



# CHALLENGE



Team #	Match:	Referee:	Table:
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TEAM INITIALS:

		SCORE
<b>M00</b>	<b>EQUIPMENT INSPECTION BONUS</b> If all your equipment fits in the small inspection area: <span style="float: right;">20</span>	
<b>M01</b>	<b>INNOVATION PROJECT MODEL</b> If your Innovation Project Model has the following: <ul style="list-style-type: none"> <li>Made of at least two white LEGO® pieces.</li> <li>Measures at least as long as 4 LEGO “studs” in some direction.</li> <li>Has any part of it touching the CARGO CONNECT<sup>SM</sup> circle.</li> </ul> <span style="float: right;">20</span>	
<b>M02</b>	<b>UNUSED CAPACITY</b> If the hinged container is completely closed: <ul style="list-style-type: none"> <li>Partly full of contents (1-5 content pieces): <span style="float: right;">20</span></li> <li>Completely full of contents (All 6 content pieces): <span style="float: right;">30</span></li> </ul>	
<b>M03</b>	<b>UNLOAD CARGO PLANE</b> If the cargo plane has been prepared for unloading so that the cargo door rests completely down, touching its black frame: <span style="float: right;">20</span> If the cargo plane has been unloaded so that the container is completely separate from the plane: <span style="float: right;">10</span>	
<b>M04</b>	<b>TRANSPORTATION JOURNEY</b> If the truck has reached its destination, completely past its blue end line, on the mat: <span style="float: right;">10</span> If the airplane has reached its destination, completely past its blue end line, on the mat: <span style="float: right;">10</span> Bonus: If both the above are true: <span style="float: right;">10 Added</span>	
<b>M05</b>	<b>SWITCH ENGINE</b> If the engine has been switched from diesel to electric so that the yellow bar rests all the way down/south: <span style="float: right;">20</span>	
<b>M06</b>	<b>ACCIDENT AVOIDANCE</b> If your robot is parked over the blue accident-avoidance line at the end of the match and the yellow panel is: <ul style="list-style-type: none"> <li>Not knocked down: <span style="float: right;">20</span></li> <li>Knocked down: <span style="float: right;">30</span></li> </ul> <i>If the black frame is knocked down at the end of the match, this mission does not score.</i>	
<b>M07</b>	<b>UNLOAD CARGO SHIP</b> If the container is no longer touching the cargo ship’s east deck: <span style="float: right;">20</span> If the container is completely east of the cargo ship’s east deck: <span style="float: right;">10</span>	
<b>M08</b>	<b>AIR DROP</b> If the food package is separated from your helicopter: <span style="float: right;">20</span> If the food package is separated from the other field’s helicopter and is completely in your field’s CARGO CONNECT <sup>SM</sup> circle: <span style="float: right;">10</span> If both teams have separated their food packages from their field’s helicopters: <span style="float: right;">10</span>	
<b>M09</b>	<b>TRAIN TRACKS</b> If the train track is repaired so that it rests completely down/west: <span style="float: right;">20</span> If the train has reached its destination, latched at the end of the tracks: <span style="float: right;">20</span>	



		SCORE
<b>M10</b>	<b>SORTING CENTER</b> If the containers have been sorted so that the light orange container is the only container remaining completely in the blue sorting area box: <span style="float: right;">20</span>	
<b>M11</b>	<b>HOME DELIVERY</b> If the package has been delivered to its destination so that it is on the doorstep: <ul style="list-style-type: none"> <li>Partly: <span style="float: right;">20</span></li> <li>Completely: <span style="float: right;">30</span></li> </ul> <i>The package does not score if it is touching any equipment at the end of the match.</i>	
<b>M12</b>	<b>LARGE DELIVERY</b> If the turbine blade is touching only the blue holder and: <ul style="list-style-type: none"> <li>The mat: <span style="float: right;">20</span></li> <li>Nothing else: <span style="float: right;">30</span></li> </ul> If the chicken statue is upright with its base in its circle: <ul style="list-style-type: none"> <li>Partly: <span style="float: right;">5</span></li> <li>Completely: <span style="float: right;">10</span></li> </ul>	
<b>M13</b>	<b>PLATOONING TRUCKS</b> If both trucks are latched together completely outside of home: <span style="float: right;">10</span> If a truck is latched to the bridge: <span style="float: right;">10</span> Bonus: If both of the above are true: <span style="float: right;">10 Added</span>	
<b>M14</b>	<b>BRIDGE</b> If the bridge deck(s) have been lowered and rest on their center support: <span style="float: right;">10 Each</span>	
<b>M15</b>	<b>LOAD CARGO</b> If there are containers on and touching only the: <ul style="list-style-type: none"> <li>Platooning Trucks: <span style="float: right;">10 each (Max 20 points)</span></li> <li>Train: <span style="float: right;">20 each (Max 40 points)</span></li> <li>Cargo Ship’s West Deck: <span style="float: right;">30 each (Max 60 points)</span></li> </ul> <i>Containers on Platooning Trucks must be completely outside of home</i>	
<b>M16</b>	<b>CARGO CONNECT<sup>SM</sup></b> If there are containers in any circle: <ul style="list-style-type: none"> <li>Partly: <span style="float: right;">5 each</span></li> <li>Completely: <span style="float: right;">10 each</span></li> <li>If the blue (not hinged) container is completely in the blue circle: <span style="float: right;">20 added</span></li> <li>If the lime green container is completely in the lime green circle: <span style="float: right;">20 added</span></li> <li>If there are any circles with at least one container completely in them: <span style="float: right;">10 each circle</span></li> </ul>	
<b>M17</b>	<b>PRECISION TOKENS</b> If the number of precision tokens left on the field is: <p style="text-align: center;">1: 10      2: 15      3: 25      4: 35      5: 50      6: 50</p>	
<b>FINAL SCORE</b> (FINAL SCORE = SUM OF ALL VALUES IN THE “SCORE” COLUMNS)		
<b>RETURN LOOSE ITEMS</b> 1 Turbine Blade, 2 Platooning Trucks, 6 Container Contents, 1 Package, Containers – 4 Gray, 1 Lime Green, 1 Blue, 1 Light Orange & 1 Hinged, 1 Airplane, 1 Truck, 1 Train, 1 Food Package, 6 Precision Tokens, & 1 Chicken Statue		
<b>Gracious Professionalism® displayed at the robot game table:</b>		
DEVELOPING	ACCOMPLISHED	EXCEEDS
2	3	4