

## Software Inspection Check List

Team Number: \_\_\_\_\_

Overall Status (circle): **PASS / FAIL**

### Queuing Area Checklist:

Team	Inspector	Drive Team Members Present	
		Coach	
		Driver1	
		Driver 2 (optional)	
		<b>NXT Configuration</b>	
NA		Samantha unit has the latest firmware and competition connection settings flashed to it (see instructions below)	
		NXT named with team number (optional hyphenated letter appended)	RS2
		NXT Firmware Version (circle one)  <div style="display: flex; justify-content: space-around;"> <span>LabVIEW - 1.31 or newer</span> <span>ROBOTC - 9.0 or newer</span> </div>	RS3
		Samostat program is loaded on the NXT	RS4
		Program Chooser program is loaded on the NXT	RS5
		NXT Sleep Timer set to NEVER	RS6
		<b>Queuing Process</b>	
		Team understands that no software changes are allowed in Queue Area.	
		Team understands that the match schedule is only an estimate. Matches may start prior to or after the scheduled time and it is the teams' responsibility to monitor schedule changes and show up when required.	
NA		Team knows where to receive alliance flags and where to return them after the match.	

I certify that the robot is in the proper software configuration.

Queuing Area Inspection Completed by: \_\_\_\_\_

### How to Flash Samantha For Competition at Software Inspection

1. Obtain the flash drive created by the FTA/FCS Operator with the Samantha.hex file and network key folders loaded.
2. Turn off the main robot battery.
3. Remove the NXT USB cable from Samantha and insert the flash drive into the USB port on the Samantha.
4. Hold down the red button on the Samantha, then power on the robot battery. Release the red button when the LEDs on the Samantha light up.
5. The Samantha LEDs will complete TWO cycles of: Red-White-Blue-White-Red.
6. After two full light cycles are complete (approximately 40-seconds), remove the flash drive from the Samantha and reconnect the NXT USB cable.

**Important: ENSURE two full LED light cycles complete before removing the flash drive from the module.**

## Field Inspection Checklist:

Team	Inspector	Field Setup
NA		Connection with tournament-supplied FCS is successful
		Robot Setup procedure on the field is understood by the team and is successful
		<b>Robot Functionality</b>
		(Optional) Robot successfully ran an Autonomous program
		Robot did not move prior to the start of the Autonomous period except for servo initialization
		Robot did not move between the Autonomous and Driver-Controlled periods
		Robot's Driver-Controlled mode started when commanded to do so by the FCS
		Robot stopped at the end of the Driver-Controlled period
		<b>Match Process</b>
NA		Team understands how to call for FTA assistance during a match
		Team understands they cannot touch any robot or field element after the match ends until instructed to do so by the referees
		Teams understand they are to clear the alliance station as soon as the match ends with one team member remaining behind to collect the robot

I hereby certify that this team has demonstrated their understanding of the match process, their ability to properly control their robot, and that their robot operates as required during a match.

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


\_\_\_\_\_  
Software Field Inspector

\_\_\_\_\_  
Team Student Representative