

Field Inspection Checklist

Team Number: _____

Field Inspection Status (circle): **PASS / FAIL**

✓	Drive Team Members Present	Rule #	
	Coach (required), Driver 1 (required); Driver 2 (optional)	<C06>	
✓	Driver Station and Robot Controller Hardware Rules	Rule #	
	Driver Station consists only of one Android device (Circle): Motorola Moto G 2 nd Generation, Motorola Moto G 3 rd Generation, Motorola Moto G4 Play, Motorola Moto G5, Motorola G5 Plus, Motorola Moto E4, Motorola Moto E5, Motorola Moto E5 Play, or REV Driver Hub.	<RE07> <DS01>	
	Smartphone Robot Controller Android device (if used) is one of the following models (Circle): Motorola Moto G 2 nd Generation, Motorola Moto G 3 rd Generation, Motorola Moto G4 Play, Motorola Moto G5, Motorola G5 Plus, Motorola Moto E4, Motorola Moto E5, Motorola Moto E5 Play. The Android device's USB interface only connects to a REV Expansion Hub or a USB hub.	<RE07>	
	The touch display screen of the Driver Station must be accessible and visible to field personnel.	<DS02>	
	The Driver Station consists of no more than two of the allowed gamepads (Logitech F310, Xbox 360, wired Sony DualShock 4 for PS4, or Etpark Wired Controller for PS4) in any combination.	<DS03>	
	No more than one (1) optional external battery powered or unpowered USB hub is allowed.	<DS04>	
	No more than one (1) optional COTS USB external battery connected to the REV Driver Hub USB-C port or a USB hub connected to the smartphone Android Device is allowed.	<DS05>	
	Driver Station smartphone Android device (if used) USB interface is only connected to either a Mini USB to OTG cable or combination of cables connected to one USB Hub, or one gamepad USB cable connected to an OTG Micro Adapter.	<DS06>	
	Driver Station Carrier (if present) meets requirements.	<DS07>	
DS	RC	Driver Station (DS) and Robot Controller (RC) Software Rules	Rule #
		Android smartphone(s), REV Driver Hub, and REV Control Hub are named with the official team number followed by –DS or –RC as appropriate.	<RS01>
		Android operating system satisfies the requirements: Motorola Moto G 2 nd Generation, Motorola Moto G 3 rd Generation, Motorola Moto G4 Play – version 6.0 or higher. All other allowed Android devices –version 7.0 or higher.	<RS03>
		DS and RC apps are version 7.0 or higher and the DS and RC apps have the same version	<RS03>
	NA	REV Driver Hub (if used) operating system is version 1.1.0 or higher.	<RS03>
	NA	REV Driver Hub (if used) has Bluetooth turned off and Wi-Fi turned on.	<RS07>
NA		REV Control Hub (if used) operating system is version 1.1.2 or higher.	<RS03>
NA		REV Expansion Hub (if used) firmware version is 1.8.2 or higher.	<RS03>
NA		REV Control Hub (if used) has Wi-Fi turned on, Bluetooth is turned off, and the password is different than the factory default value of “password”.	<RS07>
		Android smartphones (if used) are set to airplane mode, Wi-Fi is turned on, and Bluetooth is turned off.	<RS07>
		Android devices are not connected to any local networks.	<RS09>
		All remembered Wi-Fi Direct Groups and Wi-Fi connections on Android devices have been removed.	

		Communication between the Robot and Driver Station is only through the RC and DS applications. Out of band communication is not allowed.	<RS09>
	NA	Driver Station uses the official FTC Driver Station app to control the Robot.	<RS06>
NA		The FTC Robot Controller app on the smartphone Android Device (if used) is the default application, the application launches, and no other messages pop up.	<RS05>
NA		Robot Controller is set to the correct Wi-Fi channel (if required by the competition).	<C14>
✓	Robot Operation Verified at the Playing Field		Rule #
		Robot Controller connects with the Driver Station.	
		Robot switches between autonomous and driver-controlled operation correctly.	<RS04>
		Robot starts and stops when commanded by the Driver Station.	
		The team understands how to disable their Robot, if instructed to do so by a referee.	
✓	Queuing Process Information Provided at the Playing Field		Rule #
		Team understands that software changes are not allowed in the Queue Area.	
		Team understands that the match schedule is only an estimate. Matches may start prior to or after the scheduled time. It is the team's responsibility to monitor schedule changes and show up when required.	
		Team knows that they are responsible for attaching their Team Supplied Alliance Marker on two sides of their robot before they approach the competition playing field.	<RG05>

General Comments or Reason(s) for Failure (if any):

Field Inspector