



Team Update 16

General Notes

- **Drawing Update.** Please note, there are two types of points that will be used on LIFTS at 2017 events, *GE-17064 Peg, Point* (black ABS) and *GE-17064 Peg, Point, Rev A* (white HDPE).
- **NI Update.** An optional update to the [NI FRC Update Suite \(17.2.0\) has been posted](#). This update contains modifications to the Dashboard and LabVIEW code to improve the reliability of the Dashboard connecting to USB camera streams for teams using LabVIEW. Teams that still see issues at their event should try restarting Robot Code from the Driver Station and talk with their CSA.
- **Connectivity Reminders:**
 - To connect to the Field Management System at events, your Driver Station must have an Ethernet port (per R98).
 - Rookie teams should make sure to bring the USB-to-Ethernet adapter provided in the Yellow Tote of your Kickoff Kit.
- **Event Rules.** The edit below was made to the [Rules & Expectations for FIRST Robotics Competition Events page](#) because it duplicates E32-2.

~~**E31. No more than five members of each team (one must be an adult mentor) are permitted.**~~

5 Safety Rules

S07. Keep your limbs safe ~~hands “inside” the vehicle at all times.~~ During the MATCH, the PILOT may neither

- A. contact ROTORS,
- B. contact DAVITS,
- C. reach outside any port (except for incidental and brief excursions outside the port and above the deck, required to manipulate the carriage assembly), nor
- D. contact any part of a deployed (i.e. any part of the ROPE is below the deck of the AIRSHIP) ROPE.

Reaching outside a port to retrieve a GEAR is a violation of S07-C, as retrieving a GEAR is not manipulating the carriage assembly.

Reaching outside a port to untangle a pull handle or pull cord is not a violation of S07-C, as those elements are part of the carriage assembly.

Violation: YELLOW CARD



10.7 YELLOW and RED CARDS

Table 10-4: YELLOW and RED CARD application

Time YELLOW or RED CARD earned:	MATCH to which CARD is applied:
prior to the start of Qualification MATCHES	Team's first Qualification MATCH
during the Qualification MATCHES	Team's current (or just-completed) MATCH. In the case where the Team participated as a SURROGATE in the current (or just completed) MATCH, the card is applied to the Team's previous MATCH (i.e. the Team's second Qualification MATCH.)
between the end of Qualification MATCHES and the start of Playoff MATCHES	ALLIANCE'S first Playoff MATCH
during the Playoff MATCHES	ALLIANCE'S current (or just-completed) MATCH.

10.12.3.7 FIRST® Championship Eligibility for District Teams

Table 10-11: District slot allocations for FIRST Championship

			Chairman's Award			Dean's List Award			Engineering Inspiration Award			Rookie All Star Award		
			District Selection			District Selection			District Selection			District Selection		
			Max Ratio	Min Ratio		Max Ratio	Min Ratio		Min	Max		Min	Max	
FIRST Championship Normalized Slots			18	9		9	6							
FIRST Championship Slots														
FIRST Championship St. Louis														
FIRST Chesapeake	23		1	3	2	3	4	4	1	2	2	1	2	1
FIRST in Michigan	82		5	9	5	9	14	14	1	2	1	1	2	2
Indiana FIRST	10		1	1	1	2	2	2	1	2	1	1	2	1
Mid-Atlantic Robotics	22		1	2	2	2	4	4	1	2	2	1	2	1
New England	37		2	4	4	4	6	56	1	2	2	1	2	2
Ontario	29		2	3	3	3	5	5	1	2	1	1	2	1
FIRST Championship Houston														
FIRST Israel	16	13	1	1	1	2	2	2	1	2	2	1	2	1
FIRST North Carolina	15	12	1	1	1	2	2	2	1	2	2	1	2	1
Pacific Northwest	39	32	2	4	3	4	5	5	1	2	2	1	2	2
Peachtree	18	15	1	2	1	2	3	3	1	2	2	1	2	1