi

Blocking: 80 X 20

## Appendix 9. Data Element Usage

The table on the following pages indicates the SPEC2000 chapters where each data element is used, including the particular Record Types and Command Codes. Record types are indicated by the Record Type Code as listed below:

<b>Record Type Code</b>	<b>Definition</b>
01	S/T File Provisioning Header Record (HR)
02	S/T File Provisioning Part Number Record Fixed (PNRF)
03	S/T File Provisioning Part Number Record Variable (PNRV)
04	S/T File Provisioning Application Data Record Fixed (ADRF)
05	S/T File Provisioning Application Data Record Variable (ADRV)
06	Procurement Data Header Record - Procurement Data
07	Procurement Data Part Number Record
08	Discount Matrix Table Record
11	V File Provisioning Header Record
12	V File Provisioning Data Record
16	Central Repair Data Header Record
17	Central Repair Data Part Number Record
20	Information/Data Exchange Fleet Record - Customer to Supplier
21	Information/Data Exchange Part Number Header Record - Customer to Supplier
22	Information/Data Exchange Part Number Detail Record - Customer to Supplier
23	Information/Data Exchange Header Record - Supplier to Customer
24	Information/Data Exchange Part Number Record - Supplier to Customer
26	Delivery Configuration Data Header Record To Customer
27	Delivery Configuration Data Part Number Record To Customer
28	M File Provisioning Header Record for Previously Owned Aircraft
29	M File Provisioning Detail Record for Previously Owned Aircraft
31	Procurement Contract Parts File Header Record - Supplier to Customer
32	Procurement Contract Parts File Detail Record - Supplier to Customer
99	Procurement Data Header Record - Discount Matrix Table

## A9-1. Data Element Usage By Chapter

### 1. Chapter 1

#### 1.1. Record Type Code 01 -- S/T File Provisioning Header Record (HR)

##### Data Elements

Customer Code	File Identifier Code	Model of Applicability Code
Provisioning Model Code	Record Type Code	Transmission Date
Transmission Sequence Number	Transmitter of Data Code	

#### 1.2. Record Type Code 02 -- S/T File Provisioning Part Number Record Fixed (PNRF)

##### Data Elements

Change Code	Currency Code	Discount Percent
Effective Date	End Item Manufacturer Code	End Item Part Number
Keyword Name	Lead Time	Maintenance Percent
Manufacturer Code	Mean Shop Processing Time	Part Number
Price Condition Code	Price Type Code	Proprietary Code
Recommended Quantity	Record Type Code	Scrap Rate
Shelf Life Code	Spare Part Class Code	Standard Package Quantity
Time/Cycle Code	Time/Cycles Between Overhauls	Time/Cycles Between Scheduled Shop Visits
Unit of Measure Code	Unit Price Amount	Unscheduled Removal Rate
Unscheduled Removal Rate Decimal Code		

#### 1.3. Record Type Code 03 -- S/T File Provisioning Part Number Record Variable (PNRV)

##### Data Elements

Additional Descriptive Text	Alternate Part Number	Alternate Part Number Text
Category I Container Part Number	Category I Container Part Number Text	Change Code
Control Specification or Drawing Number	Control Specification or Drawing Number Text	Electrostatic Sensitive Device Indicator
End Item Manufacturer Code	End Item Part Number	Explanation Code
Explanation Code Sequence Number	Explanation Code Text	Explanation Code Text Counter Number
From Quantity	Hazardous Material Code	Keyword Name
Local Fabrication Material Text	Manufacturer Code	Minimum Sales Quantity
Miscellaneous Text	Modified Commercial Part Number	Modified Commercial Part Number Text
Optional Part Number	Optional Part Number Text	Optional Supplier Code
Other Charge Amount	Other Charge Code	Other Charges - Code and Amount
Overlength Part Number	Part Number	Pool Item Candidate Indicator
Preferred Spare Part Number	Preferred Spare Part Number Text	Price Break - Quantity and Amount Text
Record Type Code	Revised Manufacturer Code	Selected Item Reference Part Number
Selected Item Reference Part Number Text	Thru Quantity	Unit of Measure Clarification Text

#### 1.4. Record Type Code 04 -- S/T File Provisioning Application Data Record Fixed (ADRF)

##### Data Elements

Aircraft System Code	Catalog Sequence Number	Change Code
Effectivity Range Code	Effectivity Range Code Overflow Indicator	End Item Manufacturer Code
End Item Part Number	Engine Level of Maintenance Code	Essentiality Code
Figure Number	Indenture Code	Item Number
Keyword Name	Maintenance/Overhaul/Repair Code	Manufacturer Code
Part Number	Provisioning Total Quantity	Reason for Selection Code
Record Type Code	Select from Range Indicator	Standard/Attaching Part Code
Sub-Sub-System Code	Sub-System Code	Unit/Assembly Number
Variant-Figure Number	Variant-Item Number	

#### 1.5. Record Type Code 05 -- S/T File Provisioning Application Data Record Variable (ADRV)

##### Data Elements

Aircraft System Code	Catalog Sequence Number	Change Code
Effectivity Range Code	Effectivity Range Code ('S' File Overflow)	End Item Manufacturer Code
End Item Part Number	Explanation Code	Explanation Code Sequence Number
Explanation Code Text	Explanation Code Text Counter Number	Figure Number
Item Number	Keyword Name	Manufacturer Code
Miscellaneous Text	Part Number	Part Number Change, Interchangeable as a Set - Text
Part Number Change, No Interchangeability - Text	Part Number Change, One-Way Interchangeability - Text	Part Number Change, Qualified Interchangeability - Text
Part Number Change, Two-Way Interchangeability - Text	Reason for Part Number Change - Service Bulletin Number	Reason for Part Number Change - Text
Record Type Code	Replaced Part Number	Replacing Part Number
Sub-Sub-System Code	Sub-System Code	Unit/Assembly Number
Used on Assembly Part Number Text	Variant-Figure Number	Variant-Item Number

#### 1.6. Record Type Code 11 -- V File Provisioning Header Record

##### Data Elements

Customer Code	File Identifier Code	Model of Applicability Code
Record Type Code	Tape Reel Number	Transmission Date
Transmission Sequence Number	Transmitter of Data Code	

#### 1.7. Record Type Code 12 -- V File Provisioning Data Record

##### Data Elements

Additional Descriptive Text	Aircraft System Code	Alternate Part Number
-----------------------------	----------------------	-----------------------

Alternate Part Number Text	Catalog Sequence Number	Category I Container Part Number
Category I Container Part Number Text	Change Code	Control Specification or Drawing Number
Control Specification or Drawing Number Text	Distributor Code	Effectivity Range Code
Electrostatic Sensitive Device Indicator	End Item Manufacturer Code	End Item Part Number
Engine Level of Maintenance Code	Essentiality Code	Expiration Date
Figure Number	From Quantity	Hazardous Material Code
Interchangeability Code	International Commodity Code	International Currency Code
Item Number	Keyword Name	Lead Time
Local Fabrication Material Text	Maintenance Percent	Maintenance/Overhaul/Repair Code
Manufacturer Authority Text	Manufacturer Code	Mean Shop Processing Time
Minimum Sales Quantity	Miscellaneous Text	Modified Commercial Part Number
Modified Commercial Part Number Text	Optional Part Number	Optional Part Number Text
Optional Supplier Code	Other Charge Amount	Overlength Part Number
Part Number	Preferred Spare Part Number	Preferred Spare Part Number Text
Price Break - Quantity and Amount Text	Price Type Code	Procurement Discount Percent
Proprietary Code	Provisioning Total Quantity	Quick Engine Change Indicator
Reason for Selection Code	Recommended Quantity	Record Type Code
Replaced Part Data Text	Replaced Part Number	Replacing Part Data Text
Replacing Part Number	Revised Manufacturer Code	Scrap Rate
Segment Identifier	Select from Range Indicator	Selected Item Reference Part Number
Selected Item Reference Part Number Text	Shelf Life Code	Spare Part Class Code
Standard Package Quantity	Standard/Attaching Part Code	Sub-Sub-System Code
Sub-System Code	Supplier Code	Thru Quantity
Time/Cycle Code	Time/Cycles Between Scheduled Shop Visits	Time/Cycles Between Scheduled Shop Visits Text
Total Quantity per Aircraft/Engine	Total Quantity per Component End Item	Unit of Measure Clarification Text
Unit of Measure Code	Unit Price Amount	Unit/Assembly Number
Unscheduled Removal Rate	Unscheduled Removal Text	Used on Assembly Part Number Text
Variant-Figure Number	Variant-Item Number	

### **1.8. Record Type Code 28 -- M File Provisioning Header Record for Previously Owned Aircraft**

**Data Elements**

Aircraft Identification Number	Customer Code	File Identifier Code
Model of Applicability Code	Part Serial Number	Record Type Code
Transmission Date	Transmitter of Data Code	

### **1.9. Record Type Code 29 -- M File Provisioning Detail Record for Previously Owned Aircraft**

**Data Elements**

Catalog Sequence Number	Essentiality Code	Keyword Name
Maintenance/Overhaul/Repair Code	Manufacturer Code	Overlength Part Number

Part Number	Record Type Code	Spare Part Class Code
Time/Cycle Code	Total Quantity per Aircraft/Engine	Unit of Measure Code
Unscheduled Removal Rate	Unscheduled Removal Rate Decimal Code	

