MARS – Middleware And Related Services

• **Highlights from this Meeting:**
  
  – DDS to OPC/UA Gateway: Progress report on revised submission; extended submission date two meeting cycles
  
  – DDS-XRCE: Revised submission presentations (2); Evaluation team formed, initial report in Burlingame
  
  – IDL4 to Java Language Mapping: Reviewed Draft RFP
  
  – IEF Policy-Based Packaging Service: Discussed & revised draft RFP
  
  – UML Profile for ROSETTA: Reviewed Draft RFC and Case Studies
  
  – SNC RFI: Reviewed RFI and voted to issue
  
  – DDS JSON: Discussed way forward and agreed to draft RFP
  
  – TCP/IP PSM for DDS Interoperability RFP: Reviewed final RFP and voted to issue
  
  – DIDO Discussion Paper: Reviewed content of potential DIDO Reference Architecture
• **Deliverables from this Meeting:**
  - Technology Adoption Recommendation(s)
    - N/A
  - RFP/RFI/RFC Recommendation(s)
    - Secure Network Communications RFI
    - TCP/IP PSM for DDS Interoperability RFP
  - TF Documents Issued
    - N/A

• **Future Deliverables (In-Process):**
  - Technology Adoptions
    - DDS-XRCE (Extremely Resource Constrained Environments): extended revised submission to 19 February 2018
    - DDS to OPC UA (Open Platform Communication - Unified Architecture) Gateway: extended revised submission to 19 February 2018
    - TCP/IP PSM for DDS Interoperability: Initial submission 19 February 2018
  - RFP/RFI/RFC Recommendations
    - IDL4 Language Mapping RFP
    - UML Profile for ROSETTA (Relational Oriented Systems Engineering Technology Tradeoff Analysis) RFC
    - DDS JSON Mapping RFP
    - IEPPS (IEF Policy-based Packaging Service) RFP

• **Liaisons**
  - None
• Agenda Items for the Next Meeting:
  – IEF Policy Based Packaging Service RFP: Review and issue
  – IDL4 to Java Mapping RFP: Review and issue
  – UML Profile for ROSETTA RFC: Review and issue
  – DDS-XRCE: Review evaluation team progress report
  – Preparing IDL 4.2 for ISO: Progress report
  – DIDO Discussion Paper: Review next draft
  – Data Residency Maturity Model: review draft discussion paper
  – WGs to meet: IDL, IEF, SBC/SDR
  – DDS XRCE Evaluation Team to meet