

Evolution of ECSS-Q-ST-80C-Rev.1 (now Rev. 2)

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ECSS-Q-ST-80C Rev.1 Update

NWIP 77 for the update of ECSS-Q-ST-80C Rev. 1 - “Software product assurance”.

Main inputs for the update:

- Change Requests in ECSS.nl.
- ESSB-ST-E-008 - Secure Software Engineering Standard.
- ESSB-HB-E-007 - Secure Software Engineering Handbook.
- Chapter 5.11 of ECSS-E-ST-40C(6March2009) Rev.1.
- Impact analysis from ECSS-E-ST-40C Rev.1 Working Group.
- Lessons Learned (TEC-QQK).

Working Group members:

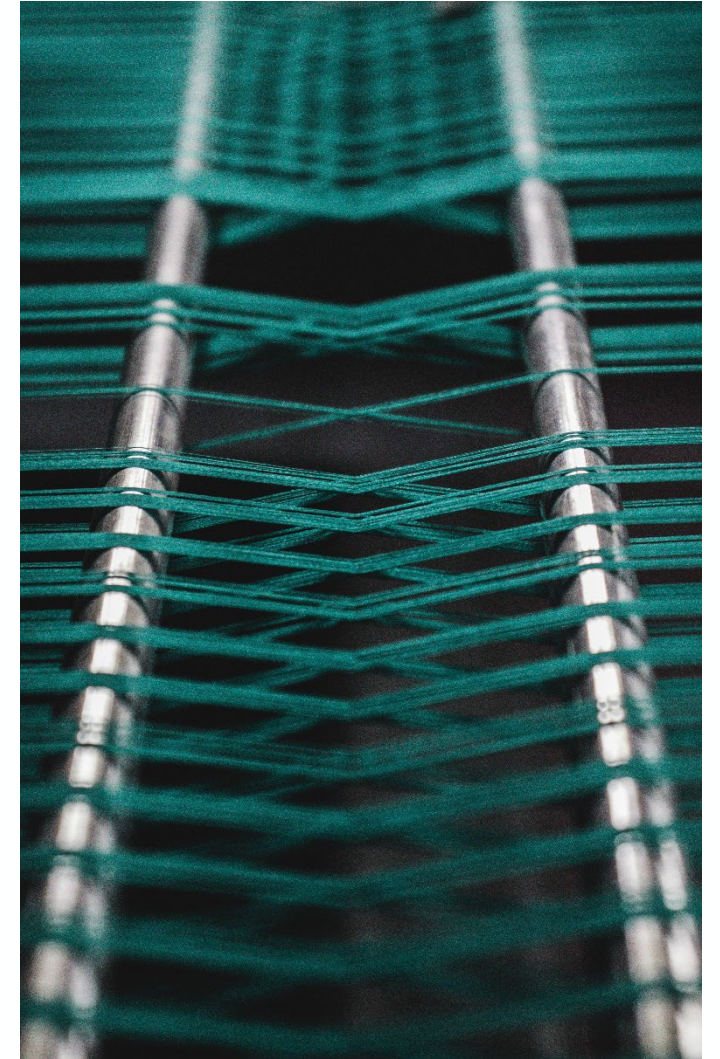
- ESA, DLR, CNES, ADS, TAS, OHB, GMV, ArianeGroup, ESO.



- Training related to security.
- Security role in NCRs discussion (NRBs).
- Quality Model and security.
- Sensitivity Classification: Analogy with dependability and safety.
- Procurement including security related import/export constraints/information.
- Tools and Methods: impact on security.
- Development Environment security aspects.
- ISVV and Security.
- Integrity and authenticity of the software.
- Software security new chapter:
 - Security sensitivity, links with dependability and safety.
- Handling of security sensitivity of software.
- Impact of security on requirements, design, coding standards, validation.



- Alignment to ECSS-E-ST-40C Rev.1:
 - Terms and Definitions.
 - Software Validation Control information.
 - Delivery Review Board (DRB).
 - Reference to new ISVV Guide.
 - TRR previous to RB validation.
 - Clarifications on electronic format and documentation.
- Lessons learned from projects.
- Other CRs:
 - Quality model and data quality.
 - Update of S4S to ISO 3300x.
 - Procedures for branching and merging.



- Current status: All changes implemented. Editorial review.
- Start of public review expected beginning 2024.
- Final publication Q2 2024.
- Open actions created: New DRRs to other standards.
- Ongoing DRR processing of system level security standard.



QUESTIONS?