## 2. Chapter 2

### 2.1. Record Type Code 06 -- Procurement Data Header Record - Procurement Data

#### Data Elements

Delete Control Date	Record Type Code	Security Code
Supplier Code	Tape or File Recipient Code	Transmission Date
Transmission Type Code		

### 2.2. Record Type Code 07 -- Procurement Data Part Number Record

#### Data Elements

Aircraft System Code	Alternate Supply Location Text	Category I Container Price Amount
Change Code	Hazardous Material Code	International Commodity Code
International Currency Code	Keyword Name	Lead Time
Manufacturer Code	Minimum Sales Quantity	Model of Applicability Code
Original Equipment Manufacturer Code	Original Equipment Manufacturer Data Text	Original Equipment Manufacturer Part Number
Other Charges - Code and Amount	Overlength Part Number	Packaging Code
Part Number	Price Break - Quantity and Amount Text	Price Effective Date
Price Held Firm - Date	Procurement Discount Percent	Product Category Code
Proprietary Code	Record Type Code	Remarks Text
Replacing Part Data Text	Replacing Source of Supply Code	Standard Package Quantity
Supplier Claimed Status Code	Supplier Code	Unit of Measure Clarification Text
Unit of Measure Code	Unit Price Amount	

### 2.3. Record Type Code 08 -- Discount Matrix Table Record

#### Data Elements

Change Code	Customer Category Code	Discount Effective Date
Discount Percent Code	Product Category Code	Record Type Code
Supplier Code		

### 2.4. Record Type Code 31 -- Procurement Contract Parts File Header Record - Supplier to Customer

#### Data Elements

Contract Number	Other Charges - Code and Amount	Price Held Firm - Date
Record Type Code	Supplier Code	Transmission Date

Transmission Type Code

## 2.5. Record Type Code 32 -- Procurement Contract Parts File Detail Record - Supplier to Customer

### Data Elements

Additional Descriptive Text	Aircraft System Code	Alternate Supply Location Text
Category I Container Price Amount	Change Code	Hazardous Material Code
International Commodity Code	International Currency Code	Keyword Name
Lead Time	Manufacturer Code	Minimum Sales Quantity
Model of Applicability Code	Other Charges - Code and Amount	Overlength Part Number
Packaging Code	Part Number	Price Break - Quantity and Amount Text
Price Effective Date	Procurement Discount Percent	Product Category Code
Proprietary Code	Record Type Code	Remarks Text
Replacing Part Data Text	Replacing Source of Supply Code	Standard Package Quantity
Supplier Claimed Status Code	Supplier Code	Unit of Measure Clarification Text
Unit of Measure Code	Unit Price Amount	

## 2.6. Record Type Code 99 -- Procurement Data Header Record - Discount Matrix Table

### Data Elements

Record Type Code	Security Code	Supplier Code
Transmission Date	Transmission Type Code	

## 2.7. Command Code P1DISINQ -- Inquiry to the Discount Matrix Tables of the Central Procurement Database

### Data Elements

Carriage Return Line Feed	Command Code	Customer Category Code
Discount Effective Date	Discount Percent Code	Inquirer Identification Code
Product Category Code	Remarks Text	

## 2.8. Command Code P1DISUPD -- Update Transaction to Discount Matrix Tables of the Central Procurement Database

### Data Elements

Access Code	Carriage Return Line Feed	Change Code
Command Code	Customer Category Code	Discount Effective Date
Discount Percent Code	Product Category Code	Supplier Code

## 2.9. Command Code P1PDINQY -- Inquiry of Part Availability in the Central Procurement Database



## Database

### Data Elements

Aircraft System Code	Airline Stock Number	Alternate Supply Location Code
Alternate Supply Location Text	Available Stock Quantity	Carriage Return Line Feed
Category I Container Price Amount	Command Code	Communication Address Text
Company Name	Condition Code	Data Selection Code
Facsimile Transmission Telephone Number	From Quantity	Hazardous Material Code
Inquirer Identification Code	Interchangeability Code	Internal Routing Code
International Commodity Code	International Currency Code	Keyword Name
Lead Time	Location Code	Manufacturer Authority Text
Manufacturer Code	Minimum Sales Quantity	Model of Applicability Code
Original Equipment Manufacturer Code	Original Equipment Manufacturer Data Text	Original Equipment Manufacturer Part Number
Other Charge Amount	Other Charge Code	Other Charges - Code and Amount
Overlength Part Number	Owner Code	Packaging Code
Part Number	Part Serial Number	Price Break - Quantity and Amount Text
Price Effective Date	Procurement Discount Percent	Proprietary Code
Remarks Text	Replacing Part Data Text	Replacing Part Number
Replacing Source of Supply Code	Standard Package Quantity	Status Indicator
Supplier Claimed Status Code	Supplier Code	Telephone Number
Thru Quantity	Unique Component Identification Number	Unit of Measure Clarification Text
Unit of Measure Code	Unit Price Amount	

## 2.10. Command Code P1SEARCH -- Part Number Search in the Central Procurement Database

### Data Elements

Carriage Return Line Feed	Command Code	Data Selection Code
Inquirer Identification Code	Keyword Name	Remarks Text
Response Part Number	Search Part Number	

## 2.11. Command Code P1UPDATE -- Update of Records on the Central Procurement Database

### Data Elements

Access Code	Aircraft System Code	Alternate Supply Location Code
Alternate Supply Location Text	Carriage Return Line Feed	Category I Container Price Amount
Change Code	Command Code	From Quantity
Hazardous Material Code	Interchangeability Code	International Commodity Code
International Currency Code	Keyword Name	Lead Time
Manufacturer Authority Text	Manufacturer Code	Minimum Sales Quantity
Model of Applicability Code	Original Equipment Manufacturer Code	Original Equipment Manufacturer Data Text
Original Equipment Manufacturer Part Number	Other Charge Amount	Other Charge Code
Other Charges - Code and Amount	Overlength Part Number	Packaging Code
Part Number	Price Break - Quantity and Amount Text	Price Effective Date
Price Held Firm - Date	Procurement Discount Percent	Product Category Code
Proprietary Code	Remarks Text	Replacing Part Data Text
Replacing Part Number	Replacing Source of Supply Code	Standard Package Quantity
Supplier Claimed Status Code	Supplier Code	Thru Quantity
Unit of Measure Clarification Text	Unit of Measure Code	Unit Price Amount

## 2.12. Command Code S1QUOTES -- Request For Quote/Response to Request For Quote

### Data Elements

Acknowledgement Number	Batch Item Identifier	Carriage Return Line Feed
Category I Container Price Amount	Certificate Date	Certificate Type
Certification Source	Command Code	Condition Code
Customer Identification Code	Discount Percent	Document Reference Indicator
Inquiry Part Number	Interchangeability Code	Internal Routing Code
International Currency Code	Keyword Name	Lead Time
Manufacture Date	Manufacturer Code	Minimum Sales Quantity
No Quote Condition Indicator	OEM Original Packaging Code	Operating Days
Part Number	Part Source Code	Price Break Price Amount
Price Break Quantity	Price Held Firm - Time	Priority Code
Quotation Date	Quotation Number	Quotation Quantity

Quotation Request Number	Reason for Part Number Change - Text	Remarks Text
Response Part Number	Shelf Life Expiration Date	Source Name
Specified Shipping Date	Standard Package Quantity	Thru Quantity
Traceability Data Indicator	Unit of Measure Code	Unit Price Amount
Universal Serial Tracking Number	Warranty Time/Cycle Count	Warranty Time/Cycle Reference Code
Work Order Number		

## 2.13. Command Code S1STOCKS -- Inventory Availability Inquiry/Advice

### Data Elements

Acknowledgement Number	Available Stock Quantity	Carriage Return Line Feed
Category I Container Price Amount	Command Code	Customer Identification Code
Discount Percent	Inquiry Part Number	Interchangeability Code
Internal Routing Code	International Currency Code	Keyword Name
Lead Time	Location Code	Manufacturer Code
Minimum Sales Quantity	Packaging Code	Part Number
Price Break Price Amount	Price Break Quantity	Reason for Part Number Change - Text
Remarks Text	Response Part Number	Standard Package Quantity
Thru Quantity	Unit of Measure Code	Unit Price Amount

## 3. Chapter 3

### 3.1. Command Code S1BOOKED -- Purchase Order/Purchase Order Change

#### Data Elements

Acknowledgement Number	Aircraft Registration Number	Batch Number
Carriage Return Line Feed	Command Code	Contract Number
Customer Identification Code	Customer Order Number	Discount Percent
Extended Value Total Amount	Internal Routing Code	International Currency Code
Last Purchase Order Number	Lease Indicator	Manufacturer Code
Order Quantity	Order Transaction Code	Packaging Code
Part Number	Point of Use Location Name	Price Break Order Count
Priority Code	Procurement Discount Percent	Purchase Order Count
Quotation Number	Remarks Text	Ship-To Code
Shipment Date Control Indicator	Specified Shipping Date	Specified Shipping Method Code
Supplier Code	Total Control Quantity	Unit of Measure Code
Unit Price Amount	VAT Registration Number	

### 3.2. Command Code S1ORDEXC -- Exception/Change to Purchase Order

#### Data Elements

Acknowledgement Number	Batch Number	Carriage Return Line Feed
Command Code	Customer Code	Customer Order Number
Decrease Quantity	Discount Percent	Increase Quantity

