



Revision of Doc 9303

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New Technology Working Group (NTWG)
TAG/MRTD 20

20st Meeting of the Technical Advisory Group on Machine Readable Travel Documents

TAG/MRTD 19 - Working Paper 5

- Integrating Supplement Information into Doc 9303
 - 100+ issues in Supplement
- Doc 9303 different publication dates
 - Doc 9303 Part 1, Sixth edition, 2006
 - Doc 9303 Part 2, Third edition, 2005
 - Doc 9303 Part 3, Third edition, 2008
- TAG-MRTD endorsed
 - New work item concerning Supplement clean-up activity
 - Consideration of publication of new (revised) editions of all three parts of Doc 9303



Status

- Supplement clean-up activity
 - 134 issues in Supplement release 10
- Doc 9303 different publication dates
 - Until 2009 paper based
 - Separate (complete) standards for part 1, 2 and 3
 - Duplicate, mainly general, information
 - Volumes 2 of part 1 and 3 almost identical
 - Since 2009 electronic (pdf) format
 - Maintenance
 - Readability
 - Efficiency

➤ Five Technical Reports



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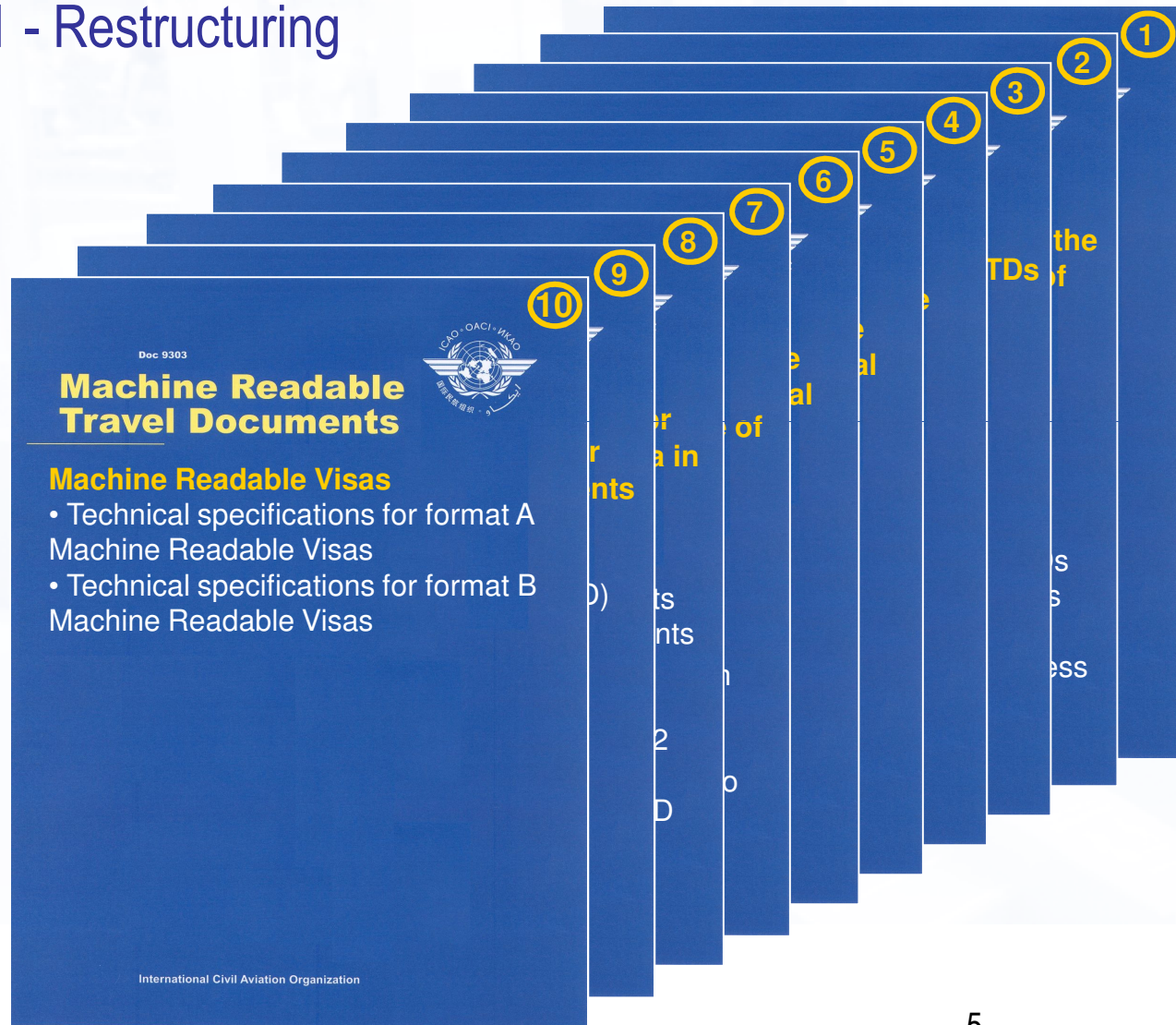
➤ Phase 1 - Restructuring

