



AIM High - Inspection Guidelines

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Appendix A – Robot Inspection Guidelines

A.1 – Overview

This section describes Robot Inspection for the CREATE's AIM High Challenge. It also lists the inspection definitions and inspection rules.

A.2 – Description

The *robot* will be required to pass a full inspection before being cleared to compete. This inspection will ensure that all *robot* rules and regulations are met. Initial inspections will take place during team registration/practice time. The official “AIM High - Robot Inspection Sheet” is another important document which can be used by teams as a guide to pre-inspect their robot. The “AIM High - Robot Inspection Sheet” can be found on the CREATE – AIM High Challenge page of the CREATE website: www.CREATE-Found.org.

A.3 – Definitions

Robot – An operator controlled vehicle designed and built by a CREATE – AIM High team to perform specific tasks while competing. The robot can be constructed using only approved components and will be built to exact specification. No other parts will be allowed on the robot. Prior to participating in the competition, each *robot* will be required to pass an inspection.

Robot Size – The robot will be measured and must be within 1/2” in all dimension of the robot specified for 2012/2013. (See the CREATE – AIM High Robot Section” of the CREATE – AIM High challenge manual for full details.

A.4 – Inspection Rules

- <I1> The team's *robot* must pass inspection before being allowed to compete. Noncompliance with any *robot* design or construction rule may result in disqualification of the robot at an event.
- <I2> The Official Team Number must be displayed on the *robot* prior to inspection as defined in the Robot section of the manual.
- <I3> *Robot* construction is constrained by the components a team may use as defined in the Robot section of the manual.
- <I4> The robot size must be within ½” in all dimensions of the 2012/2013 specified robot.
- <I5> When a team makes a modification to improve performance or reliability of their *robot*, the team may request a re-inspection of their robot by an Inspector.
- <I6> Inspectors evaluate *robots* to ensure each *robot* has been designed to operate and function safely. The *robot* must be designed for safe operation and handling. Specific safety rules and limitations apply to the design and construction of a *robot*.
- <I7> A *robot* is deemed successfully inspected when all items listed on the “CREATE – AIM High Robot Inspection Sheet” have been recorded as passed by an Inspector.