

IEC 62541-14 OPC Unified Architecture - Part 14: PubSub

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Table 1: Data sheet for OPC Unified Architecture - Part 14: PubSub

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Note: The following is an excerpt from the official IEC catalog. It is provided here as a convenience and is not authoritative. Refer to the original document as the authoritative reference.

Abstract

IEC 62541-14:2020 defines the OPC Unified Architecture (OPC UA) PubSub communication model. It defines an OPC UA publish subscribe pattern which complements the client server pattern defined by the Services in IEC 62541-4. IEC TR 62541-1 gives an overview of the two models and their distinct uses. PubSub allows the distribution of data and events from an OPC UA information source to interested observers inside a device network as well as in IT and analytics cloud systems.

This document consists of

- a general introduction of the [Publish-Subscribe \(PubSub\)](#) concepts,
- a definition of the PubSub configuration parameters,
- mapping of PubSub concepts and configuration parameters to messages and transport protocols, and
- a PubSub configuration model.

Not all OPC UA Applications will need to implement all defined message and transport protocol mappings. IEC 62541-7 defines the Profile that dictates which mappings need to be implemented in order to be compliant with a particular Profile.

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