INTERNATIONAL CIVIL AVIATION ORGANIZATION

ICAO Regional Seminar on MRTDs,
Biometrics and Border Security

27 - 29 November 2012
Elephant Hills Resort,
Victoria Falls, Zimbabwe

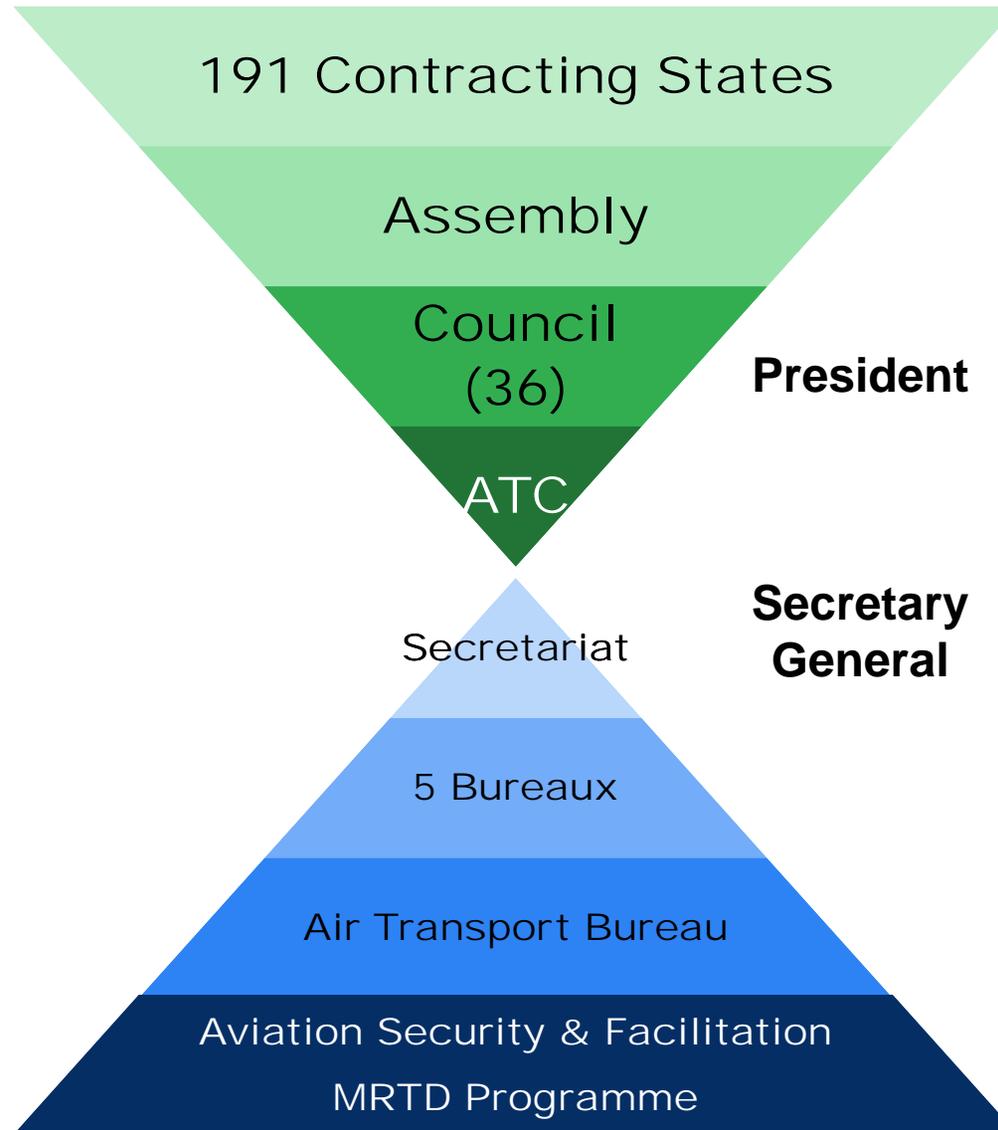# THE ICAO MRTD PROGRAMME

MAURICIO SICILIANO

ICAO

HOW WE GOT HERE

ICAO'S MANDATE FOR STANDARDS DEVELOPMENT:

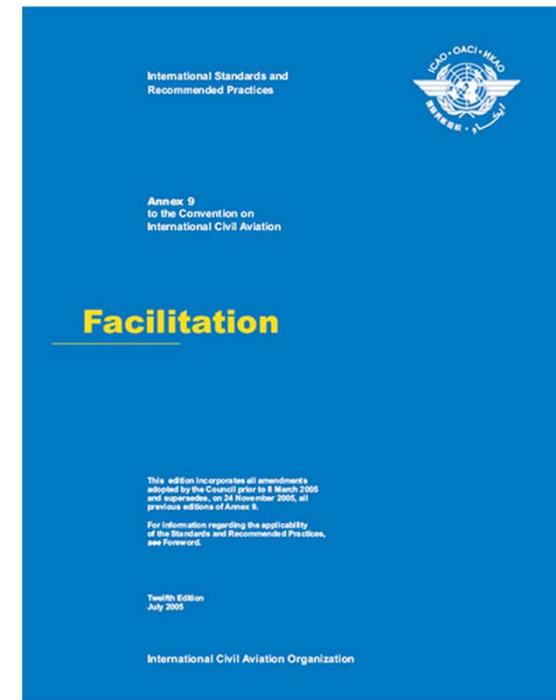## THE CONVENTION ON INTERNATIONAL CIVIL AVIATION

CHICAGO CONVENTION GOALS

- Establishes principles and arrangements in order that international civil aviation may be developed in a safe and orderly manner

- International civil aviation help create and preserve friendship and understanding among the nations and peoples of the world

- Recognizes that its abuse can become a threat to the general security

- Avoid friction and to promote that co-operation between nations and peoples upon which the peace of the world depends

ICAO – SPECIALIZED UN AGENCY

191 Contracting States

Assembly

Council (36)

President

ATC

Secretariat

Secretary General

5 Bureaux

Air Transport Bureau

Aviation Security & Facilitation

MRTD Programme

CHICAGO CONVENTION & THE MRTD COMMUNITY

- **Binding <u>all agencies</u> related to Annex 9 – Facilitation related to MRTDs, immigration, customs, border control**

- **Several State agencies mandated to implement convention obligations**

- **Normally coordinated by the Civil Aviation Authority**

  - FAL Contact/Officer
  - FAL National Programme
  - FAL Airport Programme

- **Convention applicable to the MRTD Community**

International Standards and Recommended Practices

Annex 9
to the Convention on
International Civil Aviation

Facilitation

This edition incorporates all amendments adopted by the Council prior to 8 March 2005 and supersedes, on 24 November 2005, all previous editions of Annex 9.

For information regarding the applicability of the Standards and Recommended Practices, see Foreword.

Twelfth Edition
July 2005

International Civil Aviation Organization

ICAO POLICY MAKING STANDARDS & RECOMMENDED PRACTICES (SARPS)

What?

- **Standards and Recommended Practices (SARPs)**

- **Standards (ex. MRTD) - Shall**

  - All passports issued to be MRPs according to Doc 9303 (3.10)
  - All passports in circulations after 24/11/ 2015 to be MRPs (3.10.1)
  - One Person, One Passport (3.15)

- **Recommended Practices (SARPs) - Should**

  - Incorporation of biometric data and issuance of ePassport (3.9)
  - Introduction of API systems (3.47)

