Appendix J: Acronyms

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Acronym	Meaning
API	Application Programming Interface
CORBA	Common Object Request Broker Architecture
DCPS	Data-Centric Publish-Subscribe
DDS	Data Distribution System
DDSI	Data-Distribution Service Interoperability (see also RTPS)
DDS-Java	OMG: Java 5 Language PSM for DDS (DDS-Java)
DDS-JSON	OMG: DDS Consolidated JSON Syntax (DDS-JSON)
DDS-OPCUA	OMG: OPC-UA/DDS Gateway (DDS-OPCUA)
DDS-PSM-Cxx	OMG: ISO/IEC C++ 2003 Language DDS PSM (DDS-PSM-Cxx)
DDS-RPC	OMG: RPC Over DDS (DDS-RPC)
DDS-SECURITY	OMG: DDS Security (DDS-SECURITY)
DDS-TSN	OMG: DDS-Time Sensitive Networks (DDS-TSN)
DDS-WEB	OMG: Web-Enabled DDS (DDS-WEB)
DDS-XML	OMG: DDS Consolidated XML Syntax (DDS-XML)
DLRL	Data Local Reconstruction Layer
DoD	U.S. Depart of Defense
FACE	Future Airborne Capability Environment
GVA	General Vehicle Architecture
HWIL	Hardware-in-The-Loop
ID	Identifier
IDL	Interface Definition Language
IEEE	Institute of Electrical and Electronics Engineers
IoT	Internet of Things
IIoT	Industrial Internet of Things
IP	Internet Protocol
MDA	Model Driven Architecture
MDA	Missile Defense Agency
MOSA	Modular Open Systems Approach
MQ	Message Queue
OMG	Object Management Group
OSF	Objective Simulation Framework
OPC	Open Platform Communications
OPC-UA	OPC Unified Architecture
QoS	Quality of Service
PIM	Platform Independent Model
PSM	Platform Specific Model
RFP	Request For Proposal
RFC	Request for Comment
RFI	Request for Information
RPC	Remote Procedure Call

Acronym	Meaning
RTI	Vendor: Real-Time Innovations (RTI)
RTPS	Real-time Publish-Subscribe Protocol (see also DDSI)
RTPS TCP/IP PSM	OMG: RTPS TCP/IP PSM for DDS Interoperability
SCADA	Supervisory Control and Data Acquisition
SIG	Special Interest Group
SOSA	Sensor Open System Architecture
SPI	Service Plugin Interface
SSL	Secure Sockets Layer
TCP	Transmission Control Protocol
TLS	Transport Layer Security
TSN	Time-Sensitive Networks
UDP	User Datagram Protocol
UID	Unique Identifier
UAV	Unmanned Aerial Vehicles
UML	Unified Modeling Language
VDS	Virtual Dedicated Server
VPS	Virtual Private Server
XRCE	Extremely Resource Constrained Environments
XTypes	Extensible And Dynamic Topic Types

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