

2018 Game - AtBC FAQ

- Will connector wires be counted in the dimension when measured? **No, but if wires are used for anything other than an electrical connection, they must be within the maximum dimensions.**
- How will percent score be calculated? **Total Score divided by Maximum Possible Score for individual round – on the Scoring Spreadsheet, not by the Judges.**
- Will the box be open or closed? **The box will have a closed bottom.**
- Can the box be moved outside the Box Fence or off the table? **Yes**
- Can the box be flipped over to cover the balls? **No, the box must remain upright.**
- Will power be supplied at impound? **No**
- Can Batteries be charged during impound? **No – the entire robot must be impounded, including rechargeable batteries.**
- Can the robot be made with Tennis Balls or Trash Objects? **The robot may not carry tennis balls or trash objects prior to start.**
- Can the robot have a separate additional motor that is turned on manually and runs all the whole game? **According to section 7F of the 2018 Game Rules (Final Version), Any number/type of motors/servo motors (multiplexor is OK to use). Motors must be controlled by a controller onboard the robot.**

Added March 6

- What is the official way to stop the game? When do the participants turn off the robot?
The game stops if:
 1. The end task is complete
 2. The team wants to end before 2:00 minutes and signals the judge
 3. When time is over.
- If the robot is still moving, the judge will then signal the team to stop the robot. The team should then stop the robot, but leave it in place. They should wait until scoring is completed and signed off before turning off or picking up the robot.
- Can teams decide where to place their robots North/South for the start of the game? **No, a North/South location will be specified. The information on where to place the robot will be provided on the Unknown Factor display and End Task, and a hard copy will be given to teams “Centered North/South in the starting zone” or “Front of robot is 5 cm from the North edge of the table” are two examples.**
- Is it acceptable to put the Robot ID label on a vertical surface of the robot. **Yes, as long as the label is visible.**
- What happens if the ball locations change because the team did not stop the robot immediately after time ran out. **The judge will determine the state of the scoring objects as time ran out and scored accordingly.**
- How is it scored if a ball is on top of the fence, not touching the table? **It is scored as inside the fence.**

- How is it scored if the ball is touching the ball box table and inside the fence area (#1 below) The ball is scored “in the fenced area”. A ball gets credit for one scoring criteria only. If it meets more than one scoring criteria, it is given the higher score.



- How is it scored if at the end of the round, a ball is being supported by the robot, another ball, the ball box, or a trash object? The ball is scored in the state it was when the round ended. In the example above, ball “1” and ball “2” are counted as “in the box fence” because they have been released by the robot. Ball “3” is counted as “on the robot” because it has not been released by the robot.
- How is it scored if a ball is on the robot, the robot is touching the table and inside the ball fence (Ball 3 above)? It is scored as “on the robot”. The ball must be released from the robot to be considered in the fence area.

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Added March 19

- Do all the missions have to be completed to get credit for end task? No, teams will get credit as long as the game ending mission is achieved at the end of the round.
- How is it scored if there is a bottle on board the robot? The bottle will be scored as “removed from the table” as long as it is not touching the top surface of the table, the ball fence or the ball box.