Interchangeability Code	International Currency Code	Manufacturer Code
Order Quantity	Packaging Code	Part Number
Procurement Discount Percent	Purchase Order Count	Remarks Text
Replacing Part Number	Scheduled Shipping Date	Supplier Code
Total Control Quantity	Unit of Measure Code	Unit Price Amount
VAT Registration Number		

### **3.3. Command Code S1PNSTAT -- Purchase Order Status Inquiry/Response by Part Number**

#### **Data Elements**

Acknowledgement Number	Balance Quantity	Bill of Lading Number
Carriage Return Line Feed	Command Code	Customer Identification Code
Customer Order Number	Internal Routing Code	International Currency Code
Invoice Date	Invoice Number	Keyword Name
Manufacturer Code	Order Quantity	Order Receipt Date
Part Number	Reason for Part Number Change - Text	Release Date
Release Quantity	Remarks Text	Response Part Number
Scheduled Shipping Date	Ship-To Code	Shipment Quantity
Shipped Date	Specified Shipping Date	Specified Shipping Method Code
Unit of Measure Code	Unit Price Amount	

### **3.4. Command Code S1POSTAT -- Purchase Order Status Inquiry/Response by Order Number**

#### **Data Elements**

Acknowledgement Number	Balance Quantity	Bill of Lading Number
Carriage Return Line Feed	Command Code	Customer Identification Code
Customer Order Number	Internal Routing Code	International Currency Code
Invoice Date	Invoice Number	Keyword Name
Manufacturer Code	Order Quantity	Order Receipt Date
Part Number	Release Date	Release Quantity
Remarks Text	Scheduled Shipping Date	Ship-To Code
Shipment Quantity	Shipped Date	Specified Shipping Date
Specified Shipping Method Code	Unit of Measure Code	Unit Price Amount

### **3.5. Command Code S1SHIPPD -- Ship Notice / Manifest**

#### **Data Elements**

Acknowledgement Number	Actual Shipment Method Code	Batch Number
Bill of Lading Container Count	Bill of Lading Number	Bill of Lading Weight - Text
Carriage Return Line Feed	Carrier Name	Command Code
Container Size and Weight - Text	Customer Code	Customer Order Number
International Commodity Code	Manufacturer Code	Master Carton Number

Packing Sheet Number	Part Number	Priority Code
Remarks Text	Ship-To Code	Shipment Quantity
Shipped Date	Shipped From Location Code	Supplier Code
Unit of Measure Code		

## 4. Chapter 4

### 4.1. Command Code S1INVEXC -- Exception/Change to Invoice

#### Data Elements

Acknowledgement Number	Adjustment Sequence Number	Carriage Return Line Feed
Command Code	Customer Code	Customer Order Number
Invoice Number	Part Number	Remarks Text
Supplier Code		

### 4.2. Command Code S1VOICE -- Invoice/Acknowledgement of Invoice Message

#### Data Elements

Acknowledgement Number	Adjustment Sequence Number	Bill of Lading Number
Carriage Return Line Feed	Cash Discount Percent	Cash Discount Time
Command Code	County Sales Tax Percent	Customer Code
Customer Order Number	Harmonized Tariff Code	International Currency Code
Invoice Date	Invoice Net Amount	Invoice Number
Invoice Quantity	Invoice Tax Point Date	Invoice Type Code
Local Sales Tax Percent	Other Charge Amount	Other Charge Code
Other Charges - Code and Amount	Packing Sheet Number	Part Number
Payable Amount	Procurement Discount Percent	Reference Invoice Number
Remarks Text	Ship-To Code	State Sales Tax Percent
Supplier Code	Tax Amount	Tax Category Code
Tax Currency Code	Tax Exchange Rate	Tax Percent Amount
Tax Registration Number	Tax Supplier Code	Tax Type Code
Taxable Amount	Taxation Data	Total Tax Amount
Unit of Measure Code	Unit Price Amount	Value Added Tax-Code And Percent
VAT Category Code	VAT Percent	VAT Registration Number

## 5. Chapter 5

### 5.1. Record Type Code 20 -- Information/Data Exchange Fleet Record - Customer to Supplier

#### Data Elements

Aircraft/Engine Checks - Last Count	Aircraft/Engine Checks - Projected Count	Aircraft/Engine Count
Customer Code	End Date	Flight Cycles - Last Count

Flight Cycles - Projected Count	Flight Hours - Last Count	Flight Hours - Projected Count
Miscellaneous Text	Model of Applicability Code	Record Type Code
Reporting Period Date	Start Date	

**5.2. Record Type Code 21 -- Information/Data Exchange Part Number Header Record - Customer to Supplier**

**Data Elements**

Aircraft System Code	Airline Stock Number	Awaiting Disposition Quantity
Customer Code	Customer Repair Quantity	Keyword Name
Lead Time	Manufacturer Code	Miscellaneous Text
Overlength Part Number	Part Number	Projected Order Quantity - Eighth Quarter
Projected Order Quantity - Fifth Quarter	Record Type Code	Reporting Period Date
Spare Part Class Code	Supplier Code	Total on Order Quantity
Total Part Quantity	Unit of Measure Code	

**5.3. Record Type Code 22 -- Information/Data Exchange Part Number Detail Record - Customer to Supplier**

**Data Elements**

Actual Consumption Quantity	Aircraft Identification Number	Aircraft Registration Number
Aircraft/Engine Checks - Last Count	Model of Applicability Code	Part Serial Number
Projected Order Quantity - First Quarter	Projected Order Quantity - Fourth Quarter	Projected Order Quantity - Second Quarter
Projected Order Quantity - Seventh Quarter	Projected Order Quantity - Sixth Quarter	Projected Order Quantity - Third Quarter
Record Type Code	Serial Number Code	Total Ordered Items Count

**5.4. Record Type Code 23 -- Information/Data Exchange Header Record - Supplier to Customer**

**Data Elements**

Customer Code	Material Availability Date	Record Type Code
Reporting Period Date	Supplier Code	

**5.5. Record Type Code 24 -- Information/Data Exchange Part Number Record - Supplier to Customer**

**Data Elements**

Actual Consumption Quantity	Consumption - Customer Projected Cycle Rate	Consumption - Customer Projected Cycle Ratio
Consumption - Customer Projected Hourly Rate	Consumption - Customer Projected Hourly Ratio	Consumption - Customer Projected Quantity
Consumption - Past Quarter Cycle Rate	Consumption - Past Quarter Cycle Ratio	Consumption - Past Quarter Hourly Rate
Consumption - Past Quarter Hourly Ratio	Consumption - Supplier Projected Cycle Ratio	Consumption - Supplier Projected Hourly Ratio

---

Consumption - Supplier Projected Quantity	Early Shipment Time	Expedited Items Shipped Percent
Keyword Name	Manufacturer Code	Part Number
Participating Airline Count	Record Type Code	Total Items Due for Shipment Count
Total of Overdue Items Count	Total Receipt Last Quarter Quantity	

## 6. Chapter 6

### 6.1. Command Code A1CONTACT -- Contact Information for AIRS Program Participants

#### Data Elements

Carriage Return Line Feed	Command Code	Customer Code
Customer Identification Code	Owner Code	Remarks Text
Supplier Code	Terms Text	

### 6.2. Command Code ADMINMSG -- Administrative Information Message for Participants in AIRS Program

#### Data Elements

Carriage Return Line Feed	Command Code	Owner Code
Terms Text		

### 6.3. Command Code P1ADVISE -- Advisory Broadcast Message to Participants of the Central Procurement Database Program

#### Data Elements

Carriage Return Line Feed	Command Code	Customer Code
Customer Identification Code	Supplier Code	

### 6.4. Command Code P1CONTACT -- Contact Information For Participants of the Central Procurement Database Program

#### Data Elements

Carriage Return Line Feed	Command Code	Customer Identification Code
Remarks Text	Supplier Code	

### 6.5. Command Code R1ADVISE -- Broadcast Message for Central Repair Database Participants

#### Data Elements

Carriage Return Line Feed	Command Code	Customer Code
Customer Identification Code	Supplier Code	

## 6.6. Command Code R1CNTACT -- Contact Information Message for Central Repair Database Participants

### Data Elements

Carriage Return Line Feed	Command Code	Customer Code
Customer Identification Code	Remarks Text	Supplier Code

## 6.7. Command Code S1CMDACK -- Confirmation of Receipt of Message

### Data Elements

Acknowledgement Number	Carriage Return Line Feed	Command Code
Customer Code		

## 6.8. Command Code S1CNTACT -- Contact Information for Participants in AIRS Program

### Data Elements

Carriage Return Line Feed	Command Code	Customer Code
Customer Identification Code	Owner Code	Remarks Text
Supplier Code	Terms Text	

## 6.9. Command Code S1FRADDR -- Supplemental Address Information

### Data Elements

Carriage Return Line Feed	Command Code	Supplementary Address Text
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## 6.10. Command Code S1TOADDR -- Supplemental Address Information

### Data Elements

Carriage Return Line Feed	Command Code	Supplementary Address Text
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## 7. Chapter 7

### 7.1. Command Code R1CPOACK -- Acknowledgement of Receipt of Repair Order

#### Data Elements

Batch Number	Carriage Return Line Feed	Command Code
Customer Identification Code	Last Purchase Order Number	Purchase Order Count
Remarks Text	Supplier Code	Total Control Quantity

