

Activities of the NTWG Technical Reports

TAG_22

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International
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Technical Report

Travel Document Deviation List

Issuance

TAG_22
WP04



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TRAVEL DOCUMENT DEVIATION LIST

→ Increasing complexity of (e)MRTDs

- Non conformities / Defects / Deviations

→ MRTDs remain in use

- Despite deviations from the specifications
- Inspection authorities need to handle these

→ Need for informing inspection authorities

- To enable determination on valid, forged, substituted documents/data
- Standardized manner
- Suitable for automated handling

→ Deviations specified in 4 categories

- Keys and Certificates
- Logical Data Structure
- Machine Readable Zone
- Chip

→ The TAG/MRTD is invited to

- endorse the Technical Report “ Travel Document Deviation List Issuance” version 1.11; and
- approve inclusion of this Technical Report into the seventh edition of Doc 9303.

Technical Report

Supplemental Access Control

TAG_22
WP05



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SUPPLEMENTAL ACCESS CONTROL

→ TAG 19 endorsed the TR Supplemental Access Control V1.01

- Introduction of Password Authenticated Connection Establishment (PACE)
- SAC = BAC + PACE
- Generic Mapping
- Integrated Mapping
- PACE-only from 01-01-2018

→ TR Supplemental Access Control V1.1

- Introduction of Chip Authentication as alternative to Active Authentication
- OPTIONAL third mapping: Chip Authentication Mapping
 - extension to generic mapping
 - faster execution

→ Patent

- Protective character
- Free of charge license

→ The TAG/MRTD is invited to

- take note of the patent declaration attached to WP05; and
- endorse the updated Technical Report “Supplemental Access Control” version 1.1 replacing version 1.01; and
- approve inclusion of this updated Technical Report into the seventh edition of Doc 9303.

Technical Report

LDS & PKI Maintenance

TAG_22
WP07

LDS & PKI MAINTENANCE

→ TAG 20 endorsed the TR LDS & PKI Maintenance V1.0

- Evaluation with respect to accuracy and security of the specifications
- LDS version information
- Certificate profiles
- Chip access control
- Active Authentication with elliptic curve cryptography

→ TR Supplemental Access Control V2.0

- Follow-up on first evaluation cycle
- LDS version, Access Control, Active Authentication remain
- Additional guidance on certificate profiles
- Profile updates as published in the Supplement

→ The TAG/MRTD is invited to

- reconfirm the necessity of a regular evaluation of the specifications in Doc 9303 to preserve the appropriate level of accuracy and security; and
- endorse the updated Technical Report “LDS and PKI Maintenance” version 2.0; and
- approve inclusion of this updated Technical Report into the seventh edition of Doc 9303.

Technical Report

RF Protocol Testing Part 3

TAG_22
WP08



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RF Protocol Testing Part 3

→ TAG 17 endorsed the TR RF Protocol Testing Part 3 V2.01

- Tests for Application Protocol and Logical Data Structure
- Widely accepted as world wide test standard for eMRTDs

→ Evolving eMRTD specifications

- Active Authentication with elliptic curve cryptography
- Supplemental Access Control

→ Updated test specifications

- Tests for new functionalities
- Revised Technical Report (V2.06)
- Candidate for international standard ISO/IEC 18745-3

TAG_22 WORKING PAPER 08

→ The TAG/MRTD is invited to

- approve and publish the TR; and
- endorse the continued work at ISO/IEC JTC1 SC17 WG3 on the resulting international standard ISO/IEC 18745-3.

Technical Report

RF Protocol Testing Part 4

TAG_22
WP09



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RF Protocol Testing Part 4

→ Endorsed test specifications

- Durability of Machine Readable Passports
- RF Protocol and Application Test Standard for eMRTD Part 2:
Tests for air interface, initialization, anticollision and transport protocol
- RF Protocol and Application Test Standard for eMRTD Part 3:
Tests for Application Protocol and Logical Data Structure

→ Interoperability

- Necessity for test specifications for inspection systems

→ Technical Report

- Tests for inspection systems comprising of:
BAC, PACE, Secure Messaging, AA, PA, LDS handling
- Candidate for international standard ISO/IEC 18745-4

→ The TAG/MRTD is invited to

- approve and publish the TR; and
- endorse the continued work at ISO/IEC JTC1 SC17 WG3 on the resulting international standard ISO/IEC 18745-4.

THANK YOU FOR YOUR ATTENTION



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