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# RoboCup@Home

## Network Specifications

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Version: 2020 Rev-1  
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# Chapter 1

## Guidelines — For reference only

### 1.1 Sydney 2019

- Directional antennas will be used on each arena
- Each league will have a separate SSID, on non-conflicting channels
  - OPL: AtHomeOPL
  - DSPL: AtHomeDSPL
  - SSPL: AtHomeSSPL
- Each team will have a separate vLAN
- Devices will be registered to the vLAN by MAC address, including:
  - Robots
  - Laptops
  - External devices
  - Non-registered devices will be prevented from connecting to the competition network
- No practice network (as some robots are difficult to re-configure)
- Network providers will
  - Monitor network traffic
  - Identify rouge devices and teams
  - Register devices to VLANs

## 1.2 Nagoya 2017

Robocup @home Network Diagram  
(2017.6.29)