### 7.2. Command Code R1CPOINQ -- Repair Order Status Inquiry by Repair Order Number



## 7.2. Command Code R1CPOINQ -- Repair Order Status Inquiry by Repair Order Number

### Data Elements

Acknowledgement Number  
Customer Identification Code  
Supplier Code

Carriage Return Line Feed  
Customer Order Number

Command Code  
Part Serial Number

### 7.3. Command Code R1CPORSP -- Response to Repair Order Status Inquiry

#### Data Elements

Bill of Lading Number	Carriage Return Line Feed	Command Code
Customer Identification Code	Customer Order Number	International Currency Code
Material Receipt Date	Order Quantity	Part Number
Part Serial Number	Remarks Text	Repair Price Amount
Repair Process Code	Repair Process Quantity	Repair Status Code
Scheduled Shipping Date	Shipped Date	Supplier Code

### 7.4. Command Code R1CPOXMT -- Repair Order

#### Data Elements

Acknowledgement Number	Additional Descriptive Text	Aircraft Message Text
Aircraft Registration Number	Batch Number	Carriage Return Line Feed
Command Code	Customer Identification Code	Customer Order Number
International Currency Code	Keyword Name	Manufacturer Code
Material Return Authority Number	Model of Applicability Code	Operating Cycle Count
Operating Time	Operator Code	Order Quantity
Order Transaction Code	Packaging Code	Part Number
Part Serial Number	Priority Code	Procurement Discount Percent
Purchase Order Count	Quotation Number	Reason for Removal Code
Remarks Text	Removal Type Code	Repair Location Code
Repair Price Amount	Repair Process Code	Return Authorization Number
Serial Number Control Count	Serial Number Data Text	Serial Number Return Status Code
Ship-To Code	Shipment Date Control Indicator	Specified Shipping Date
Specified Shipping Method Code	Supplier Code	Time/Cycle Reference Code
Total Control Quantity	Total Time Text	Typical Part Number Indicator
Unit of Measure Code	Universal Serial Number	Universal Serial Tracking Number
VAT Registration Number	Warranty Type Code	

### 7.5. Command Code R1CUSSHP -- Shipping Advisory from Customer to Repair Agency

#### Data Elements

Acknowledgement Number	Actual Shipment Method Code	Aircraft Registration Number
Bill of Lading Container Count	Bill of Lading Number	Bill of Lading Weight - Text
Carriage Return Line Feed	Carrier Name	Command Code
Container Size and Weight - Text	Customer Code	Customer Order Number
Estimated Export Amount	International Commodity Code	International Currency Code
Manufacturer Code	Master Carton Number	Packing Sheet Number
Part Number	Priority Code	Purchase Order Count
Remarks Text	Repair Location Code	Return Authorization Number
Shipment Quantity	Shipped Date	Shipped From Location Code

Supplier Code

Unit of Measure Code

## 7.6. Command Code R1DSPACK -- Acknowledgement of Discrepancy Notice

### Data Elements

Carriage Return Line Feed

Command Code

Customer Code

Customer Order Number

Message Discrepancy Count

Supplier Code

## 7.7. Command Code R1DSPXMT -- Notice of Discrepancy Between Repair Order and Actual Part Shipment

### Data Elements

Acknowledgement Number

Carriage Return Line Feed

Command Code

Customer Code

Customer Order Number

Manufacturer Code

Message Discrepancy Count

Packaging Code

Part Number

Part Serial Number

Receipt Part Number

Receipt Part Serial Number

Receipt Quantity

Remarks Text

Supplier Code

Total Discrepancy Count

## 7.8. Command Code R1DSPXMT -- Notice of Discrepancy Between Repair Order and Actual Part Shipment

### Data Elements

Acknowledgement Number

Carriage Return Line Feed

Command Code

Customer Code

Customer Order Number

Manufacturer Code

Message Discrepancy Count

Packaging Code

Part Number

Part Serial Number

Receipt Part Number

Receipt Part Serial Number

Receipt Quantity

Remarks Text

Supplier Code

Total Discrepancy Count

## 7.9. Command Code R1EXCACK -- Acknowledgement of Receipt of Repair Order Exception/Change Notice

### Data Elements

Batch Number

Carriage Return Line Feed

Command Code

Customer Code

Last Purchase Order Number

Purchase Order Count

Supplier Code

Total Control Quantity

## 7.10. Command Code R1EXCXMT -- Exception/ Change Notice to Repair Order

### Data Elements

Acknowledgement Number

Batch Number

Carriage Return Line Feed

Command Code	Customer Code	Customer Order Number
Decrease Quantity	Increase Quantity	International Currency Code
New Serial Number	Old Serial Number	Operating Cycle Count
Operating Time	Order Quantity	Part Number
Part Serial Number	Procurement Discount Percent	Purchase Order Count
Remarks Text	Repair Price Amount	Repair Process Code
Repair Process Quantity	Repair Status Code	Replacing Part Number
Scheduled Shipping Date	Serial Number Change Text	Serial Number Data Text
Supplier Code	Time/Cycle Reference Code	Total Control Quantity
Unit of Measure Code	VAT Registration Number	Warranty Type Code

### 7.11. Command Code R1INVACK -- Acknowledgement of Receipt of Repair Invoice

#### Data Elements

Adjustment Sequence Number	Carriage Return Line Feed	Command Code
Customer Code	Customer Order Number	Invoice Number
Part Number	Supplier Code	

### 7.12. Command Code R1INVXMT -- Invoice for Repair Service

#### Data Elements

Acknowledgement Number	Adjustment Sequence Number	Bill of Lading Number
Carriage Return Line Feed	Cash Discount Percent	Cash Discount Terms - Percent and Time
Cash Discount Time	Command Code	County Sales Tax Percent
Customer Code	Customer Order Number	Harmonized Tariff Code
International Currency Code	Invoice Date	Invoice Net Amount
Invoice Number	Invoice Partial Indicator	Invoice Quantity
Invoice Tax Point Date	Invoice Type Code	Labor Price Amount
Local Sales Tax Percent	Material Price Amount	Other Charge Amount
Other Charge Code	Other Charges - Code and Amount	Packing Sheet Number
Part Number	Payable Amount	Procurement Discount Percent
Reference Invoice Number	Remarks Text	Repair Price Amount
Repair Process Code	Ship-To Code	State Sales Tax Percent
Supplier Code	Tax Category Code	Tax Method Code
Tax Registration Number	Total Tax Amount	Unit of Measure Code
Value Added Tax-Code And Percent	VAT Category Code	VAT Percent
VAT Registration Number		

### 7.13. Command Code R1INXACK -- Repair Invoice Acknowledgement

#### Data Elements

Adjustment Sequence Number	Carriage Return Line Feed	Command Code
Customer Identification Code	Customer Order Number	Invoice Number
Part Number	Supplier Code	

#### 7.14. Command Code R1INXXMT -- Exception/Change Notice to Repair Invoice

##### Data Elements

Acknowledgement Number	Adjustment Sequence Number	Carriage Return Line Feed
Command Code	Customer Identification Code	Customer Order Number
Invoice Number	Part Number	Remarks Text
Supplier Code		

#### 7.15. Command Code R1MATRCP -- Material Receipt Notice from Repair Agency to Customer

##### Data Elements

Bill of Lading Container Count	Bill of Lading Number	Carriage Return Line Feed
Command Code	Customer Code	Customer Order Number
Keyword Name	Master Carton Number	Material Receipt Date
Packing Sheet Number	Part Number	Purchase Order Count
Remarks Text	Supplier Code	

#### 7.16. Command Code R1PNRINQ -- Inquiry of Repair Status by Part Number

##### Data Elements

Acknowledgement Number	Carriage Return Line Feed	Command Code
Customer Identification Code	Part Number	Part Serial Number
Supplier Code		

#### 7.17. Command Code R1PNRRSP -- Response to Inquiry of Repair Status by Part Number

##### Data Elements

Bill of Lading Number	Carriage Return Line Feed	Command Code
Customer Identification Code	Customer Order Number	International Currency Code
Material Receipt Date	Order Quantity	Part Number
Part Serial Number	Remarks Text	Repair Price Amount
Repair Process Code	Repair Process Quantity	Repair Status Code
Scheduled Shipping Date	Shipped Date	Supplier Code

#### 7.18. Command Code R1QTNINT -- Interim Response to Request For Quote

##### Data Elements

Carriage Return Line Feed	Command Code	Customer Identification Code
Manufacturer Code	Part Number	Quotation Request Number
Remarks Text	Supplier Code	

### **7.19. Command Code R1QTNREQ -- Quotation Request for Repair Service**

#### **Data Elements**

Acknowledgement Number	Aircraft System Code	Carriage Return Line Feed
Command Code	Customer Identification Code	Keyword Name
Manufacturer Code	Model of Applicability Code	Part Number
Quotation Quantity	Quotation Request Number	Reason for Removal Code
Remarks Text	Repair Process Code	Requested Repair Time
Supplier Code	Unit of Measure Code	

### **7.20. Command Code R1QTNXMT -- Quotation for Repair Service**

#### **Data Elements**

Carriage Return Line Feed	Command Code	Customer Identification Code
International Currency Code	Keyword Name	Manufacturer Code
Mean Shop Processing Time	Minimum Repair Quantity	Part Number
Price Held Firm - Time	Price Type Code	Procurement Discount Percent
Quotation Date	Quotation Number	Quotation Quantity
Quotation Request Number	Remarks Text	Repair Location Code
Repair Price Amount	Repair Process Code	Return Authorization Number
Supplier Code	Unit of Measure Code	

