

January 23, 2007

TEAM UPDATE #5

GENERAL NOTICES

A software tool is now available for all FRC Teams to aid in developing strategy when playing Rack 'N' Roll. This tool calculates the score on The Rack based on the rules outlined in 7.3.6 of the 2007 FRC Manual. A User's Guide and the software itself can be downloaded from the following link:

<http://www.usfirst.org/community/frc/content.aspx?id=4186>

Section 0 - Introduction

No changes.

Section 1 - Communication

No changes.

Section 2 – Team Organization

No changes.

Section 3 – At the Events

Section 3 – At the Events, Rev A has been modified to include the following changes:

Section 3.3.4 has been updated to state that:

3.3.4 NEW: Mandatory Safety Glasses - They aren't forehead protectors

NEW: *FIRST* requires all teams to bring and supply, for each competition, ANSI-approved **non-shaded** safety glasses for its team members, mentors, and guests.

For our purposes, amber lenses that allow for better/brighter vision are considered tinted, not shaded, and their use is allowed at *FIRST* events. Sunglasses or deeply shaded safety glasses used in our indoor event environment are not acceptable.

Students and adult team members and guests must wear approved safety glasses when:

- **NEW:** Entering the Pit
- Uncrating the robot
- **In the Pit, everyone must wear them at all times**
- Working on the robot
- When observing any robot building/repair work
- While competing – mentor, human player, 2 operators

Operators, players, and mentors will not be allowed on the competition field without approved safety glasses. Regular glasses do not qualify as safety glasses, and *you must use approved safety goggles over them*. Goggles are not required over glasses if the glasses are ANSI-approved with side shields.

Section 4 – Robot Transportation

Section 4 – Robot Transportation, Rev B has been modified to include the following changes:

Section 4.2 has been updated to state that:

° Ship the two (2) Kit of Parts 12VDC batteries inside their original box or carton packaging. Additional batteries can be shipped or brought with you.

Section 5 - The Awards

No changes.

Section 6 – The Arena

No changes.

Section 7 – The Game

No changes.

Section 8 – The Robot

Section 8 – The Robot, Rev C has been modified to include the following changes:

The last line in Rule <R11> has been updated to state that:

In particular, these items are subject to the shipping deadlines specified in Section 4 and must ship in the crate with the rest of the ROBOT.

Clarification statements on Section 8 – The Robot, Rev C

~ Under Rule<R105>, the only pneumatic cylinders permitted are those that are identical to the Bimba Custom Cylinder Order form found on the last page of the Pneumatics Manual.

~ Batteries will be inspected by part number, not by rating or serial number.

Section 9 – The Tournament

No changes.

Section 10 – Kit of Parts

No changes.

Documents and Updates

No changes.

2007 *FIRST* Guidelines, Tips, and Good Practices

FIRST Guidelines, Tips and Good Practices

(Link from Competition Manual - Section 8, [Related Documents & Resources](#))

This document is intended to provide fundamental information, useful thoughts, ideas, and basic direction as teams design and build a robot. The document includes resources and a list of Suppliers providing materials and support to FRC teams. *FIRST Guidelines, Tips and Good Practices* also includes a “Where To Buy” chart to aid in shopping for additional Kit of Parts items.

The Question & Answer System

No changes.