



## Internet of Things – Reference Architecture

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These standards together provide a standardized IoT Reference Architecture using a common vocabulary, reusable designs, and industry best practices.

### **INCITS/ISO/IEC 30141:2018[2021]**

Internet of Things (IoT) - Reference Architecture

This standard provides a standardized IoT Reference Architecture using a common vocabulary, reusable designs and industry best practices. It uses a top down approach, beginning with collecting the most important characteristics of IoT, abstracting those into a generic IoT Conceptual Model, deriving a high-level system based reference with subsequent dissection of that model into five architecture views from different perspectives.

### **INCITS/ISO/IEC 30141:2018/COR1:2018[2021]**

Internet of Things (IoT) - Reference Architecture - Technical Corrigendum 1

This standard provides the overview and requirements of a network management system in underwater acoustic sensor network (UWASN) environment. It specifies the following: - functions which support underwater network management system; - entities required for underwater network management system; - data about the communication between elements in underwater network management system; - guidelines to model the underwater network management system; - general and functional requirements of underwater network management system

### **INCITS/ISO/IEC 20294:2021[2021]**

Information technology - Internet of Things (IoT) - Vocabulary

This standard provides a definition of Internet of Things along with a set of terms and definitions. This document is a terminology foundation for the Internet of Things.

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### **INCITS/IoT Technical Committee**

The [INCITS/Internet of Things](#) technical committee will address standardization in the areas assigned to ISO/IEC JTC 1/SC 41 which has the following terms of reference:

Standardization in the area of Internet of Things, Digital Twin, and related technologies including Maritime, underwater IoT, and Digital Twin applications.

- Serve as the focus and proponent for JTC 1's standardization programme on the Internet of Things and Digital Twin, including their related technologies.
- Provide guidance to JTC 1, IEC, ISO and other entities developing Internet of Things and Digital Twin related applications.

INCITS/Internet of Things is the U.S. TAG to ISO/IEC JTC 1/SC 41.

To learn more about the activities of the technical committee and how to participate in the development of these and other deliverables, please contact [INCITS](#).

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