### **7.21. Command Code R1SPLSHP -- Shipment Advisory/Manifest from Repair Agency**

#### **Data Elements**

Acknowledgement Number	Actual Shipment Method Code	Aircraft Registration Number
Bill of Lading Container Count	Bill of Lading Number	Bill of Lading Weight - Text
Carriage Return Line Feed	Carrier Name	Command Code
Container Size and Weight - Text	Customer Code	Customer Order Number
Estimated Export Amount	International Commodity Code	International Currency Code
Keyword Name	Manufacturer Code	Master Carton Number
Material Return Authority Number	Packing Sheet Number	Part Number
Part Serial Number	Priority Code	Remarks Text
Repair Status Code	Serial Number Control Count	Ship-To Code
Shipment Quantity	Shipped Date	Shipped From Location Code
Supplier Code	Unit of Measure Code	

### **7.22. Command Code R1TDNXMT -- Component Teardown Report**

#### **Data Elements**

Additional Descriptive Text	Aircraft Message Text	Command Code
Configuration/Modification Status Number	Customer Code	Customer Order Number

Date Repaired	Incoming Inspection/Shop Action Text	Inspection Findings Code
Manufacturer Authority Text	Manufacturer Code	Operating Cycle Count
Operating Days	Operating Time	Overlength Part Number
Part Number	Part Serial Number	Repair Process Code
Segment Identifier	Shipped Date	Shop Action Code
Shop Action Remarks	Shop Findings Code	Supplier Code
Teardown Type Code	Time/Cycle Reference Code	Total Time Text
Traceability Data Indicator	Unit of Measure Code	Universal Serial Number
Universal Serial Tracking Number	Work Order Number	

## 8. Chapter 8

### 8.1. Record Type Code 16 -- Central Repair Data Header Record

#### Data Elements

Delete Control Date	Record Type Code	Remarks Text
Security Code	Supplier Code	Tape or File Recipient Code
Transmission Date	Transmission Type Code	

### 8.2. Record Type Code 17 -- Central Repair Data Part Number Record

#### Data Elements

Aircraft System Code	Change Code	Exchange Unit Available Indicator
International Currency Code	Keyword Name	Manufacturer Code
Mean Shop Processing Time	Minimum Repair Quantity	Overhaul Manual Reference Number
Part Number	Price Effective Date	Price Type Code
Record Type Code	Remarks Text	Repair Agency Claimed Certificate Number
Repair Price Amount	Repair Process Code	Repair Process Remarks
Supplier Code		

### 8.3. Command Code R1CDBACK -- Acknowledgement of Update from Central Repair Database to Participant

#### Data Elements

Carriage Return Line Feed	Change Code	Command Code
Manufacturer Code	Part Number	Remarks Text
Supplier Code		

### 8.4. Command Code R1CDBINQ -- Inquiry about Part Number to the Central Repair Database

#### Data Elements

Carriage Return Line Feed	Command Code	Inquirer Identification Code
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Manufacturer Code

Part Number

Supplier Code

## 8.5. Command Code R1CDBRSP -- Response to Inquiry from the Central Repair Database

### Data Elements

Aircraft System Code	Carriage Return Line Feed	Command Code
Communication Address Text	Company Name	Exchange Unit Available Indicator
Facsimile Transmission Telephone Number	Inquirer Identification Code	International Currency Code
Keyword Name	Manufacturer Code	Mean Shop Processing Time
Minimum Repair Quantity	Overhaul Manual Reference Number	Part Number
Price Effective Date	Price Type Code	Remarks Text
Repair Agency Claimed Certificate Number	Repair Price Amount	Repair Process Code
Repair Process Remarks	Supplier Code	Telephone Number

## 8.6. Command Code R1CDBUPD -- On-Line Update of Central Repair Database

### Data Elements

Access Code	Aircraft System Code	Carriage Return Line Feed
Change Code	Command Code	Exchange Unit Available Indicator
International Currency Code	Keyword Name	Manufacturer Code
Mean Shop Processing Time	Minimum Repair Quantity	Overhaul Manual Reference Number
Part Number	Price Effective Date	Price Type Code
Remarks Text	Repair Agency Claimed Certificate Number	Repair Price Amount
Repair Process Code	Repair Process Remarks	Supplier Code

## 9. Chapter 9

## 10. Chapter 11

### 10.1. Schema AircraftEvent -- Aircraft Event Schema - Reliability Data Collection/Exchange

#### Data Elements

Aborted Approach Indicator	Aborted Take-off Indicator	Actual Arrival Date
Actual Arrival Time	Actual Departure Time	Advance Document Request Indicator
Air Interruption Indicator	Air Turn Back Indicator	Aircraft Cumulative Total Cycles
Aircraft Cumulative Total Flight Hours	Aircraft Engine/APU Model	Aircraft Engine/APU Type
Aircraft Fully Qualified Registration Number	Aircraft Identification Number	Aircraft Message Text
Aircraft Model Identifier	Aircraft on Ground Indicator	Aircraft Series Identifier
Airline Stock Number	APU Cumulative Total Cycles	APU Cumulative Total Hours
Arrival Station Code	ATA Standard Number	Cancellation Indicator
Change Code	Company Name	Consequential Incident Cause Code
Delay Indicator	Delay Time	Departure Flight Number
Discrepancy ATA System Number	Diversion Indicator	Emergency Descent Indicator



Engine Cumulative Total Cycles	Engine Cumulative Total Flight Hours	Engine Position Identifier
Engine/APU Module Serial Number	ETOPS Flight Indicator	ETOPS Phase Incident Indicator
Event Record Identifier	Fault Code	Ground Interruption Indicator
Ground Turn Back Indicator	In-Flight Shut Down Indicator	Incident Cause Code
Incident Occurrence Date	Interruption Code	Maintenance Action Text
Maintenance Action Tracking Number	Maintenance Notified Time	Maintenance Released Time
Maintenance Total Down Time	Manufacturer Code	Manufacturer Full Length Part Number
Manufacturer Name	Operator Aircraft Internal Identifier	Operator Code
Operator Event Identifier	Originating Incident Reference Number	Overlength Part Number
Part Number	Part Serial Number	Reliability Exclusion Indicator
Remarks Text	Reporting Organization Code	Reporting Organization Name
Reporting Period Date	Reporting Period End Date	Reporting Station Code
Scheduled Arrival Time	Scheduled Departure Time	Service Interruption Chargeability Indicator
Substitute Aircraft Indicator	Supplier Code	Suspected Maintenance Error Indicator
Suspected Operational Error Indicator	Technical Incident Indicator	Total Consequential Interruption Count
Unique Component Identification Number	Universal Serial Number	Universal Serial Tracking Number

## **10.2. Schema AircraftHoursAndLandings -- Aircraft Hours and Landings Schema - Reliability Data Collection/Exchange**

### **Data Elements**

Aircraft Cumulative Total Cycles	Aircraft Cumulative Total Flight Hours	Aircraft Engine/APU Model
Aircraft Engine/APU Type	Aircraft Fully Qualified Registration Number	Aircraft Identification Number
Aircraft Model Identifier	Aircraft Monthly Revenue Departures	Aircraft Monthly Revenue Flight Hours
Aircraft Monthly Total Cycles	Aircraft Monthly Total Flight Hours	Aircraft Series Identifier
Aircraft Temporarily Out of Service Indicator	APU Cumulative Total Cycles	APU Cumulative Total Hours
Change Code	Company Name	Engine Cumulative Total Cycles
Engine Cumulative Total Flight Hours	Engine Position Identifier	Engine/APU Module Serial Number
ETOPS Monthly Cycles	ETOPS Monthly Flight Hours	ETOPS Monthly Revenue Departures
Manufacturer Code	Manufacturer Name	Operator Aircraft Internal Identifier
Operator Code	Reporting Organization Code	Reporting Organization Name
Reporting Period Date	Reporting Period End Date	Total Number of Days - Aircraft Out of Service
Total Number of Days - Optional Out of Service	Total Number of Days - Planned Out of Service	Total Number of Days - Scheduled Out of Service
Total Number of Days - Unscheduled Out of Service		

## **10.3. Schema AircraftStatusChange -- Aircraft Status Change Schema - Reliability Data Collection/Exchange**

### **Data Elements**

Aircraft Cumulative Total Cycles	Aircraft Cumulative Total Flight Hours	Aircraft Engine/APU Model
Aircraft Engine/APU Type	Aircraft Fully Qualified Registration Number	Aircraft Identification Number
Aircraft Model Identifier	Aircraft Removed from Service Date	Aircraft Removed from Service Reason Code

Aircraft Removed from Service Reason Text	Aircraft Returned to Service Date	Aircraft Roll-out Date
Aircraft Series Identifier	Aircraft Sub-Series Identifier	APU Cumulative Total Cycles
APU Cumulative Total Hours	Change Code	Company Name
Employee Name	Employee Title	Engine Cumulative Total Cycles
Engine Cumulative Total Flight Hours	Engine Position Identifier	Engine/APU Module Serial Number
Home Base Station Code	Manufacturer Code	Manufacturer Name
Maximum Gross Take-Off Weight	Operation Start Date	Operator Aircraft Internal Identifier
Operator Code	Reason for Status Change Text	Reporting Organization Code
Reporting Organization Name	Reporting Period Date	Reporting Period End Date
Status Change Date	Telephone Number	Unit of Measure Code

