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Version 3.0

Initial Release

Version 3.1

- Standardized formatting
- Removed parts tables under the field specifications from the Manifest
- Small wording additions in the Overview and Treasure Map sections for clarification
- The Route:
 - Added a section detailing how the route should be displayed on the robot
 - Added a section detailing initial robot starting state
 - Added a section detailing signal repetition
 - Added an example describing the requirement to complete destinations in order
 - Changed wording to clarify certain sections
 - \circ $\;$ Described in greater detail how to earn points from the treasure chest
 - Added a section describing the proper operation to earn points via the rotary encoder and the colors the RGB LED will be using
 - Changed the dead time between when Destination A changes to Destination C to a lockout time of 45 seconds; in this period of time Destination C will not be available for activation.
 - Added a section describing the location and operation of the green indicator LED
- Playing Rules:
 - Clarified the 'water' out of bounds section as including vertical space
 - Changed wording to clarify certain sections
 - Removed 250 point penalty for losing an appeal and added a note that points may be removed based at the judge's discretion
 - Clarified the time in which sequestering occurs and the need for 15 minutes between the end of sequestering and beginning of the matches
 - Clarified how the T-shirt points are earned
- Field Specifications:
 - Added a note referencing the CAD file and how to obtain it
 - Added paint specifications and table containing the paints used
 - Initial Signal:
 - Removed references to using NEC protocol and replaced with "Similar to NEC"
 - Updated image to show the location of Most Significant and Least Significant bits
 - Updated wording for clarification on the signal structure
 - Added Table Containing information on the IR LED used in the field

- Destination A and C:
 - Added the location of the green indicator LEDs and described which LED is associated with each button press
- The Water:
 - Added image to aid in correctly describing the zone encompassed by the water
 - Changed wording to clarify exactly where the water is located
- Destination B:
 - Added current approximate weight needed to depress the lever
 - Removed Home Depot references in parts table
- Added "Green indicator LED" section:
- Added parts table for Green LED indicator section
- Flag Destination:
 - Clarified that the wheel should fit over the knob supplied with the rotary encoder
- Treasure Chest:
 - Removed now defunct Home Depot references
 - Added links to websites where each item can be purchased
 - Added sinker weights to parts list
- Two Qualifying Rounds:
 - Clarified that rounds begin once the first IR signal is sent and end when Destination C is pressed, regardless of if it is correct or incorrect
- Scoring
 - Changed all point values except for time points, the maximum earnable points, not accounting for time points, is now 1500
 - Described how the robot should display the code and provided updated examples
 - Removed Destination B association with other points scoring opportunities
 - Added description on the process of earning flag raising points
 - Added partial points for partially raising the flag
 - Clarified the wording in the out of round points earning descriptions

• Edits missed in this release:

- Removal of the 150 partial points for delivering the chest without activating Dest.
 B; if the chest is delivered to the ship the full 300 points will be awarded regardless of the status of Dest. B
- The Date in the footer should read October 16, 2017

Version 3.2

- Updated Date and Version number
- Terminolgy:
 - Added "Treasure Chest" and "Pirate Flag" definitions to the terminology list
- Changed some wording to clarify sections of the Overview
- The Route:
 - Clarified destination ordering process regarding skipping a stage
 - Added Signal LED operation with respect to Dest. A
 - Various changes to wording for consistency
 - Elaborated on rotary encoder operation and scoring regarding encoder reset for overturning
 - Specified indicator LED locations
 - Added section allowing for robots to use indicator LEDs
- Playing Rules:
 - Added Indicator LED operation when incorrect button is pushed
 - Added maximum points deduction for frivolous appeals
 - Specified that no projectiles or microcontroller interference will be tolerated
 - Added limits for dropping the treasure chest
- Clarified wording in the Doubloon earning locations section
- Made clarifications in robot specifications section on size and no projectiles
- Added Team Logo Specifications
- Team Flag Specifications:
 - Added examples of bad materials
 - Clarified location of team flag and that the pirate flag is provided as part of the field
- Field Specifications:
 - Paint specifications:
 - Added image detailing locations of paint
 - Initial Signal:
 - Added section detailing voltage and resistance currently used in the IR LED
 - Dest. A/C
 - Added location of the Indicator LEDs
 - Updated lower image to include LED locations
 - Dest. B
 - This stage was redesigned and eliminated the spring
 - Rewrote section to reflect stage redesign
 - Changed activation weight to >0.5lb
 - Added limit switch to parts list table
 - Updated Figure 7 to reflect redesign

- Pirate flag:
 - Added field to encoder measurement
- Treasure chest:
 - Specified that 18" is from the center of the chest
- Scoring:
 - Elimination Round:
 - Added clarification on how the final round is scored in relation to the qualifying rounds.
 - Table 11:
 - Added route number reference for consistency in the *Display Correct Code* section.
 - Expanded *Move Treasure Chest* wording to better explain points qualification between moving and picking up the chest
 - Addressed questions about picking up the treasure chest vs. storing the chest such that picking up and/or storing will earn full points if the attempt is obvious
 - Added further wording to remove association between Destination B and the treasure chest
 - Removed 150 partial score for delivering the chest w/o activating Destination B