- **Differences to Standards**

WHAT DO WE DO

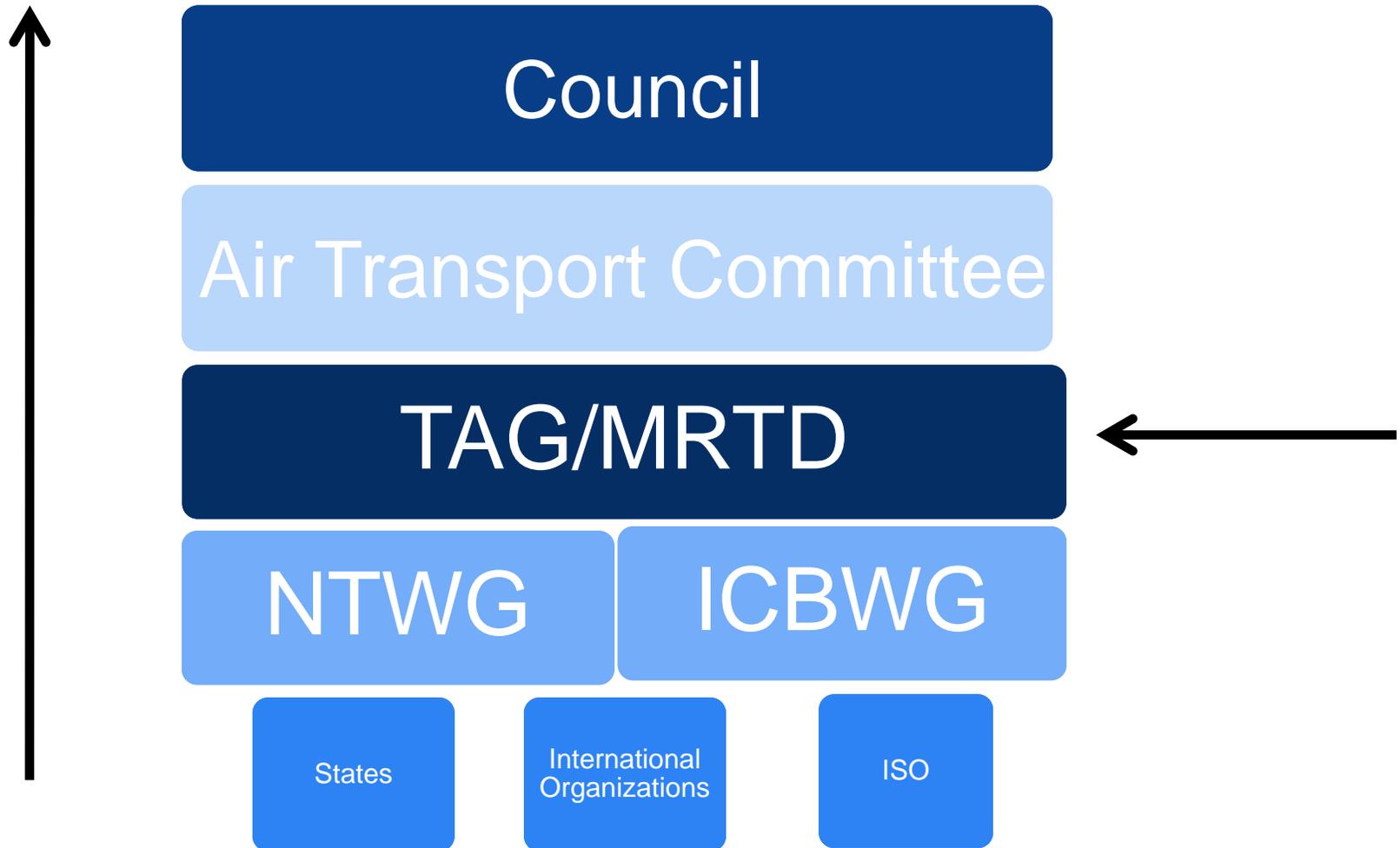## ESTABLISH STANDARDS AND SPECIFICATIONS FOR MRTDS AND EMRTDS

MRTD PROGRAMME

- **Aimed at producing standardized and interoperable specifications for issuance and verification of travel documents**

- **Build confidence in the reliability of travel documents**

- **Effective inspection procedures**

- **Facilitates inspection formalities for the majority of travellers**

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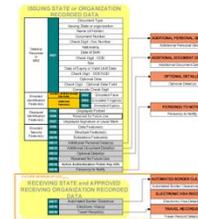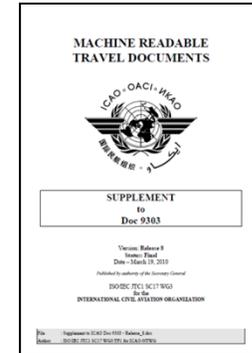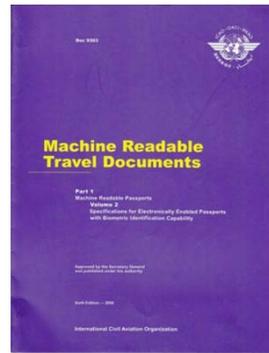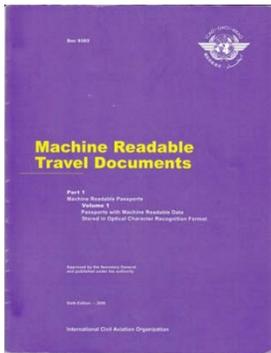# FROM MRTD TO TRAVELLER IDENTIFICATION PROGRAMME

