

Appendix C – Field Inspection Checklist

Team Number: _____

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

✓	Drive Team Members Present		Rule #
	Coach		<T8>
	Driver 1 (required); Driver 2 (optional); Human Player (optional)		<T8>
✓	Driver Station and Robot Controller Hardware Rules		Rule #
	Driver Station consists only of one Android device (Circle): ZTE Speed, 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, Google Nexus 5, or Samsung Galaxy S5.		<RE06> <RE16>a
	Robot Controller consists only of one Android device (Circle): ZTE Speed, 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, Google Nexus 5, or Samsung Galaxy S5. The Android device's USB interface only connects to the Core Power Distribution Module, a REV Expansion Hub, or a USB hub.		<RE06>
	Driver Station Android device 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.		<RE16>a&b
	No more than one (1) optional Commercial Off The Shelf USB external battery connected to the USB hub is allowed.		<RE16>c
	The Driver Station consists of no more than two of the allowed gamepads (Logitech F310 or Xbox 360 in any combination).		<RE16>a&d
	The touch display screen of the Driver Station must be accessible and visible to field personnel.		<RE16>e
DS	RC	Driver Station (DS) and Robot Controller (RC) Software Rules	Rule #
		Android operating system satisfies the requirements: ZTE Speed – version 4.4 or higher; Motorola Moto G4 Play, Motorola Moto G5, Motorola Moto G5 Plus, Motorola Moto E4, Motorola Moto E5 - version 7.0 or higher; all other allowed Android devices – version 6.0 or higher.	<RS03>
		The Android device is set to airplane mode, Wi-Fi is turned on, and Bluetooth is turned off.	<RS07>
		Robot is not connected to any local networks.	<RS10>
		Android device is named with the official team number followed by –DS or –RC as appropriate.	<RS01>
		Android Wi-Fi Direct device name does not include a newline character in the name.	
		All remembered Wi-Fi Direct Groups and Wi-Fi connections have been removed.	
		DS and RC apps are version 5.2 or higher and the DS and RC apps have the same version numbers.	<RS02>
		Communication between the Robot and Driver Station is only through the RC and DS applications. Out of band communication is not allowed.	<RS10>
	NA	Driver Station uses the official FTC Driver Station app to control the Robot.	<RS06>
	NA	The FTC controller app is the default application, the application launches, and no other messages pop up.	<RS05>
	NA	The FTC Wi-Fi Direct Channel Changing App is installed on the Robot Controller (for ZTE Speed devices only).	<RS08>
	NA	Robot Controller is set to the correct Wi-Fi Direct channel (Google Nexus 5 and Samsung Galaxy S5 do not support channel changing).	<T6>
✓	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 Stop Button, when pressed on the Driver Station, functions and stops the robot.		
	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.	<RG06>

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

I hereby state that all the above is true, and to the best of my knowledge all software, Driver Station and Robot Controller rules of the FIRST® Tech Challenge have been abided by.

Field Inspector

Team Student Representative