



OBJECT MANAGEMENT GROUP ®

TC Meeting Date: 09 December 2016  
Reporting Chair: Char Wales  
Group page (URL): <http://mars.omg.org/>  
Group email: mars@omg.org

## MARS – Middleware And Related Services

- **Highlights from this Meeting:**

- DDS XML Consolidation RFC: Reviewed second draft, reorganized per building-blocks
- XML to JSON for DDS: Delayed until DDS XML Consolidation done
- TCP/IP PSM for DDS Interoperability: Recast as a RFP
- IDL4 to Language Mappings: New approach starting with a prototype for Java 8
- IEF Reference Architecture: Reviewed major elements of Revised Submission
- Data Residency: Position paper in preparation to consolidate all the responses of the RFI and lay out next steps
- SBC/SDR: Explored creating a WG to expand the scope beyond military radios (in Space, Manufacturing, Healthcare...)



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- **Deliverables from this Meeting:**

- Technology Adoption Recommendation(s)
  - N/A
- RFP/RFI/RFC Recommendation(s)
  - N/A

- **Future Deliverables (In-Process):**

- Technology Adoptions
  - DDS- XRCE (eXtremely Resource Constrained Environments)
  - DDS to OPC UA (Open Platform Communication - Unified Architecture) Gateway
  - DDS XML Consolidation RFC
  - IEF (Information Exchange Framework) Reference Architecture; revised submission date extended to February 20<sup>th</sup> 2017, 4 wk deadline for Reston
  - UML Profile for ROSETTA (Relational Oriented Systems Engineering Technology Tradeoff Analysis) RFC
- RFP/RFI Recommended
  - TCP/IP PSM for DDS Interoperability RFP
  - IDL to Java 8 Mapping RFP/RFC?

- **Liaisons**

- None



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- **Agenda Items for the Next Meeting:**

- DDS XML Consolidation RFC: Recommend issuance
- DDS-XRCE: Review Revised Submission
- DDS to OPC/UA Gateway: Review Revised Submission
- IEF Reference Architecture: Review Revised Submission and recommend adoption?
- IDL to Language Mappings Best Practices Discussion Paper: Review early draft
- IDL to Java 8 Mapping RFP/RFC: Review draft
- UML Profile for ROSETTA RFC: Review draft
- Data Residency Discussion Paper: Approve for publication?
- WGs to meet: IDL, SBC/SDR, HPEC?
- IEF Info Day (half day or full day)