

Team Update 10

General

- **Award Descriptions:** The following language was added to the descriptions of Rookie All Star and Engineering Inspiration Awards on the [Awards Based on Team Attributes](#) page.

An interview room may be used for this award at the District Championships. Please consult your district leadership with any questions.

- **Inspection Checklist Updates:** Revision 1.1 includes the following edits:
 - A typo referencing the wrong year was fixed in *Team Compliance Statement*.
 - The *Starting Configuration* item was moved from *Mechanical* to *Initial Inspection*
 - Parenthetical references to the ¼ in. gap permitted in [Team Updates 9 & 10](#) were added to items in *Standard Bumpers* as appropriate.

Rules & Expectations for *FIRST* Robotics Competition Events

General Rules

E14-6. Wireless ROBOT control is only permitted on the FIELD or Practice FIELD. ROBOTS must be operated by tether when outside the FIELD or Practice FIELD. Violations of this rule will result in a verbal warning. Repeated violations will be addressed by the Head REFEREE, the Lead ROBOT Inspector and/or Event Management.

E14-7. If operating wirelessly on the Practice FIELD, ROBOTS must use the provided Practice Field radio for communication. A violation of this rule will result in a verbal warning. Repeated violations will be addressed by the Head REFEREE, the Lead ROBOT Inspector and/or Event Management.

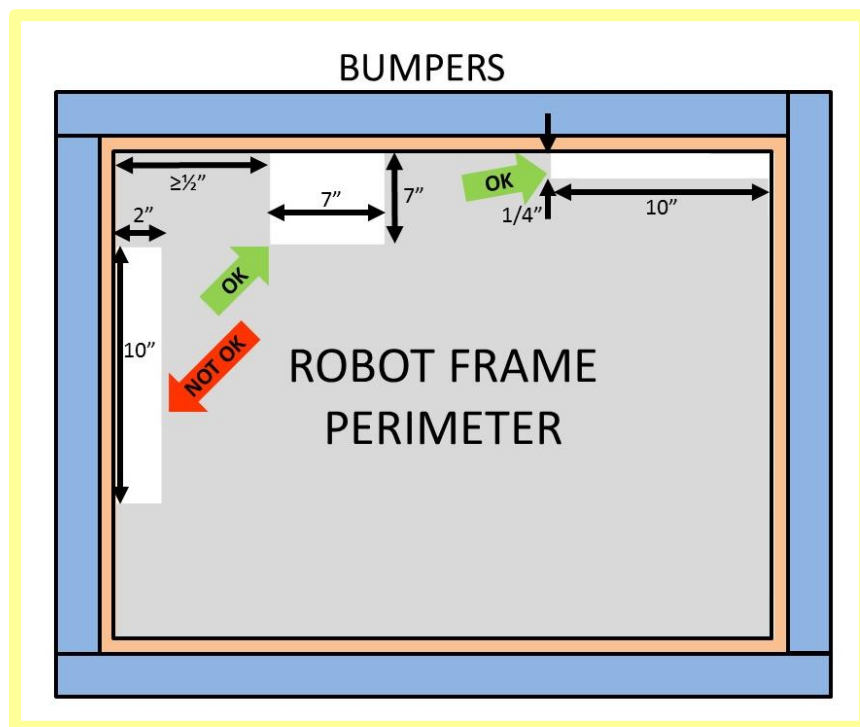
Game and Season Manual

Section 8.5 BUMPER Rules

R32. BUMPERS must be supported by the structure/frame of the ROBOT (see Figure 8.8). To be considered supported, a minimum of ½ in. (~12.7 mm) at each end of each BUMPER wood segment must be backed by the FRAME PERIMETER (\leq ¼ in. gap). “Ends” exclude hard BUMPER parts which extend past the FRAME PERIMETER permitted by R30, part B. Additionally, any gap between the backing material and the frame:

- A. must not be greater than ¼ in. (~6 mm) deep, or
- B. not more than 8 in. (~20 cm) wide

Figure 8-8: BUMPER support examples



Section 8.9 Pneumatic System

R83.

The following devices are not considered pneumatic devices and are not subject to pneumatic rules (though they must satisfy all other rules):

- A. a device that creates a vacuum
- B. closed-loop COTS pneumatic (gas) shocks
- C. air-filled (pneumatic) wheels
- D. pneumatic devices not used with pressurized air

Section 10.11.3 *FIRST* Championship Playoffs

Table 10-5 has been updated to include ALLIANCE color assignments and make sure that no one ALLIANCE is assigned the same ALLIANCE color throughout the Round Robin tournament.

Table 10-5: Championship MATCH order

Round	MATCH	Houston				Detroit			
		Mass		Energy		Mass		Energy	
		Red	Blue	Red	Blue	Red	Blue	Red	Blue
1	1	Carver	Turing			Archimedes	Tesla		
	2			Galileo	Roebing			Carson	Darwin
	3	Hopper	Newton			Curie	Daly		
2	4			Carver	Roebing			Archimedes	Darwin
	5	Turing	Newton			Tesla	Daly		
	6			Galileo	Hopper			Carson	Curie
3	7	Carver	Newton			Archimedes	Daly		
	8			Roebing	Hopper			Darwin	Curie
	9	Turing	Galileo			Tesla	Carson		
4	10			Carver Hopper	Hopper Carver			Archimedes Curie	Curie Archimedes
	11	Newton	Galileo			Daly	Carson		
	12			Roebing	Turing			Darwin	Tesla
5	13	Carver Galileo	Galileo Carver			Archimedes Carson	Carson Archimedes		
	14			Hopper	Turing			Curie	Tesla
	15	Newton	Roebing			Daly	Darwin		

