

ICAO BLUEPRINT BIOMETRIC TECHNOLOGY IN MRTDs

WP/4

Facilitation Division

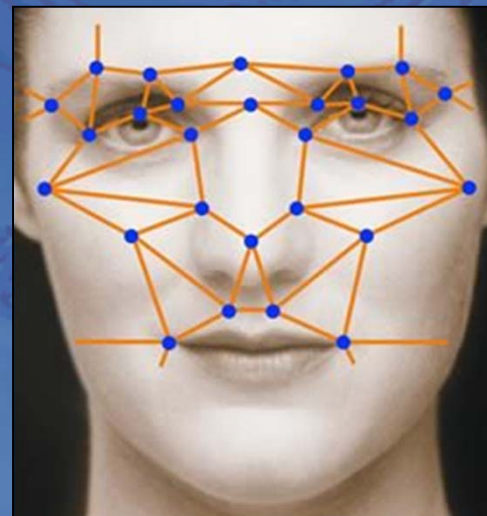
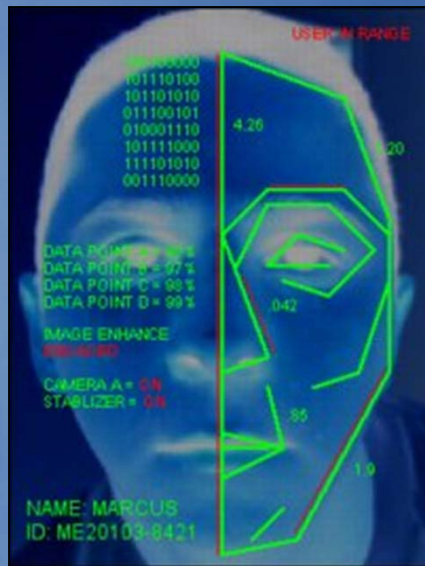
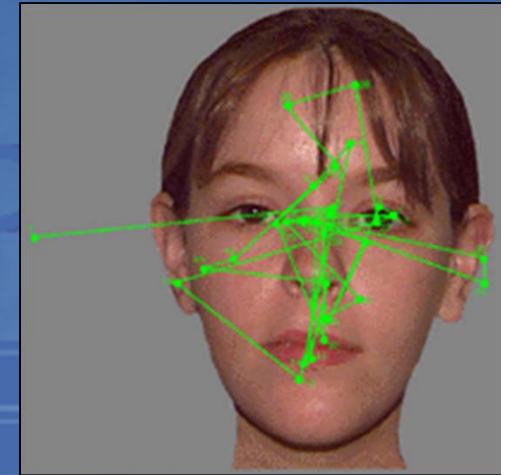
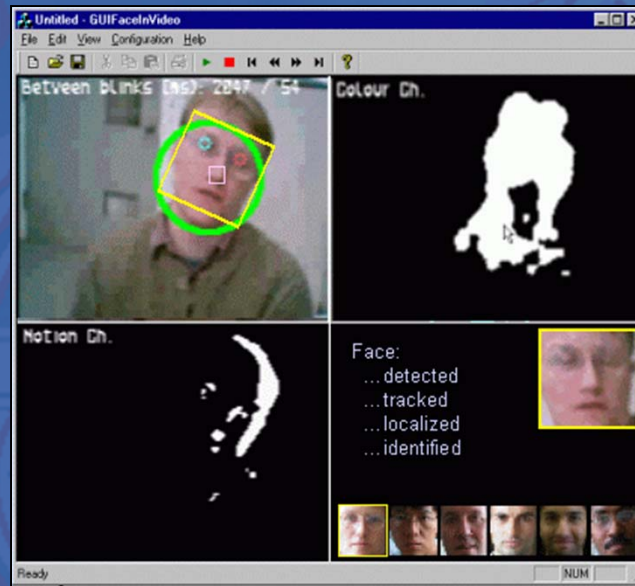
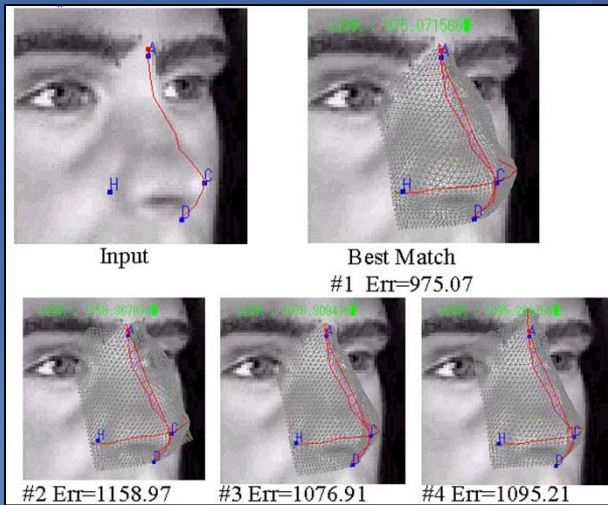
Cairo, Egypt

