What testers might want to know about IoT

- We are still learning and will be for a long time
- We need test beds at many levels, e .g. Device, Company, Industry segment, Government level
- We need knowledge of product lines, e.g. embedded, mobile, telecom/network, IT, and cloud/servers
- We need to know what standards, product and process, should be used or need to be created
- We need to understand test that there are "fail safe" breakers to protect users
- We have ubiquitous user interfaces for humans, software, hardware, systems, frameworks, and comm lines
- IoT works in the cyber-physical world

More requirements to test for?

- **Regulation Compliance**
- **Functionality**
- **Interoperability**
- **Scalability rating**
- **Devices id and communication ratings (I speak/use x, y, z comms)**
- **Heterogeneity**
- **Standards conformance**
- **Component interface compatibility**
- **Network Connectivity**
- **Performance**

- **Time-Awareness**
- **Location-Awareness**
- **Use Context-Awareness**
- **Content-Awareness**
- **Reliability and trustworthiness**
- **Security**
- **Confidentiality and Privacy**
- **Manageability**
- **Risks**