



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

SEVENTEENTH MEETING

Montréal, 20 to 22 March 2007

Agenda Item: 2 Implementation of ePassports

Agenda Item :2.1 Work of the New Technologies Working Group (NTWG)

2007/2008 ICAO REQUEST FOR INFORMATION (RFI)

Presented by New Technologies Working Group (NTWG)

1. INTRODUCTION

1.1 This document outlines the NTWG's plans undertake a further three yearly Request for Information (RFI) process in 2007/08 as part of the working groups ongoing work programme.

2. BACKGROUND

2.1 NTWG has conducted regular RFI initiatives since the mid 1990s with a view to identifying new technologies that will provide future benefit to or application in the MRTD programme. Additionally past RFI initiatives have identified areas for future specification development as these new technologies have been adopted by member states.

2.2 The last RFI was conducted in 2004/05 with a report (WP 20) presented at TAG/MRTD/16 in September 2005. The TAG approved WP 20, which included a recommendation to undertake the next RFI process in 2007/08.

3. 2007/2008 REQUEST FOR INFORMATION

3.1 RFI Process Overview

3.1.1 The RFI will follow a similar process to that carried out previously in that the NTWG has identified a range of interest areas, which have been divided into broad categories (outlined below). A number of NTWG members have volunteered to form a selection panel lead by New Zealand and draft RFI advertisement and submission template documentation prepared. The advertisements will be placed internationally predominantly on Government procurement websites with copies sent to vendor group organisations for distribution to members. Once submissions have been received the selection panel will rank them and a shortlist of vendors will be invited to make oral presentations at a special Government members only NTWG Meeting. Additionally summaries of all submissions will be collated into a report available to all ICAO member States. A working paper will be presented to the TAG/MRTD at the conclusion of the process.

3.2 RFI Categories

To attract submissions from a broad range of vendors the following nine categories of interest have been initially identified. Over the coming months the selection panel will further refine the areas of interest to ensure stakeholder needs are met and at the same time focus vendors on the most critical issues.

Category	Requirement
1. Data chip partitioning	Effective methodology for securely partitioning data on e-Passport chips to allow for data and or functions to be added by third parties.
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. This may also include readers that will not only verify e-Passports data but security features such as advanced holograms without increasing process time (i.e. concurrently)
3. Data mining technologies	Pattern recognition for applicant and staff behaviours to assist in the identification of external and internal fraud.
4. First-line travel document security concepts	Overt first-line document security features, innovative data page materials, substrates, binding materials and adhesives, and security inks.
5. E-Commerce	Electronic on-line systems that may be applied to secure Internet based passport and visa application processes. Secure communications for multilateral data-sharing.
6. Biometric database management	Integrated I.D. management tool that enables concurrent, multi-factor biometric searching and matching for profiling and alert management. This may include new biometric technologies preferably derived from biometric data that is traditionally collected from applicants e.g. face and finger

7. Biometric verification on the move	Biometric matching in a non-intrusive way with a high tolerance for distance and angles.
8. Portable enrolment stations	Portable multi-modal enrolment enabling PDA networked capture and verification of multiple biometrics.
9. Issuance software	Software tools to enhance and or secure travel document issuance processes.

3.3 **Timing**

3.3.1 It is planned to publish the RFI documents in July/August 2007, allow 3 months for submissions and following a selection process have oral presentations from a short list of vendors in conjunction with TAG/MRTD 18 in April/May 2008 (*to be confirmed*).

4. **ACTION BY TAG/MRTD**

4.1 The TAG/MRTD is invited to:

- a) Note the content of the Information Paper and suggest any additional RFI categories of interest.

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