Tenth Symposium and Exhibition on Machine Readable Travel Documents
(MRTDs) and Border Security
October 7-9, 2014

Evolving ICAO MRTD Specifications
coming soon:
The New Seventh Edition of Doc 9303

Tom Kinneging
Manager R&D - Morpho Netherlands
Senior Expert Standardization - Safran Morpho
Convenor ISO/IEC JTC1 SC17 WG3

MRTD SPECIFICATIONS

Doc 9303

- Part 1 - Machine Readable Passports, Sixth edition - 2006
  - o Volume 1 - Passports with Machine Readable data stored in OCR format
  - o Volume 2 - Electronically enabled Passports with Biometric Identification Capability
- Part 2 - Machine Readable Visas, Third edition - 2005
- Part 3 - Machine Readable Official Travel Documents, Third edition - 2008
  - o Volume 1 - MRtds with Machine Readable data stored in OCR format
  - o Volume 2 - Electronically enabled MRtds with Biometric Identification Capability

MRTD SPECIFICATIONS

Supplement to Doc 9303

- Release 14 - May 2014
  - 176 pages
  - 253 issues

MRTD SPECIFICATIONS

8 Technical Reports

- TR - MRTDs: History, Interoperability and Implementation
- TR - CSCA Countersigning and Master List issuance
- TR - LDS and PKI Maintenance
- TR - Supplemental Access Control for MRTDs
- TR - Machine reading options for td1 size MRTDs
- TR - Machine Assisted Document Security Verification
- TR - Transliteration of Arabic Script in MRTDs
- TR - Travel Document Deviation List Issuance

MRTD SPECIFICATIONS

Doc 9303

- Part 1 - Machine Readable Passports, Sixth edition - 2006
  - Volume 1 - Passports with Machine Readable data stored in OCR format
  - Volume 2 - Electronically enabled Passports with Biometric Identification Capability
- Part 2 - Machine Readable Visas, Third edition - 2005
- Part 3 - Machine Readable Official Travel Documents, Third edition - 2008
  - Volume 1 - MRtds with Machine Readable data stored in OCR format
  - Volume 2 - Electronically enabled MRtds with Biometric Identification Capability
- Supplement to Doc 9303
- 8 Technical Reports

DOC 9303 REVISION

Three Activities

- Re-structuring
- Supplement incorporation
- Technical Reports integration

DOC 9303 7th EDITION

1. Introduction;
2. Specifications for the Security of Design, Manufacture and Issuance of MRTDs;
3. Specifications common to all Machine Readable Travel Documents;
4. Specifications specific to TD3 size MRTDs, Machine Readable Passports;
5. Specifications specific to TD1 size MRTDs, Machine Readable Official Travel Documents;
6. Specifications specific to TD2 size MRTDs, Machine Readable Official Travel Documents;
7. Machine Readable Visas;
8. Reserved for future use (Emergency Travel Documents);
9. The Deployment of Biometric Identification and Electronic Storage of Data in MRTDs;
10. Logical Data Structure;
11. Security Protocols;
12. Public Key Infrastructure for Machine Readable Travel Documents.

DOC 9303 7ᵗʰ EDITION PART 1

DOC 9303 7ᵗʰ EDITION PART 2

DOC 9303 7th EDITION PART 3

DOC 9303 7th EDITION PART 4

DOC 9303 7ᵗʰ EDITION PART 5

DOC 9303 7ᵗʰ EDITION PART 6

DOC 9303 7th EDITION PART 7

DOC 9303 7th EDITION PART 8

Part 8 - Specifications specific to
Emergency Travel Documents
(TBD)

DOC 9303 7th EDITION PART 9

DOC 9303 7th EDITION PART 10

DOC 9303 7th EDITION PART 11

DOC 9303 7th EDITION PART 12

DOC 9303 7ᵗʰ EDITION

Usage

- ePassport Book

DOC 9303 7th EDITION

Usage

- Non-chip TD1 size card

DOC 9303 7th EDITION

Differences

- All Appendices informative
- Consistent formatting titles/text/figures/tables/notes/even bullets
- Consistent terminology, f.i. form factor instead of type, document type, model, etc.
- MRTD/eMRTD (general), MRP/eMRP (TD3 passport book), MROTD/eMROTD (TD1 & TD2 official travel documents), MRV-A and MRV-B
- (Popular) term "ePassport" not formally used anymore

DOC 9303 7th EDITION

Maintenance

- Seventh edition - Revision 1
- Changes & Updates to individual parts → Revision 2
- No more Supplements
- Every 5 years new edition (as before)
- One ISO standard on editions ISO/IEC 7501

DOC 9303 REVISION

Timeline

- Project start - Mid 2011
- 3 Phases completed - Q3 2013
- Review cycles completed - Q1 2014
- Endorsed at TAG 22 - May 2014
- ICAO Editorial and Translation
- Publication - End 2014

DOC 9303 REVISION

Successful?

- Doc 9303 6th/3rd Edition
  1049 pages

- Doc 9303 7th Edition
  424 pages

SAFRAN
Morpho

Tom KINNEGING
Senior Expert Standardization
Manager R&D (CESE / CESP) Morpho BV

tom.kinneging@morpho.com
M   +31 65 12 13 702
T   +31 23 79 95 218

Morpho B.V.
P.O. Box 5300, 2000 GH Haarlem, The Netherlands
www.morpho.com

Thank you for your attention