



**TECHNICAL ADVISORY GROUP ON MACHINE READABLE  
TRAVEL DOCUMENTS (TAG-MRTD)**

**EIGHTEENTH MEETING**

**Montréal, 5 to 8 May 2008**

**Agenda Item: 1: Activities of the NTWG**

**Agenda Item: 1.14: 2007/08 ICAO Request for Information (RFI)**

**2007/08 ICAO REQUEST FOR INFORMATION (RFI)**

Presented by New Technologies Working Group (NTWG)

**1. INTRODUCTION**

1. This is an interim report to TAG outlining key areas of interest from the ICAO NTWG Request for Information (RFI) presentations that took place from 29 April to 2 May 2008.

**2. BACKGROUND**

2.1 NTWG have conducted 3-yearly RFI initiatives since the mid 1990's with a view to identifying new technologies that will provide future benefit to or application in the MRTD programme.

2.2 For the 2007/08 RFI, the NTWG identified a range of interest areas which were divided into nine broad categories. A selection panel made up of NTWG members ranked each submission, and agreed a shortlist. Proposals were reviewed against a variety of qualitative and quantitative factors, depending on the category, including such aspects as cost, innovation, and compatibility with current and future document issuance and border control processes. The panel gave particular consideration to the ICAO goals of facilitation, security, and global interoperability.

2.3 Short-listed vendors were invited to make oral presentations at a special Government members only NTWG Meeting (29 April to 2 May 2008)

2.4 State letters were issued to ICAO Contracting Members, noting that presentations would be of particular interest to passport issuing agencies, immigration, customs, and other border control and security authorities.

### 3. SUBMISSIONS FOR RFI 2007/08

3.1 Seventy three submissions were received across the nine categories. Thirty two technologies (from twenty five vendors) were short-listed by the evaluation panel. The categories and breakdown of submissions are outlined below:

Category	Requirement	Submissions Received	Submissions Short-listed
1. Multi-application data chip environment	Effective methodology for creating a secure multi-application environment within the data chip, where the e-passport application co-exists securely with other applications (e.g. e-government applications). Secure writing and retrieving without compromising the security of the original data is paramount.	11	4
2. Self-service facilitation	Technologies and processes suitable for automated self-identification at international borders and/or entitlement facilities that will enable either unattended border crossing or program enrolment.	16	4
3. Data mining technologies	Pattern recognition for applicant and staff behaviours to assist in the identification of external and internal fraud.	3	2
4. Travel document security concepts	Document security features, innovative data page materials, substrates, binding materials and adhesives, advanced anti-copying devices (e.g. holographic / cryptographic features or security inks), and security technologies that allow for globally interoperable, machine assisted document authentication and verification.	18	12
5. E-government and e-commerce	Electronic online systems that may be applied to secure Internet based passport and visa application processes. Secure communications for multilateral data-sharing.	5	0
6. Biometric database management	Integrated ID management tool that enables concurrent, multi-factor biometric searching and matching for profiling and alert management.	4	1
7. Biometric verification on the move	Biometric matching in a non-intrusive way with a high tolerance for distance and angles.	7	5
8. Portable enrolment and verification stations	Portable multi-modal enrolment enabling the capture and verification of multiple biometrics (particularly fingerprints).	8	4
9. Transliteration software	Language software technologies to assist in transliterating non-Latin characters (e.g. Cyrillic or Arabic) into Latin characters.	1	0
	<b>Total</b>	<b>73</b>	<b>32</b>

4. **FINAL REPORT AND SUMMARY PAPER**

4.1 As the presentations took place in the week prior to TAG 18, the NTWG is unable to provide a final working paper.

4.2 A summary paper of all submissions received is available to all ICAO Contracting Member States.

5. **ACTION BY TAG/MRTD**

5.1 The TAG/MRTD is invited to:

- a) Note the content of the Information Paper; and
- b) Note that a final working paper on the 2007/08 RFI will be prepared for TAG 19.

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