## 10.4. Schema Logbook -- Aircraft Logbook Schema - Reliability Data Collection/Exchange

### Data Elements

Aircraft Engine/APU Model	Aircraft Engine/APU Type	Aircraft Fully Qualified Registration Number
Aircraft Identification Number	Aircraft Message Text	Aircraft Model Identifier
Aircraft Series Identifier	Airworthiness Directive Number	Arrival Station Code
ATA Standard Number	Authority Document Reference	Change Code
Company Name	Delay Time	Departure Date
Departure Flight Number	Discrepancy ATA System Number	Discrepancy Complaint Date
Discrepancy Complaint Text	Discrepancy Source Type Code	Discrepancy Symptom Code
Elapsed Time	Employee Name	Engine Position Identifier
Engine/APU Module Serial Number	ETOPS Flight Indicator	Fault Code
Findings Type Code	Flight Type Code	International Currency Code
Labor Count	Maintenance Action Code	Maintenance Action Completion Date
Maintenance Action Completion Time	Maintenance Action Date	Maintenance Action Deferral Reason Text
Maintenance Action Performer Name	Maintenance Action Sequence Number	Maintenance Action Station Code
Maintenance Action Status Code	Maintenance Action Target Date	Maintenance Action Text
Maintenance Action Tracking Number	Maintenance Activity Type Code	Maintenance Check Identifier
Maintenance Check Interval Text	Maintenance Pending Reason Code	Maintenance Review Board Number
Manufacturer Code	Manufacturer Inspection Identifier	Manufacturer Name
Manufacturer Task Identifier	Material Cost	Non-Routine Reference Text
Non-Routine Task Description	Operator Aircraft Internal Identifier	Operator Code
Operator Event Identifier	Operator Inspection Identifier	Operator Task Identifier
Phase of Flight Code	Remarks Text	Reporting Organization Code
Reporting Organization Name	Reporting Period Date	Reporting Period End Date
Reporting Station Code	Requested Work Description	Scheduled Departure Time
Scheduled Maintenance Identifier	Service Bulletin Number	Technical Incident Indicator
Total Labor Hours	Total Maintenance Cost	Unique Personal Identifier

## 10.5. Schema LRU\_Removal -- LRU Removal Schema - Reliability Data Collection/Exchange

### Data Elements

Aircraft Cumulative Total Cycles	Aircraft Cumulative Total Flight Hours	Aircraft Engine/APU Model
Aircraft Engine/APU Position Text	Aircraft Engine/APU Type	Aircraft Fully Qualified Registration Number
Aircraft Identification Number	Aircraft Message Text	Aircraft Model Identifier
Aircraft Removed from Service Date	Aircraft Series Identifier	Airline Stock Number
APU Cumulative Total Cycles	APU Cumulative Total Hours	ATA Standard Number
Change Code	Company Name	Component Position Text
Engine Cumulative Total Cycles	Engine Cumulative Total Flight Hours	Engine Position Identifier
Engine/APU Module Serial Number	Event Record Identifier	Fault Code
Installation Date	Maintenance Action Text	Maintenance Action Tracking Number
Manufacturer Code	Manufacturer Full Length Part Number	Manufacturer Name
Operating Cycle Count	Operating Days	Operating Time
Operator Aircraft Internal Identifier	Operator Code	Operator Event Identifier
Overlength Part Number	Part Description	Part Number
Part Removal Date	Part Serial Number	Reason for Removal Clarification Text
Reason for Removal Code	Removal Reason Text	Removal Station Code
Removal Tracking Identifier	Removal Type Code	Reporting Organization Code
Reporting Organization Name	Reporting Period Date	Reporting Period End Date
Scheduled Maintenance Identifier	Supplier Code	Time/Cycle Reference Code
Unique Component Identification Number	Universal Serial Number	Universal Serial Tracking Number

## **10.6. Schema ScheduledMaintenance -- Scheduled Maintenance Schema - Reliability Data Collection/Exchange**

### **Data Elements**

Aircraft Cumulative Total Cycles	Aircraft Cumulative Total Flight Hours	Aircraft Engine/APU Model
Aircraft Engine/APU Type	Aircraft Frame Identifier	Aircraft Fully Qualified Registration Number
Aircraft Identification Number	Aircraft Model Identifier	Aircraft Removed from Service Date
Aircraft Series Identifier	Aircraft Stringer Identifier	Airframe Left Hand/Right Hand Position Code
Airframe Longitudinal Reference Number	Airframe Rib Identifier	Airframe Spar Identifier
Airframe Station Description	Airframe Station Identifier	Airframe Vertical Reference Number
Airframer Task Description	Airline Stock Number	Airworthiness Directive Number
APU Cumulative Total Cycles	APU Cumulative Total Hours	Certification Maintenance Requirement - Passed Indicator
Certification Maintenance Requirement Item Description	Certification Maintenance Requirement Item Number	Change Code
Company Name	Component Position Text	Corrosion Level Code
Corrosion Temporary Protection System Indicator	Corrosion Temporary Protection System Visible Indicator	Corrosion Type Code
Corrosion Type Description	Elapsed Time	Employee Name
Employee Skill Code	Engine Cumulative Total Cycles	Engine Cumulative Total Flight Hours
Engine Position Identifier	Engine/APU Module Serial Number	Findings Description Text
Findings Type Code	Findings Type Description	Inspection Method Code
Inspection Method Description	Installation Date	International Currency Code
Labor Count	Maintenance Action Performer Name	Maintenance Action Text
Maintenance Action Tracking Number	Maintenance Check Identifier	Maintenance Check Interval Text

Maintenance Findings Indicator	Maintenance Program Code	Maintenance Review Board Number
Maintenance Zone	Manufacturer Code	Manufacturer Full Length Part Number
Manufacturer Inspection Identifier	Manufacturer Name	Manufacturer Task Identifier
Manufacturer Task Identifier Description	Material Cost	Non-Routine Reference Text
Non-Routine Task Description	Non-Routine Task Elapsed Time	Non-Routine Task Labor Count
Non-Routine Task Material Cost	Non-Routine Task Total Cost	Non-Routine Task Total Labor Hours
Operating Cycle Count	Operating Days	Operating Time
Operator Aircraft Internal Identifier	Operator Code	Operator Event Identifier
Operator Inspection Identifier	Operator Maintenance Task Interval Number	Operator Maintenance Zone
Operator Specific Task Indicator	Operator Task Description	Operator Task Identifier
Operator Task Identifier Description	Overlength Part Number	Part Number
Part Removal Date	Part Serial Number	Previous Inspection Date
Previous Warranty Claim Number	Remarks Text	Removal Reason Text
Removal Tracking Identifier	Repair Approval Reference Text	Repair Structural Material Type Description
Reporting Organization Code	Reporting Organization Name	Reporting Period Date
Reporting Period End Date	Scheduled Maintenance Identifier	Shop Action Description
Supplier Code	Task Elapsed Time	Task End Date
Task Labor Count	Task Material Cost	Task Out-Of-Scope Findings Indicator
Task Start Date	Task Total Cost	Task Total Labor Hours
Total Labor Hours	Total Maintenance Cost	Unique Component Identification Number
Universal Serial Number	Universal Serial Tracking Number	Work Order Description
Work Order End Date	Work Order Number	Work Order Start Date

## 10.7. Schema ServiceBulletin -- Service Bulletin / Modification Schema - Reliability Data Collection/Exchange

### Data Elements

Accomplishment Date	Accomplishment Date Indicator	Aircraft Cumulative Total Cycles
Aircraft Cumulative Total Flight Hours	Aircraft Engine/APU Model	Aircraft Engine/APU Type
Aircraft Fully Qualified Registration Number	Aircraft Identification Number	Aircraft Model Identifier
Aircraft Series Identifier	Aircraft System Code	Airline Internal Revision Number
Airline Stock Number	Airworthiness Directive Number	APU Cumulative Total Cycles
APU Cumulative Total Hours	Certificate Date	Certificate Description
Certificate Number	Certificate Source	Change Code
Company Name	Compliance Code	Configuration/Modification Status Number
Demodification Date	Document Title	Elapsed Time
Employee Name	Employee Title	Engine Cumulative Total Cycles
Engine Cumulative Total Flight Hours	Engine Position Identifier	Engine/APU Module Serial Number
Engineering Order Number	ETOPS Monthly Revenue Departures	Installation Date
Instruction Evaluation Code	Intermediate Revision Indicator	International Currency Code
Issuance Date	Labor Count	Maintenance Action Performer Name
Maintenance Action Tracking Number	Manufacturer Code	Manufacturer Full Length Part Number
Manufacturer Name	Material Cost	Material Evaluation Code
Modification Document Type Code	Modification/STC Number	Operator Aircraft Internal Identifier
Operator Code	Operator Event Identifier	Overall Quality Code

