

6 GLOSSARY

Term	Definition
BOTTOM PORT	a 10 in. (~25 cm) tall, 2 ft. 10 in. (~86 cm) wide rectangle. The bottom edge is 1 ft. 6 in. (~46 cm) above the carpet.
BUMPER	A required assembly which attaches to the ROBOT frame
CONTROL	A ROBOT is in CONTROL of a POWER CELL if: A. the POWER CELL is fully supported by the ROBOT, B. the POWER CELL travels across the FIELD such that when the ROBOT changes direction, the POWER CELL travels with the ROBOT, or C. the ROBOT is holding a POWER CELL against a FIELD element in attempt to guard or shield it.
DRIVE TEAM	a set of up to five (5) people from the same FIRST Robotics Competition team responsible for team performance for a specific MATCH.
ELEMENT	chain. For the purposes of this challenge, the definition of chain is “a series of links or rings connected to or fitted into one another and used for various purposes (such as support, restraint, transmission of mechanical power, or measurement).” chain. For the purposes of this challenge, the definition of chain is “a series of links or rings connected to or fitted into one another and used for various purposes (such as support, restraint, transmission of mechanical power, or measurement).”
GROUP	the collection of teams that compete against each other for awards in a specific 2021 At Home Challenge
HUMAN PLAYER	a pre-college student DRIVE TEAM member who acts as a POWER CELL manager
INNER PORT	a 1 ft. 1 in. (~33 cm) diameter circle concentric with and 2 ft. 5¼ in. (~74 cm) behind (i.e. on the ALLIANCE STATION side of) the OUTER PORT. The center is 8 ft. 2¼ in. (~249 cm) above the carpet.
MARKER	physical objects with a minimal cross-section of 2.5 in (~63 mm) wide by 2.5 in (~63 mm) deep and at least 5 in (~127 mm) tall used to mark specific locations relevant to each challenge.
NAV POINT	specific locations marked on the Skills Competition General Layout Diagram and used to locate MARKERS or zones for specific challenges
OPERATOR CONSOLE	the set of COMPONENTS and MECHANISMS used by the DRIVERS and/or HUMAN PLAYER to relay commands to the ROBOT
OUTER PORT	a regular hexagon that measures 2 ft. 6 in. (~76 cm) in height. The center of the OUTER PORT is 8 ft. 2¼ in. (~249 cm) above the carpet.
POWER CELL	A yellow 7 in. (~18 cm) diameter Medium Bounce Dino-Skin foam ball. The FIRST logo may be printed on each ball in black ink. The ball is made by Flaghouse (PN 1892 YEL) and sold by AndyMark (PN AM-4200)
POWER PORT	a 10 ft. 2¼ in. (~310 cm) tall by 4 ft. (~122 cm) wide (excluding backboards) structure and is located between PLAYER STATIONS 1 and 2.
ROBOT	An electromechanical assembly built by the FIRST Robotics Competition team to play the current season’s game and includes all the basic systems required to be an active participant in the game –power, communications, control, BUMPERS, and movement about the FIELD.