- Specifications appear only once
- Grouping of general as well as form factor specific specifications
- Set of (pdf) files
- User composes relevant subset
- Visas different nature




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➤ Phase 1 - Restructuring



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Doc 9303



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Machine Readable Travel Documents

Introduction

- Amendments
- Foreword
- General considerations
- Definitions and abbreviations
- Guidance on the use of MRTDs

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Machine Readable Travel Documents

The deployment of biometric identification & electronic storage of data in MRTDs

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Machine Readable Travel Documents

Specifications for the security of the design, manufacture & issuance of MRTDs

- Security of the personalization
- Machine assisted verification
- Security of production facilities
- Information on the MRTD
- Information on the MRTD data
- Security standards
- Prevention of fraud

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Machine Readable Travel Documents

Specifications common to all MRTDs

- Illustrative guidelines for portraits
- Three letter codes

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Machine Readable Travel Documents

Specifications specific to ID3 size MRTDs - Machine Readable Passports

- Construction & dimensions
- Layout of the MRP data page
 - General layout
 - Content & use of zones
 - Visual Inspection Zone
 - Machine Readable Zone
- Sequence of data elements
- Schematic diagrams
- Examples

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Machine Readable Travel Documents

A Logical Data Structure (LDS) for storage of biometrics & other data in the contactless IC

- Process for reading
- Requirements of the LDS
- Mandatory & optional data
- Ordering & grouping
 - Data Group specifications
- Access control
 - Basic Access Control
- Data authenticity and integrity
 - Passive Authentication
- Data cloning protection
 - Active Authentication

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Machine Readable Travel Documents

Public Key Infrastructure (PKI) for Machine Readable Travel Documents

- Overview of the Public Key Infrastructure
 - Document Security Object (SOD)
 - Document Signer (DS)
 - Country Signing CA (CSCA)
- Algorithms
- Key management
- CSCA Master List
- Certificate Revocation Lists
- Public Key Directory
- Non conforming certificates

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- Phase 2 - Supplement clean-up
 - Incorporation of clarifications
 - Re-write relevant text



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➤ Phase 3 - Technical Reports

- TR - CSCA Countersigning and Master List issuance
- TR - Supplemental Access Control for Machine Readable Travel Documents
- TR - LDS and PKI Maintenance
- TR - Machine reading options for td1 size MRTDs
- TR - Machine Assisted Document Security Verification



Working Paper

- The TAG-MRTD is invited to confirm the
 - Restructuring of Doc 9303. The resulting format will be subject to review cycles by the NTWG and ICBWG
 - Continuation of the Supplement clean-up activity
 - Incorporation of endorsed Technical Reports into the new edition of Doc 9303





**Thank you
for your attention**

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