

Use Case Vignette: Item Pick-Up

Description:

The TurtleBot drives to a target location to pick up an item. After a successful pick-up, it drives back to the initial location.

Primary Actor: TurtleBot Commander (TC)

Trigger: The TurtleBot Commander activates the search.

Main Success Scenario:

1. The TurtleBot receives the target location.
[rule PR_TB6: start up]
2. The TurtleBot leaves the home zone and drives to the target location.
[rule PR_TB7: leave home zone]
3. The TurtleBot enters the location zone.
[rule PR_TB8: enter location zone]
4. The TurtleBot waits for 30s for the pick-up activity to be completed.
[rule PR_TB9: pick-up waiting]
5. The TurtleBot drives back to the initial location.
[rule PR_TB10: return to home]