

# Appendix J: Acronyms

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

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

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