Overlength Part Number	Part Number	Part Removal Date
Part Serial Number	Planning Evaluation Code	Quality of Illustration Code
Quality of Instruction Code	Remarks Text	Reporting Organization Code
Reporting Organization Name	Reporting Period Date	Reporting Period End Date
Service Bulletin Incorporation Status Code	Service Bulletin Inspection Findings Text	Service Bulletin Inspection Indicator
Service Bulletin Number	Service Bulletin Readability Indicator	Service Bulletin Reason For Rejection Text
Service Bulletin Revision	Service Bulletin Sequence Number	Service Bulletin Type Code
Supplier Code	Task Out-Of-Scope Findings Text	Total Labor Hours
Total Maintenance Cost	Unique Component Identification Number	Unique Personal Identifier
Universal Serial Number	Universal Serial Tracking Number	

### 10.8. Schema ShopFindings -- Shop Findings Schema - Reliability Data Collection/Exchange

#### Data Elements

Aircraft Cumulative Total Cycles	Aircraft Cumulative Total Flight Hours	Aircraft Engine/APU Model
Aircraft Engine/APU Position Text	Aircraft Engine/APU Type	Aircraft Fully Qualified Registration Number
Aircraft Identification Number	Aircraft Model Identifier	Aircraft Removed from Service Date
Aircraft Series Identifier	Airline Stock Number	APU Cumulative Total Cycles
APU Cumulative Total Hours	Change Code	Company Name
Component Position Text	Configuration/Modification Status Number	Engine Cumulative Total Cycles
Engine Cumulative Total Flight Hours	Engine Position Identifier	Engine/APU Module Serial Number
Failed Piece Part Next Higher Assembly NHA Part Number	Failure/Fault Confirm Aircraft Message Code	Failure/Fault Confirm Bite Message Code
Failure/Fault Confirm Reason Code	Failure/Fault Found Code	Failure/Fault Induced Code
Geographic and/or Electrical Location	Hardware/Software Failure Code	Incoming Inspection/Shop Action Text
Maintenance Activity Type Code	Manufacturer Authority Text	Manufacturer Code
Manufacturer Full Length Part Number	Manufacturer Name	Material Receipt Date
Operating Cycle Count	Operating Days	Operating Time
Operator Aircraft Internal Identifier	Operator Code	Overlength Part Number
Part Description	Part Number	Part Removal Date
Part Serial Number	Piece Part Record Identifier	Primary Piece Part Failure Indicator
Reason for Removal Clarification Text	Reason for Removal Code	Related Shop Findings Record Identifier
Removal Reason Text	Removal Tracking Identifier	Removal Type Code
Repair Final Action Indicator	Repair Location Name	Reporting Organization Code
Reporting Organization Name	Reporting Period Date	Reporting Period End Date
Shipped Date	Shop Action Code	Shop Disclosure Indicator
Shop Findings Record Identifier	Shop Repair Facility Code	Supplier Code
Supplier Removal Type Code	Time/Cycle Reference Code	Unique Component Identification Number
Universal Serial Number	Universal Serial Tracking Number	

### 10.9. Schema SummaryData -- Summary Data Schema - Reliability Data Collection/Exchange

#### Data Elements

Advance Document Request Indicator	Aircraft Cumulative Total Cycles	Aircraft Cumulative Total Flight Hours
Aircraft Engine/APU Model	Aircraft Engine/APU Type	Aircraft Fleet Indicator
Aircraft Fully Qualified Registration Number	Aircraft Identification Number	Aircraft Model Identifier
Aircraft Series Identifier	Aircraft System Code	Airworthiness Directive Number
Alert Exceedance Indicator	APU Cumulative Total Cycles	APU Cumulative Total Hours
Change Code	Company Name	Engine Cumulative Total Cycles
Engine Cumulative Total Flight Hours	Engine Position Identifier	Engine/APU Module Serial Number
Engineering Order Number	Intermediate Revision Indicator	Manufacturer Code
Manufacturer Full Length Part Number	Manufacturer Name	Operator Aircraft Internal Identifier
Operator Code	Overlength Part Number	Part Number
Reporting Organization Code	Reporting Organization Name	Reporting Period Date
Reporting Period End Date	Service Bulletin Effectivity Count	Service Bulletin Final Incorporation Date
Service Bulletin Incomplete Count	Service Bulletin Incorporation Status Code	Service Bulletin Number
Service Bulletin Revision	Service Bulletin Unincorporated Count	Total Aborted Take-Off Count
Total Air Turn Back Count	Total Air-Interrupts Count	Total Cabin Log Count
Total Cancellation Count	Total Cargo Log Count	Total Confirmed Failure Count
Total Diversions Count	Total Ground Interrupt Count	Total Ground Turnback Count
Total In-Flight Shutdown Count	Total Induced Failure Count	Total Justified Removal Count
Total Maintenance Log Count	Total Other Component Removal Count	Total Pilot Log Count
Total Scheduled Component Removal Count	Total Technical Delay Count	Total Technical Incident Count
Total Units Received In Shop Count	Total Unjustified Failure Count	Total Unscheduled Component Removal Count
Universal Serial Number	Universal Serial Tracking Number	

## 11. Chapter 12

### 11.1. Command Code A1ADDPRT -- On-Line Update to AIRS Database (Add Record)

#### Data Elements

Airline Stock Number	Available Stock Quantity	Carriage Return Line Feed
Command Code	Condition Code	Currency Code
Keyword Name	Location Code	Manufacturer Code
Owner Code	Part Number	Part Serial Number
Price Break Price Amount	Price Break Quantity	Remarks Text
Unique Component Identification Number	Unit Inventory Value Amount	Unit of Measure Code
Unit Price Amount		

### 11.2. Command Code A1CHANGE -- On-Line Update to AIRS Database (Change Record)

#### Data Elements

Airline Stock Number	Carriage Return Line Feed	Command Code
Condition Code	Currency Code	Keyword Name
Location Code	Manufacturer Code	Owner Code
Part Number	Unit Inventory Value Amount	Unit of Measure Code
Unit Price Amount		

### 11.3. Command Code A1FRADDR -- Supplemental Address Information for AIRS Program Participants

#### Data Elements

Carriage Return Line Feed	Command Code	Supplementary Address Text
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### 11.4. Command Code A1QTYDEC -- On-Line Update to AIRS Database (Decrease of Part Quantity)

#### Data Elements

Available Stock Quantity	Carriage Return Line Feed	Command Code
Condition Code	Decrease Quantity	Location Code
Manufacturer Code	Owner Code	Part Number

### 11.5. Command Code A1QTYINC -- On-Line Update to AIRS Database (Increase of Part Quantity)

#### Data Elements

Available Stock Quantity	Carriage Return Line Feed	Command Code
Condition Code	Increase Quantity	Location Code
Manufacturer Code	Owner Code	Part Number

### 11.6. Command Code A1QUOTES -- Request For Quotation for Part Number listed on AIRS

#### Data Elements

AIRS Quote Number	Available Stock Quantity	Carriage Return Line Feed
Command Code	Condition Code	Currency Code
Customer Code	Free Onboard Point Code	Keyword Name
Lead Time	Manufacturer Code	Originator Reference Number
Owner Code	Part Number	Price Break Price Amount
Price Break Quantity	Price Held Firm - Time	Priority Code
Quotation Quantity	Remarks Text	Specified Shipping Date
Supplementary Address Text	Terms Text	Unit of Measure Code
Unit Price Amount		

### 11.7. Command Code A1SEARCH -- Search for Part Number on AIRS Database

#### Data Elements

Carriage Return Line Feed	Command Code	Customer Code
Keyword Name	Remarks Text	Response Part Number
Search Part Number		

### 11.8. Command Code A1STOCKS -- Status Inquiry/Response by Part Number listed on AIRS Database

#### Data Elements

Airline Stock Number	Available Stock Quantity	Carriage Return Line Feed
Command Code	Communication Address Text	Company Name
Condition Code	Currency Code	Customer Code
Facsimile Transmission Telephone Number	Keyword Name	Location Code
Manufacturer Code	Owner Code	Part Number
Part Serial Number	Price Break Price Amount	Price Break Quantity
Remarks Text	Telephone Number	Unique Component Identification Number
Unit of Measure Code	Unit Price Amount	

### 11.9. Command Code A1TOADDR -- Supplemental Address Information For Participants in AIRS Program

#### Data Elements

Carriage Return Line Feed	Command Code	Supplementary Address Text
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### 11.10. Command Code A1UPDATE -- Update Information on AIRS Database

#### Data Elements

Airline Stock Number	AIRS Action Code	Available Stock Quantity
Carriage Return Line Feed	Command Code	Condition Code
Currency Code	Decrease Quantity	Increase Quantity
Keyword Name	Location Code	Manufacturer Code
Owner Code	Part Number	Part Serial Number
Price Break Price Amount	Price Break Quantity	Remarks Text
Unique Component Identification Number	Unit Inventory Value Amount	Unit of Measure Code
Unit Price Amount		

