MARS – Middleware And Related Services

• **Highlights from this Meeting:**
  - DDS-XRCE: Evaluation team initial report out, final report in Reston
  - IDL4 to Java Language Mapping: Reviewed RFP and voted to issue
  - IEF Policy-Based Packaging Service: Reviewed RFP and voted to issue
  - UML Profile for ROSETTA: Reviewed RFC and voted to issue
  - DDS JSON Mapping: Reviewed draft RFP
  - DIDO Networks Reference Architecture Discussion Paper: Reviewed & continued to draft
  - Data Residency Maturity Model: Reviewed discussion paper and voted to issue
  - DDS and Time Sensitive Networks: Discussed technology and potential for new RFP
  - Recasting IDL 4.2 for ISO: Reviewed progress and started draft explanatory report
  - MARTE 2.0 RFP: Presented results of requirements gathering
  - Pedigree & Provenance WG: (Joint with Finance) Request for data lineage Use Cases
  - TCP/IP PSM for DDS: Re-opened and extended LOI date by 3 weeks
  - SNC RFI: Extended response date to Boston
• **Deliverables from this Meeting:**
  – Technology Adoption Recommendation(s)
    • None
  – RFP/RFI/RFC Recommendation(s)
    • IEF Policy Based Packaging Service RFP
    • IDL4 to Java Language Mapping RFP
    • UML Profile for ROSETTA RFC
  – TF Documents Issued
    • Data Residency Maturity Model Discussion Paper

• **Future Deliverables (In-Process):**
  – Technology Adoptions
    • DDS-XRCE (Extremely Resource Constrained Environments): Revised submission 19 February 2018
    • OPC-UA (Open Platform Communication - Unified Architecture) / DDS Gateway: Revised submission 19 February 2018
    • TCP/IP PSM for DDS Interoperability: Initial submission 19 February 2018
    • IDL4 to Java Language Mapping: Initial submission 27 August 2018
    • IEPPS: Initial submission 27 August 2018
  – RFP/RFI/RFC Recommendations
    • DDS JSON Mapping RFP: Planned to issue in Reston
  – TF Documents
    • DIDO Networks Reference Architecture Discussion Paper: issue in Reston?

• **Liaisons**
  – None
• Agenda Items for the Next Meeting:
  – DDS-XRCE: Review evaluation team final report, review revised submission(s)
  – TCP/IP PSM for DDS Interoperability: Review initial submission(s)
  – OPC-UA / DDS Gateway: Review revised submission(s)
  – DDS JSON Mapping: Review RFP and vote to issue
  – Preparing IDL 4.2 for ISO: Progress report and explanatory report
  – DIDO Networks Reference Architecture Discussion Paper: Review and issue
  – DIDO Networks Reference Architecture: Demonstration
  – Joint Mtngs/Discussions with Finance DTF
  – WGs to meet: IDL, IEF, SBC/SDR