



International Civil Aviation Organization

**WORKING PAPER**

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English only

## **TECHNICAL ADVISORY GROUP ON MACHINE READABLE TRAVEL DOCUMENTS**

### **Sixteenth Meeting**

(Montreal, 26 to 28 September 2005)

**Agenda Item 1: Development of specifications for MRTDs**  
**Agenda Item 1.2: Progress on the 3rd Edition, Doc 9303, Part 3**

### **THE PRODUCTION OF THE THIRD EDITION OF DOC 9303, PART 3**

(Presented by the Document Content and Format Working Group)

#### **1. INTRODUCTION**

1.1 At its fourteenth and fifteenth meetings, the TAG/MRTD decided to standardise an optional biometric scheme for MRPs involving facial recognition, optionally supported by fingerprint and/or iris recognition. It was also decided that the necessary data would be stored on a contactless integrated circuit contained within the structure of the MRP.

1.2 This decision has already resulted in the preparation of a new Sixth Edition of Doc 9303 Part 1. A further consequence is the need for a new Third Edition of Part 3, which covers Official Documents of Identity (known as Machine Readable Official Travel Documents), normally in the form of cards of ID1 or ID2 size, that may be used for cross-border travel since these may optionally use the same biometric and data storage technologies.

#### **2. ACTIVITIES OF DCFWG**

2.1 Having completed the editing of Part 1, the leader of ISO/WG3 Task Force 2 has been contracted by the ICAO Secretariat, under a Special Services Agreement, to undertake the editing of the Third Edition of Doc 9303 Part 3. As with Part 1, the work involves examining the content of the Second Edition with the intention of removing any material which is no longer relevant, and updating the

technical content, where appropriate. In addition, the content of the three Technical Reports on Biometrics Deployment, Logical Data Structure, and Private/Public Key Infrastructure for e-passports, have to be edited as appropriate for incorporation into Doc 9303 Part 3, bearing in mind the subtle difference between the document types.

2.2 As with the MRP, there will be two types of MRTD in each of the two sizes, either in the basic form of a card bearing just the MRZ for data exchange, or additionally incorporating a contactless integrated circuit with globally interoperable biometric and other data. As with the MRP, Doc 9303 Part 3 will, in future, appear in two Volumes. Volume 1 will contain the specifications for the two sizes of the basic MRTD, to which *all* MRTDs, whether electronically enabled or not, will have to conform. Volume 2 will contain the additional specifications for the optional electronically enabled types of MRTD.

### 2.2.1 **Volume 1**

Volume 1 will essentially contain the specifications presently found in the Second Edition of Part 3. It will be constructed in the same general format as the new Part 1 with a new Foreword, and a Section III devoted to security of the document and its issuance. The portrait specification will be similarly updated. All reference to biometrics will be removed and covered in Volume 2. It will state that the data storage options, other than the contactless integrated circuit covered in Volume 2, that appear in the Second Edition, i.e. magnetic stripe, 1 & 2D barcodes, and optical memory (TD1 only) may still be used but only for a State's own or agreed bilateral use and that they are not globally interoperable.

### 2.2.2 **Volume 2**

As with Part 1, the totally new Volume 2 of Part 3 will contain the specification for the "e-MRTD-1" and "e-MRTD-2". It will consist of four Sections, a Foreword, Biometric Deployment, Logical Data Structure, and PKI. The latter three are based on the three Technical Reports presented to TAG/MRTD-14, modified as appropriate to apply to the MRTD.

## 2.3 **DCFWG Review of the Editorial Work**

2.3.1 The editorial work began in the early Summer of 2005. DCFWG is now — at the time of TAG-16 — in a position to consider a first draft.

## 3. **ACTION BY THE TAG/MRTD**

3.1 The TAG/MRTD is invited to:

- a) approve the continuation of work to produce a Third Edition of ICAO Doc 9303 Part 3 in the two-volume format.