ICAO POLICY MAKING FOR MRTD SPECIFICATIONS

Council

Air Transport Committee

TAG/MRTD

NTWG **ICBWG**

States

International Organizations

ISO

ICAO POLICY MAKING FOR GUIDANCE MATERIAL

What? - Standard 3.10 and 3.9 refer to specifications

- Guidance Material - Doc 9303

MRP

CHIP RFID 14443

IMAGE FACE

LDS

0111001001010

PKI
DIGITAL
SIGNATURE
PKD

STANDARDS

Part 2 - Visa

Doc 9303

ISO : SC17 WG3

ISO/IEC 7501

Part 1 – Passport ePassport

Part 3 - Official Travel Document

PART 1 – MRPS
DATA PAGE LAYOUT

MRZ – SECURITY

country code

document
type

primary & secondary
identifiers (names)

filler characters

P<ARCGREY<<AMANDA<CAROLINE<<<<<<<<<<<<<<<<<<

00000674<7ARC7111114F1407237000011190<<<<<<78

passport
number

nationality

sex

optional data

check digits

date of
birth

date of expiry

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EVIDENCE OF IDENTIFICATION

EVIDENCE OF IDENTIFICATION

Criminal focus shifting to lesser developed areas:

- Evidence of Identity
- Issuance process
- Travel document fraud
- Identity fraud at the border

Unless addressed, weakens the core MRTD programme and <u>global trust</u>!
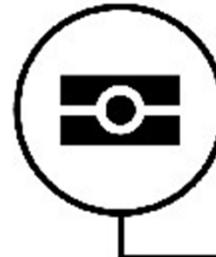
EMRTDS - EPASSPORTS

ELECTRONIC MRTDS - EPASSPORTS

- **Enhance Security**
- **Biometrics for identity confirmation**

EPASSPORT: THE TRUST IMPERATIVE

- ePassport must be ICAO compliant
- ePassports are Passports with a chip. The chip augments the security of the Passport, it does not replace it
- ePassports are issued by entities that assert trust – Identification supply chain
- Achieve global exchange of certificates et al.
- Improper validation of E-Passport leads to a "false" sense of security

INSPECTION SYSTEMS & TOOLS

ICAO PKD – Authentication & Validations of ePassports

via bilateral exchange

country

via PKD

country
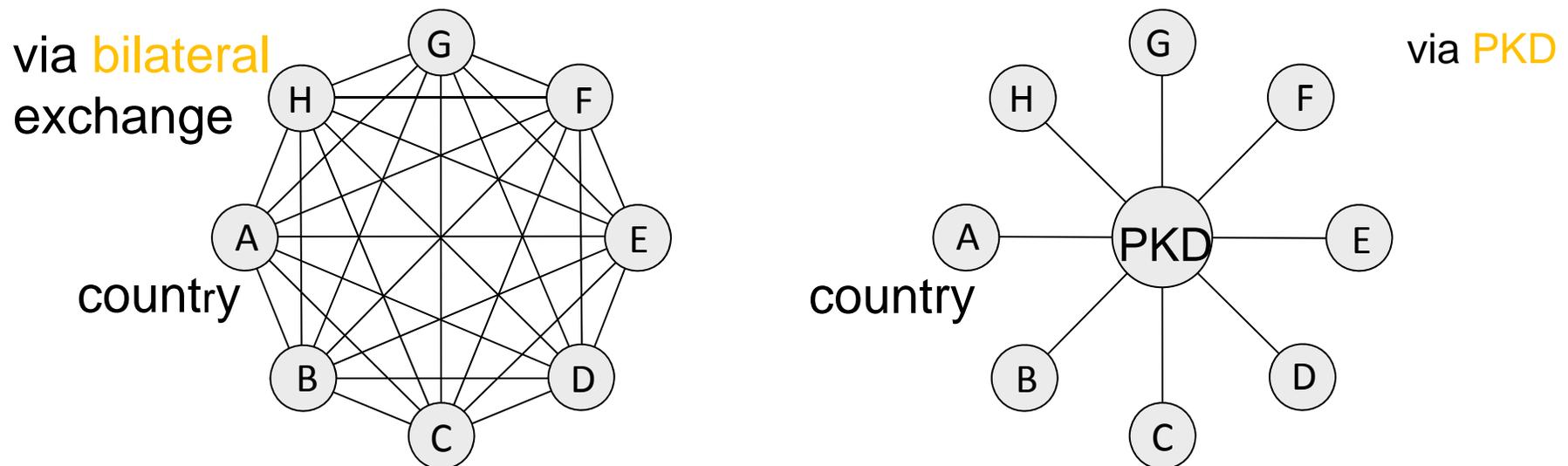
This example shows **8** States requiring **56** bilateral exchanges (left) or **2** exchanges with the PKD (right) to be up to date with certificates and revocation lists.

