

# DATA APPLIANCE RFP QUESTIONS

## SIMULATED IOT DATA AND DATA APPLIANCE FOR AR/IOT NETWORK CHALLENGE

Publish Date: 5/1/2020

### QUESTION:

For clarification, please confirm that the data structure of the sensors will not be provided? and it is the responsibility of the vendor to define the data structure for each of the sensors?

### ANSWER:

A data structure will be provided for each device type using a sample JSON format.

### QUESTION:

Is the requirement that the sensors be based on the commercially available off-the-shelf item? If so, is the vendor required to provide the sensor manufacturer and model number?

### ANSWER:

It is not required that they be off the shelf devices as we want to simulate the possibilities of advanced IoT or near future capabilities. However, sensors should approximate current state of the art or reasonable real-world devices that are likely to be developed or deployed in the IoT space in the near future.

No, the vendor is not required to provide the sensor manufacturer and model number.

### QUESTION:

When simulating the number of devices, can the data come from a single appliance?

### ANSWER:

Yes. Messages may be fed through a central IoT broker and need only be simulated as coming from any number of appropriate virtual IoT devices. Whatever service feeds the data to a broker would need to be reset so we can rerun scenarios for multiple challenge teams in a way that refreshes timestamps to appear current.

### QUESTION:

How will the AR devices connect with the data simulation appliance on physical and protocol layers?

### ANSWER:

AR devices will connect via standard Wi-Fi using TCP or HTTP. Message delivery may use standard protocols such as MQTT.