22 March to 2 April 2004

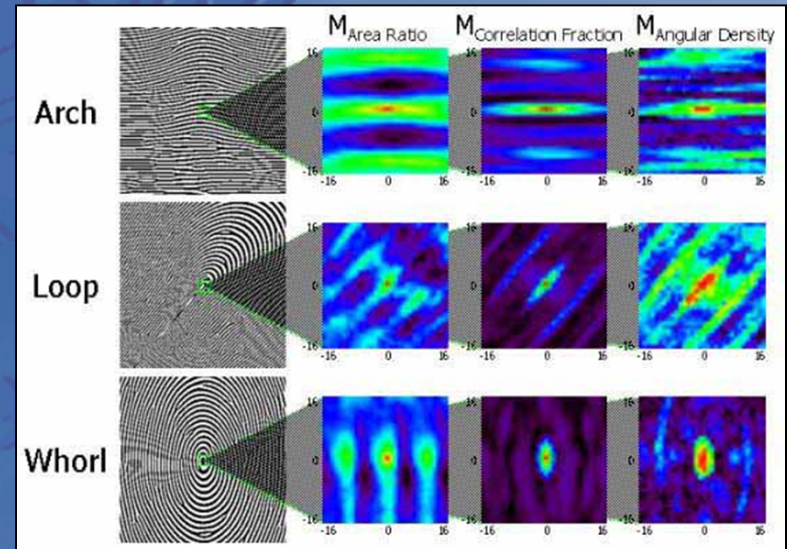
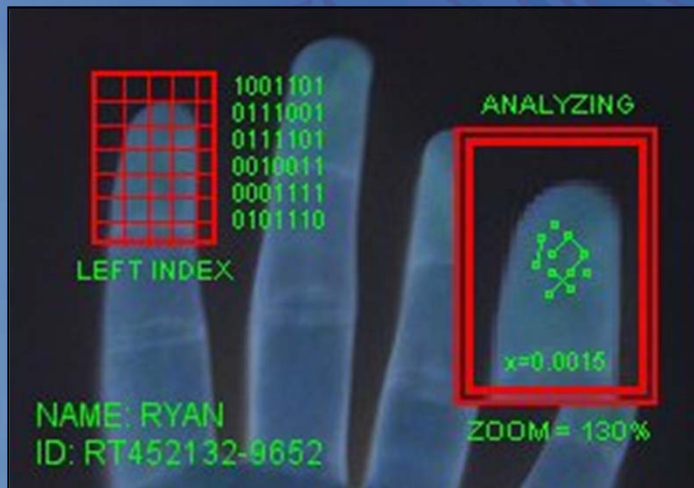
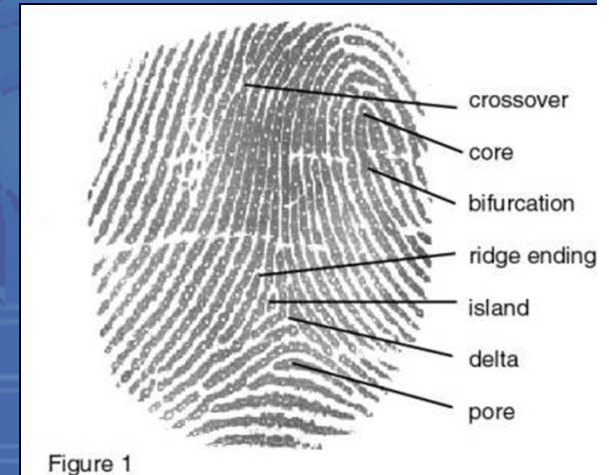
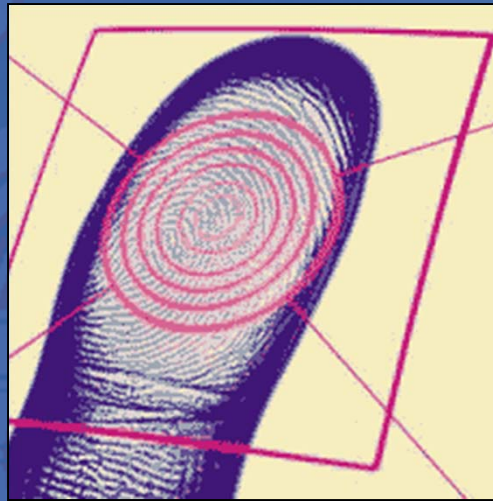
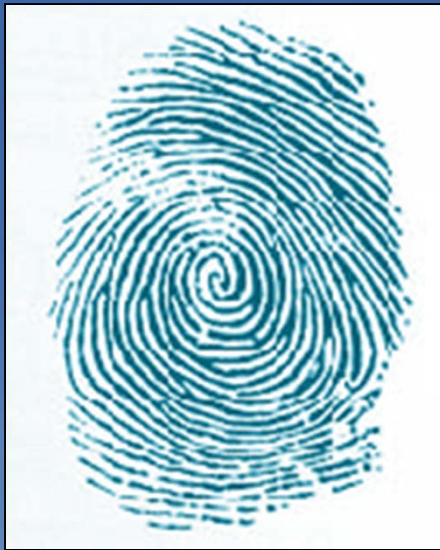
Biometric Blueprint