In case of **191** ICAO States **35,910** bilateral exchanges would be necessary while there are still **2** exchanges necessary with the PKD.
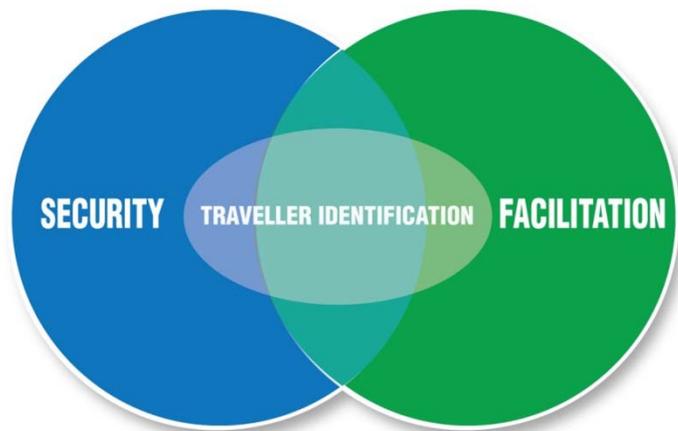
INTEROPERABLE APPLICATIONS

INTEROPERABLE APPLICATIONS

- **API**
- **PNR**
- **"Watch lists" Bilateral and multilateral exchanges**
- **"Trusted" or "expedited" travellers**
- **INTERPOL**

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BENEFITS OF THE MRTD PROGRAMME

SECURITY — **FACILITATION**
TRAVELLER IDENTIFICATION

SECURITY

Detect and Prevent...

- Entry of terrorists and criminals
- Attacks and attempted attacks
- Use of crafts/vehicles as weapons
- Movement of weapons/explosives
- Criminal activity (especially when used to fund terrorism)
- Child abduction
- Human trafficking
- Illegal immigration

FACILITATION

Support and Expedite...

- Domestic and international travel
- Tourism
- Imports/exports and domestic trade
- Immigration/migration
- Treaty commitments and human rights — refugees, stateless persons, children
- Emergency response — identification of victims and survivors
- Crime detection — tracking of suspicious persons and behaviour

WHAT ELSE DO WE DO

IMPLEMENTATION, ASSISTANCE AND CAPACITY BUILDING ON MRTDS

IMPLEMENTATION, ASSISTANCE AND CAPACITY BUILDING

- **States to comply with MRP standards and specifications by April 2010**

- **No non-MRP in circulation after November 2015**

- **Incorporation of Biometric Technology**

- **Improve and secure the passport issuance process**

- **Establish robust identity management systems**

IMPLEMENTATION, ASSISTANCE AND CAPACITY BUILDING

- **Promotion and Education – Partnership (ex. Regional seminars, symposium, workshops)**

- **MRTD Report (Magazine)**

- **Assistance**

- **Technical Cooperation Projects**

IMPLEMENTATION OF MRTDS DEPENDS ON:

- **Access to the necessary expertise**

- **Access to adequate, necessary and functional equipment for edition, organization and implementation of MRTDs**

- **Capacity of manpower of States to operate equipment, training and maintain this capacity**

- **Coordination and management of the set of procedures**

- **Management of the stakeholders and the process-associated risks**

BENEFITS FOR STATES

- **UN agency establishes standards and specifications**

- **Identify expertise and technology**

- **Long and proven experienced Technical Cooperation Bureau**

- **Compliance with Annex 9 and 17, and Doc 9303**

- **Neutrality, objectivity and transparency**

- **Ensure use of convenient, updated information and technology**

- **Cost-effective, involvement of recipient State**

BENEFITS FOR STATES

- **Regional and sub-regional arrangements**

- **ICAO advantages in procurement**

- **ICAO coordinates with donors and funding organizations**

- **Convenient funding modalities**

BENEFITS FOR STATES

- **ICAO is accountable for results of project under its responsibility**

- **Special attention will be given to full coordination other AVSEC, National Security or border control projects and requirements**

WINNERS: NATION STATES

- **Better systems for securing borders against illegal migration, transborder crime, terrorism.**

- **Better systems for securing nations against fraud.**

BIG WINNERS:
THE PEOPLES OF THE WORLD

- **Worldwide confidence in authentic identity documents**

- **Protection from identity theft**

- **Use of machine-assisted systems**

- **Shorter lines**

CONCLUSIONS

- **ICAO is your UN agency**

- **Establishes trust among nations**

- **Establishes and maintain MRTD and eMRTDs standards and specifications**

- **Establishes trust in Evidence of Identification**

- **Effective inspection procedures**

- **Facilitates inspection formalities for the majority of travellers**

- **Provides assistance**

ICAO WEB SITE

THANK YOU

Mauricio Siciliano

MRTD Programme

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