



## Standard Committee Homework

### 1 Handshake Protocol

JSON Protocol is considered for communication between opponents, and the proposed states can be seen below;

- Send\_Pairing\_Message{"1":"ID","2":"Pair"}
- ACK{"1":"ID","2":"ACK"}
- Send\_Stop(W){ "1":"ID","2":"STOP" }
- Send\_Ans(L){ "1":"ID","2":"OK" }

The proposed state machine for handshake protocol can be seen at **Appendix A**.

### 2 Path Structure

The path is proposed to have following properties:

- The color should be mat green or red.
- The elevation of the path should be 20mm

Both colors are tested using edge detection algorithm and best results obtained in specified colors.

## Appendices



