

## Minibot Specifications

(in a post-FLR world)

- Alignment should not be more difficult than status-quo - e.g.: deployment alignment must not be more difficult than current Bident alignment (and may employ the current mechanism)
- Single-action deployment (one action from the cRIO standpoint)
- Minibot is protected from field environment
- Motor activation needs to be initiated by deployment, not by impact with post (this spec can be waived if acceptance test passed)
- Include section of post in parts kit
- Desired - fail-safe to prevent premature deployment
- Training requirement - Correct arm position for minibot deployment (to avoid breaking 84" cylinder)

## Acceptance Test

- Need to run robot with minibot on board through (5) consecutive practice sessions with op-for robot in aggressive play with deployment and successful race completion.
- Among minibots successfully meeting the acceptance test, the minibot with the shortest median time between start-of-deployment and race completion in 10 tests will be the minibot used for competition