### 11.11. Command Code ADMINMSG -- Administrative Information Message for Participants in AIRS Program

#### Data Elements

Carriage Return Line Feed	Command Code	Owner Code
Terms Text		

### 11.12. Command Code PURCHASE -- Purchasing Requirements Message for AIRS Participants



**Data Elements**

Carriage Return Line Feed  
Terms Text

Command Code

Customer Code

### 11.13. Command Code SALEINFO -- Special Sale Item Broadcast Message for AIRS Participants

#### Data Elements

Carriage Return Line Feed	Command Code	Owner Code
Terms Text		

## 12. Chapter 14

### 12.1. Command Code W1CDNXMT -- Warranty Claim Disposition

#### Data Elements

Authorized Credit Recipient Code	Carriage Return Line Feed	Claim Disposition Date
Claim Disposition E-Mail Address Text	Claim Disposition Name	Claim Disposition Phone Number Text
Claim Disposition Remarks Text	Claim Origin Name	Claim Submittal Date
Command Code	Corrosion Temporary Protection System Visible Indicator	Credit/Debit Issue Date
Credit/Debit Memo Amount	Credit/Debit Memo Number	Customer Claim Number
Customer Code	Customer Identification Code	Inspection Findings Code
International Currency Code	Invoice Type Code	Labor Hours Count
Labor Rate Amount	Line Item Number	Overlength Part Number
Part Number	Part Serial Number	Remedy Item Number
Remedy Type Code	Repair Labor Hours Count	Repair Labor Rate
Repair Labor Type Code	Response Code	Total Warranty Amount
Total Warranty Value Amount	Used Quantity	Warrantor Claim Disposition Code
Warrantor Claim Number	Warrantor Code	Warranty Pro-Rata Percent
Warranty Settlement Date		

### 12.2. Command Code W1CLMINQ -- Status Inquiry by Warranty Claim Number

#### Data Elements

Carriage Return Line Feed	Claim Origin E-Mail Address Text	Claim Origin Name
Command Code	Customer Claim Number	Customer Identification Code
Day End Date	Day Start Date	Filed On Identifier Text
Filed On Type Code	Inquiry Transaction Code	Line Item Number
Remedy Item Number	Warrantor Code	

### 12.3. Command Code W1CLMXMT -- Warranty Claim Submittal

#### Data Elements

Acknowledgement Number	Aircraft Delivery Date	Aircraft Identification Number
Aircraft Number Code	Aircraft Number Text	Aircraft Registration Number
Approved Material Detail Text	Authorized Credit Recipient Code	Carriage Return Line Feed

Certificate Date	Claim Disposition E-Mail Address Text	Claim Item Type Code
Claim Origin Name	Claim Origin Phone Number Text	Claim Supporting Remarks Text
Claim Transaction Code	Claim Type Code	Command Code
Consumable Type Code	Customer Claim Number	Customer Identification Code
Day End Date	Day Start Date	Defect Apparent Date
Defect Description Text	Description of Remedy Text	Engine Cycles Since New Count
Engine Module Removal Date	Engine Module Since New Time	Engine Removal Date
Engine Serial Number	Engine Since New Time	Engine/APU Module Serial Number
Filed On Identifier Text	Inspection Findings Code	International Currency Code
Invoice Net Amount	Invoice Number	Labor Hours Count
Labor Rate Amount	Line Item Number	Maintenance Item Type Code
Manufacturer Authority Text	Model of Applicability Code	Notice of Intent Indicator
Operating Cycle Count	Operating Time	Operator Code
Overlength Part Number	Owner Code	Part Cycles Since New Count
Part Number	Part Removal Date	Part Scrap Verification Indicator
Part Serial Number	Part Since New Time	Quantity
Reason for Removal Clarification Text	Reason for Removal Code	Remedy Amount
Remedy Item Number	Remedy Type Code	Removal Station Code
Repair Labor Hours Count	Repair Labor Rate	Repair Labor Type Code
Repair Shop Code	Time/Cycle Reference Code	Total Pilot Log Count
Total Time Text	Used Quantity	Warrantor Claim Number
Warrantor Code	Warranty Pro-Rata Percent	Warranty Recovery Amount
Warranty Recovery Amount Text	Warranty Reference Identification Text	

## 13. Chapter 15

### 13.1. Record Type Code 26 -- Delivery Configuration Data Header Record To Customer

#### Data Elements

Aircraft Identification Number	Aircraft Registration Number	Customer Code
File Identifier Code	Items Due But Not Shipped Count	Items Shipped Beyond Lead Time Count
Items Shipped Beyond Lead Time Percent	Model of Applicability Code	Part Delivery Date
Record Type Code	Serial Number Code	Serial Number Data Text
Supplier Code	Total Time Text	Transmission Date
Zone Code		

### 13.2. Record Type Code 27 -- Delivery Configuration Data Part Number Record To Customer

#### Data Elements

Additional Descriptive Text	Buyer Furnished Equipment Indicator	Catalog Sequence Number
Component Position Code	Configuration/Modification Status Number	Hardware Part Number
Industry Item Number	Keyword Name	Manufacture Date
Manufacturer Code	Overlength Part Number	Part Number

Part Serial Number	Record Type Code	Software Part Number
Total Time Text	Warranty Type Code	Zone Code

## 14. Chapter UN/EDIFACT

### 14.1. External Std UN/EDIFACT -- UN/EDIFACT Implementation Convention

#### Data Elements

Acknowledgement Number	Actual Shipment Method Code	Adjustment Sequence Number
Aircraft Registration Number	Available Stock Quantity	Balance Quantity
Batch Number	Bill of Lading Container Count	Bill of Lading Number
Bill of Lading Weight - Text	Carrier Name	Cash Discount Percent
Cash Discount Time	Category I Container Price Amount	Container Size and Weight - Text
Contract Number	County Sales Tax Percent	Customer Identification Code
Customer Order Number	Decrease Quantity	Discount Percent
Extended Value Total Amount	Harmonized Tariff Code	Increase Quantity
Inquiry Part Number	Interchangeability Code	Internal Routing Code
International Commodity Code	International Currency Code	Invoice Date
Invoice Net Amount	Invoice Number	Invoice Quantity
Invoice Tax Point Date	Invoice Type Code	Keyword Name
Last Purchase Order Number	Lead Time	Lease Indicator
Local Sales Tax Percent	Location Code	Manufacturer Code
Master Carton Number	Minimum Sales Quantity	Order Quantity
Order Receipt Date	Order Transaction Code	Other Charge Amount
Other Charge Code	Other Charges - Code and Amount	Packaging Code
Packing Sheet Number	Part Number	Payable Amount
Point of Use Location Name	Price Break Order Count	Price Break Price Amount
Price Break Quantity	Price Held Firm - Time	Priority Code
Procurement Discount Percent	Purchase Order Count	Quotation Date
Quotation Number	Quotation Quantity	Quotation Request Number
Reason for Part Number Change - Text	Reference Invoice Number	Release Date
Release Quantity	Remarks Text	Replacing Part Number
Response Part Number	Scheduled Shipping Date	Ship-To Code
Shipment Date Control Indicator	Shipment Quantity	Shipped From Location Code
Specified Shipping Date	Specified Shipping Method Code	Standard Package Quantity
State Sales Tax Percent	Supplier Code	Tax Amount
Tax Category Code	Tax Currency Code	Tax Exchange Rate
Tax Percent Amount	Tax Registration Number	Tax Supplier Code
Tax Type Code	Taxable Amount	Taxation Data
Total Control Quantity	Total Tax Amount	Unit of Measure Code
Unit Price Amount	Value Added Tax-Code And Percent	VAT Category Code
VAT Percent	VAT Registration Number	

## 15. Chapter X12

**15.1. External Std X12 -- ANSI X12****Data Elements**

Acknowledgement Number	Actual Shipment Method Code	Adjustment Sequence Number
Aircraft Registration Number	Available Stock Quantity	Balance Quantity
Batch Number	Bill of Lading Container Count	Bill of Lading Number
Bill of Lading Weight - Text	Carrier Name	Cash Discount Percent
Cash Discount Time	Category I Container Price Amount	Container Size and Weight - Text
Contract Number	County Sales Tax Percent	Customer Identification Code
Customer Order Number	Decrease Quantity	Discount Percent
Extended Value Total Amount	Harmonized Tariff Code	Increase Quantity
Inquiry Part Number	Interchangeability Code	Internal Routing Code
International Commodity Code	International Currency Code	Invoice Date
Invoice Net Amount	Invoice Number	Invoice Quantity
Invoice Tax Point Date	Invoice Type Code	Keyword Name
Last Purchase Order Number	Lead Time	Lease Indicator
Local Sales Tax Percent	Location Code	Manufacturer Code
Master Carton Number	Minimum Sales Quantity	Order Quantity
Order Receipt Date	Order Transaction Code	Other Charge Amount
Other Charge Code	Other Charges - Code and Amount	Packaging Code
Packing Sheet Number	Part Number	Payable Amount
Point of Use Location Name	Price Break Order Count	Price Break Price Amount
Price Break Quantity	Price Held Firm - Time	Priority Code
Procurement Discount Percent	Purchase Order Count	Quotation Date
Quotation Number	Quotation Quantity	Quotation Request Number
Reason for Part Number Change - Text	Reference Invoice Number	Release Date
Release Quantity	Remarks Text	Replacing Part Number
Response Part Number	Scheduled Shipping Date	Ship-To Code
Shipment Date Control Indicator	Shipment Quantity	Shipped From Location Code
Specified Shipping Date	Specified Shipping Method Code	Standard Package Quantity
State Sales Tax Percent	Supplier Code	Tax Amount
Tax Category Code	Tax Currency Code	Tax Exchange Rate
Tax Percent Amount	Tax Registration Number	Tax Supplier Code
Tax Type Code	Taxable Amount	Taxation Data
Total Control Quantity	Total Tax Amount	Unit of Measure Code
Unit Price Amount	Value Added Tax-Code And Percent	VAT Category Code
VAT Percent	VAT Registration Number	

## Annex 1.

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