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…)
• 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 20th 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
• 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 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)