- ❖ Choice of biometric and storage technology most compatible with the requirements for machine-assisted identity confirmation with MRTDs
 - ❖ Facial recognition
 - ❖ Fingerprint
 - ❖ Iris-scan
 - ❖ Contactless IC
 - ❖ Logical data structure
 - ❖ PKI Digital Signatures

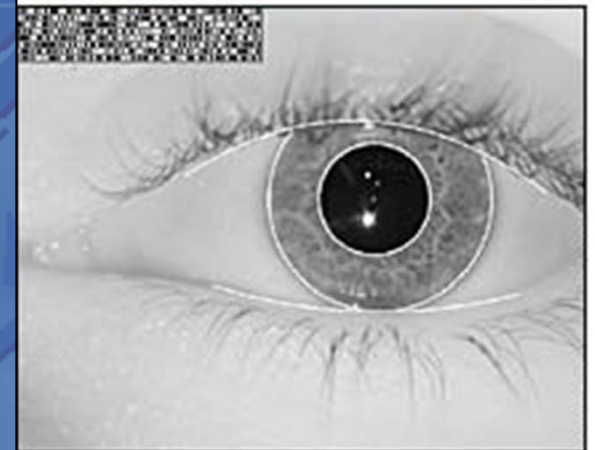
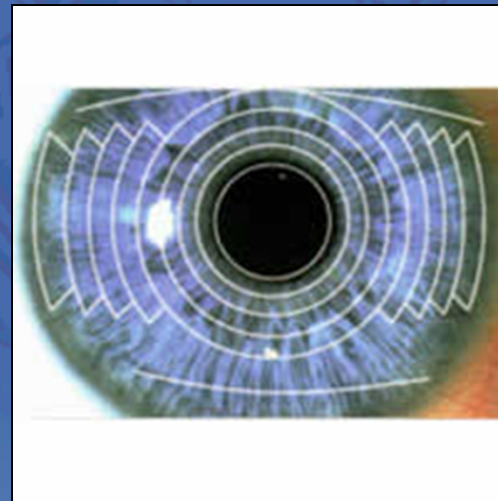
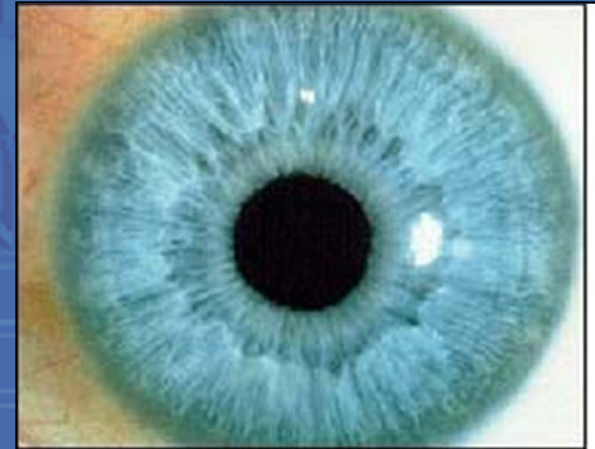
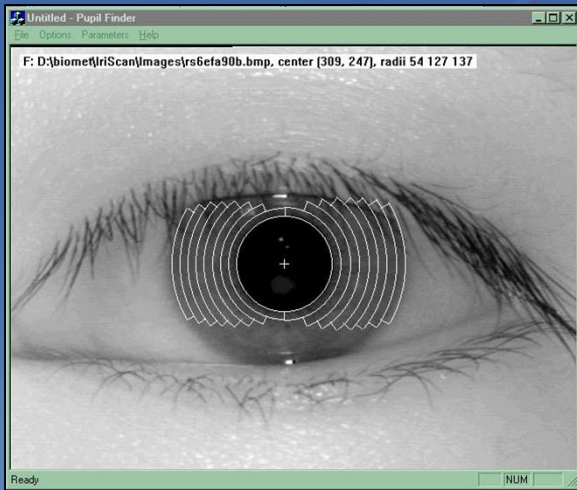
Facial Recognition



