

January 21, 2010

TEAM UPDATE #4

GENERAL NOTICES

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No change.

Section 1 – Introduction

No change.

Section 2 – The Arena

Team Drawings:

The Team Drawings have been updated to correct the length of the peg. Also, the older revision of TE11004 has been removed from the drawing package.

Section 3 – The Game

Section 3, The Game, Rev D has been updated to incorporate the following edits:

<G32> Neither ROBOTS, HOSTBOTS, nor MINIBOTS may break the planes of the vertically projected borders of the opponent's ZONES, including a GAME PIECE in their POSSESSION. Momentary incursions by a POSSESSED GAME PIECE will not be penalized if they do not make contact with anything in the ZONE.

<G39> ROBOTS and FEEDERS may not SCORE on opponent's PEGS or de-score opponent's GAME PIECES.

<G49> ROBOTS may not attempt to POSSESS a GAME PIECE that is being POSSESSED by an opponent another ROBOT.

<G67> was updated to correct the misspelling of MINIBOT.

Section 4 – The Robot

Section 4, The Robot, Rev D has been updated to incorporate the following edits:

<R49> ROBOTS must be controlled via the programmable National Instruments cRIO-FRC (National Instruments part number 780406-01). Other controllers shall not be used.

As long as the CAN bus is wired legally so that the heartbeat from the cRIO is maintained, the closed loop control features of the Jaguar motor controller may be used. (That is, commands originating from the cRIO to configure, enable, and specify an operating point for all Jaguar closed loop modes fit the intent of <R49>.)

<R92-H> Raw aluminum sheet, 90° angle, u-channel, tube, bar, that is not sold in pre-perforated or pre-punched form.

A note about the edit to R92-H:

The original intent of R92-H was to allow teams to use raw aluminum. We appreciate that the intent was not clear in the original verbiage, and for that, our apologies.

Throughout the process, and especially in public statements, we have been transparent and unambiguous that the minibot is an opportunity for *FIRST* to prominently feature and reflect support for our family of programs. This is a golden opportunity to show that support, and we have taken advantage of it. We were clear in our comments at kickoff that we are using this competition, in part, to support FTC and FLL. There is no secret plan; it is a wide open plan. Supporting *FIRST* means supporting FTC and FLL and their kits.

Section 5 – The Tournament & The Kit of Parts

No change.