

GAME - Team UPDATE - 2012-01-24  
GAME

## General Announcements

### The Arena

The Game Specific Field Drawings have been updated to include detail on the color of the polycarbonate used on the Hoops

### Control System


National Instruments has released an optional update for the Utilities portion of the FRC Software 2012. For download and details, please visit <http://joule.ni.com/nidu/cds/view/p/id/2262> .

If you have not already installed the first version of this update, you must install this update in order to compete in the *FIRST* Robotics Competition. If you have already installed the first update, this is an optional update.

Because this software also contains the update to the cRIO Imaging Utility, this update also applies to teams using Java and C/C++.

### Kit of Parts

The “Where to Get More” document has been updated to include information about sourcing the competition carpet.

Robot Actions   
[G20]

Robots in contact with the carpet and/or Key on their Alliance Station end of the Court are limited to 60 in tall. Otherwise, Robots are limited to 84 in tall.

*Violation: Foul; or Technical-Foul for repeated or continuous violation.*

## Bumper Rules

[R27]

Figure 4-3 has been updated to correct the portrayal of the Frame Perimeter. The image intends to portray a nuance that bumper material assembled per the rules in Section 4.1.6, which is not along the Frame Perimeter, is not considered an official Bumper. Whether in contact with the official Bumper segment that is running along the Frame Perimeter, or not, padding placed inside the Frame Perimeter is not considered an official Bumper and thus Rule [R03-B] does not apply.

## Motors & Actuators

[R48]

The only motors and actuators permitted on 2012 FRC Robots include:

11. drive motors or fans that are part of a speed controller or COTS computing device and fans included in the 2012 Kit of Parts