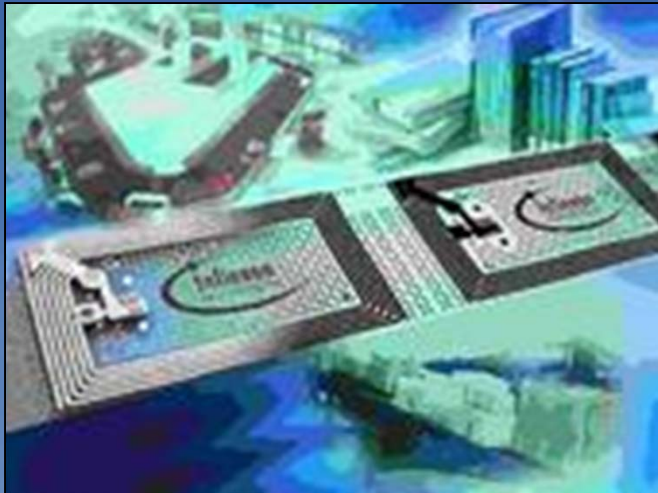
Fingerprint Recognition



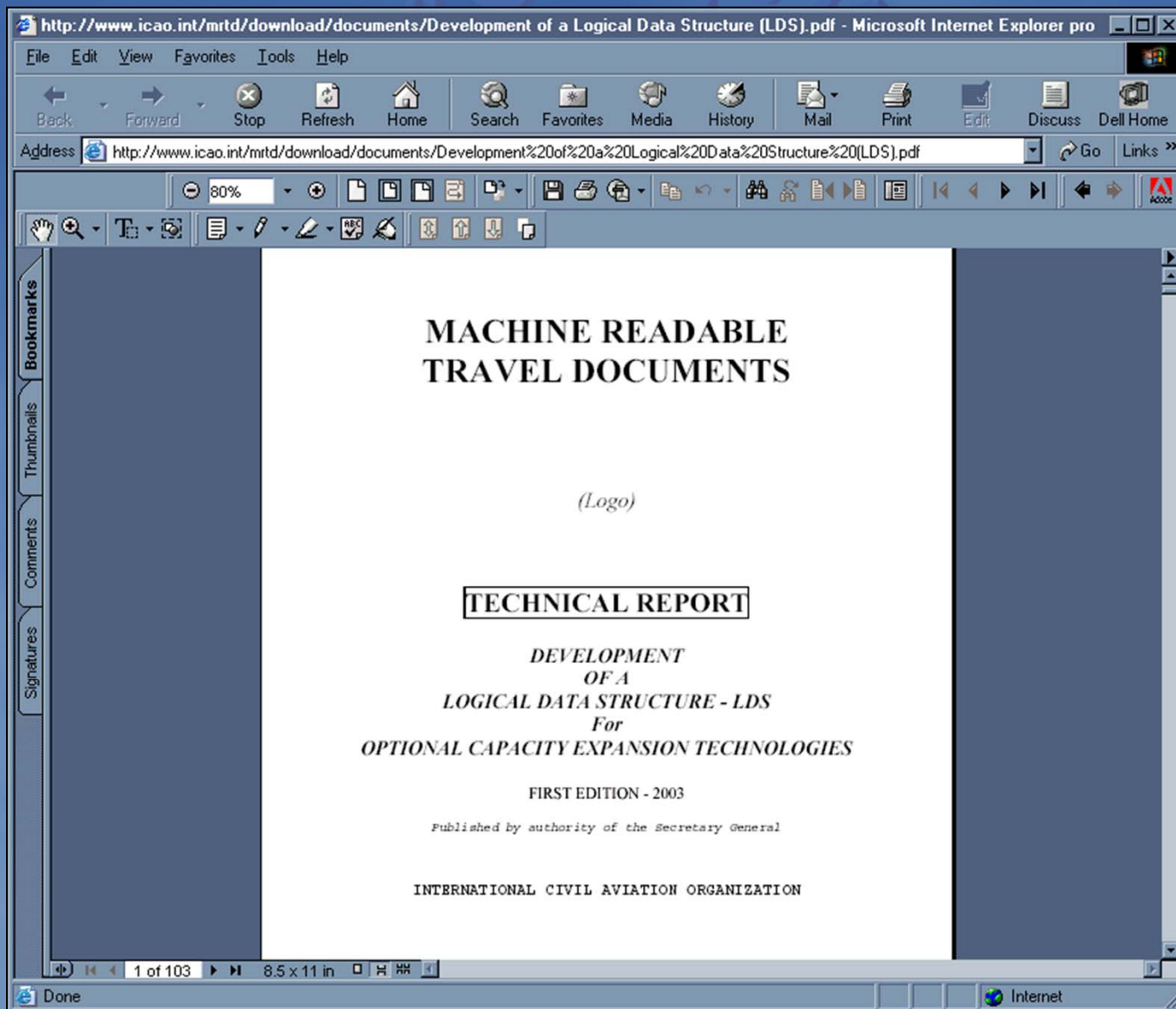
Iris Scan



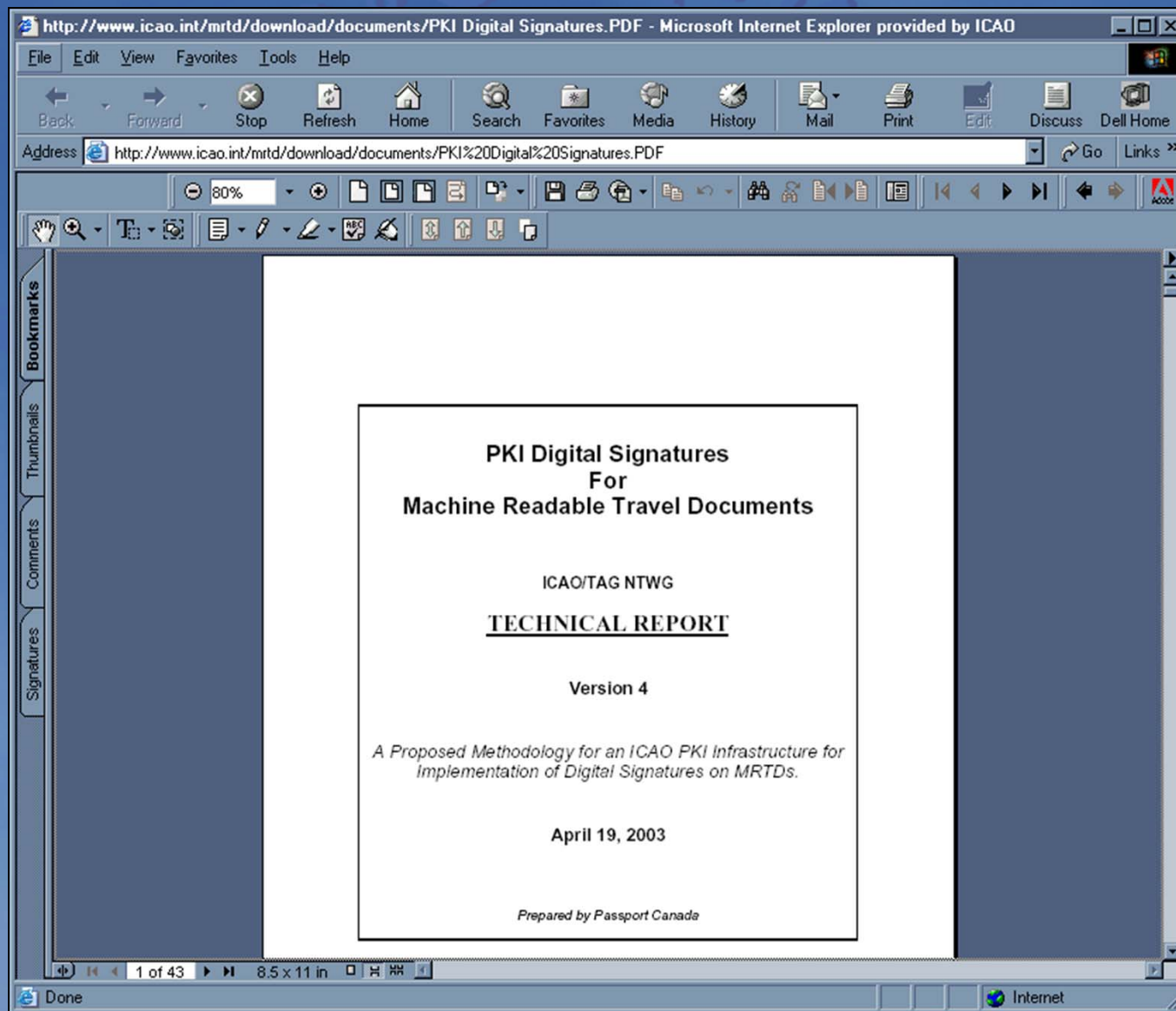
Contactless IC



Logical Data Structure



PKI Digital Signatures



ICAO BLUEPRINT

- ✿ ADOPTED BY THE AIR TRANSPORT COMMITTEE OF THE COUNCIL ON 22 MAY 2003
- ✿ TECHNICAL REPORTS TO BECOME SPECIFICATIONS.
- ✿ NEW ANNEX 9 SARP_s PROPOSED.

MRTD Web Site

www.icao.int/mrtd

The screenshot shows a Microsoft Internet Explorer browser window displaying the ICAO Machine Readable Travel Documents (MRTD) website. The browser's address bar shows the URL <http://www.icao.int/mrtd/Home/Index.cfm>. The website header features the ICAO logo and the text "MRTD MACHINE READABLE TRAVEL DOCUMENTS". A navigation menu on the left includes links for Home, MRTD Overview, TAG/MRTD, Guidance material, Publications, Biometrics, Download Center, Meetings & Events, and Contact Us. The main content