



OBJECT MANAGEMENT GROUP ®

TC Meeting Date: 26 Sept, 2021

Reporting Chair: Char Wales

Group page (URL): <https://www.omg.org/mars/>

Group email: mars@omg.org

MARS – Middleware And Related Services

- **Highlights from this Meeting:**

- DDS Service-based Discovery RFP: reviewed requirements and draft
- IDL4 to Python Language Mapping RFP: reviewed requirements and draft
- DDS-TSN RFP: status update; extended to May 17, 2021 (June meeting)
- DDS C# API: status update; extended to Aug 30, 2021 (September meeting)
- IEF Policy-based Packaging Service: status update, submission withdrawn, RFP cancelled
- Secure Data Services Operational Concepts: presentation on implementation of IEF RA.
- Report from FACE Interoperability Team: elevation to MARS Working Group
- Joint meeting with BC PSIG
 - IOTA Protocol RFC: reviewed next draft
 - Smart Contracts RFI: reviewed first draft
 - DIDO Reference Architecture 3.0 Discussion Paper: reviewed next draft



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- **Highlights from this Meeting (continued):**

- IDL, IEF, and CORBA WGs met.

- CORBA WG: Discussed IDL interop with legacy (pre ver 11) C++, update on FACE profile for UAF
- IDL WG: Worked on IDL4 to Python RFP, and IDL4 to C++ language mapping submission
- IEF WG: Reviewed status of the IEF effort and discussed involving the NATO Standardization Office



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- **Deliverables from this Meeting:**

- Technology Adoption Recommendation(s): none
- RFP/RFI/RFC Recommendation(s): none
- TF Documents Issued
 - Cloud Computing Collective References (aka “Cloud Bibliography”) Discussion Paper (special plenary in Feb.)

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

- Technology Adoptions
 - DDS C# API: revised submission, 30 Aug 2021
 - DDS-TSN: revised submission, 17 May 2021
 - TCP/IP PSM for DDS Interoperability: revised joint submission, 17 May 2021
 - IDL4 to C# Mapping: initial submission, 17 May 2021
 - Linked Encrypted Transaction Streams (LETS): initial submission, 17 May 2021



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

- RFP/RFI/RFC Recommendations to Issue

- IDL4 to Python Language Mapping RFP: issue 2021 Q2
- DDS Service-based Discovery RFP: issue 2021 Q3
- Smart Contracts RFI: issue 2021 Q2
- IOTA Protocol RFC: issue 2021 Q3?

- TF Documents

- Cloud WG Discussion Papers,
 - First draft of Practical Guide to Cloud Data Governance (publish in 2021 Q3)
- DIDO Reference Architecture 3.0 Discussion Paper (publish in 2021 Q2)

- **Liaisons**

- None



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• Agenda Items for the Next Meeting

- Review initial submission:
 - IDL4 to C++ Language Mapping
- Review revised submissions:
 - DDS-TSN Integration
 - TCP/IP PSM for DDS Interop
- Review draft RFPs:
 - DDS Service Based Discovery
 - IDL4 to Python Language Mapping
- Review Cloud Service Agreement Template Discussion Paper
- Joint with BC PSIG:
 - Linked Encrypted Transaction Streams RFP: review initial submission
 - Disposable Self-sovereign Identities (SSID) RFI: review responses
 - Smart Contracts RFI: review for issuance
 - IOTA Protocol RFC: review next draft
 - DIDO Reference Architecture 3.0 DP: review for publication
- Continue collaboration with BC PSIG, Cloud Working Group, FACE Consortium
- MARS WGs to meet: IDL, IEF, SNC, CORBA, FACE Interop