area is titled "Welcome to MRTD" and contains a paragraph explaining the site's purpose: "This new, special site was developed in ICAO in order to serve the broad spectrum of persons in government agencies, industry and the public who are interested in our work in machine readable travel document specifications and related technology. On this site you will find information about our Technical Advisory Group, the latest versions of publications developed by them, news items, and down-loadable technical reports. An additional feature, 'on-line help', will be available in the near future to enable you to view various sections of our publications in answer to 'frequently asked questions'." Below this, a disclaimer states: "Please note that while this is a not-for-profit site and you are welcome to browse through the content for your own research purposes, most of the material on this site is subject to copyright and may not be reprinted in other documents without written permission from ICAO. Thank you for visiting the site; we hope you find it interesting. Let us know if you have any comments or suggestions." A "Top Downloads" sidebar on the right lists: Biometrics deployment of MRTD, Use of Contactless Integrated Circuits, Logical Data Structure (LDS), and PKI Digital Signatures Tech Report. The Windows taskbar at the bottom shows the Start button, several open application windows, and the system tray with the time 1:48 PM.

The background features a large, semi-transparent watermark of the ICAO logo. The logo consists of a globe with latitude and longitude lines, flanked by two stylized wings. The text 'ICAO' is written in a large, serif font across the globe, and 'INTERNATIONAL CIVIL AVIATION ORGANIZATION' is written in a smaller font around the perimeter of the globe.

15th TAG/MRTD
ICAO Headquarters
Montreal 17 - 21 May 2004

**OBSERVER STATES ARE
WELCOME!**