



INTERNATIONAL CIVIL AVIATION ORGANIZATION



ICAO Regional Seminar on MRTDs, Biometrics and Border Security

27 - 29 November 2012

Elephant Hills Resort,
Victoria Falls, Zimbabwe

Roman Vanek

PKD Board Chairman

Chief Division Identity Documents and Special Tasks

Federal Office of Police, Switzerland



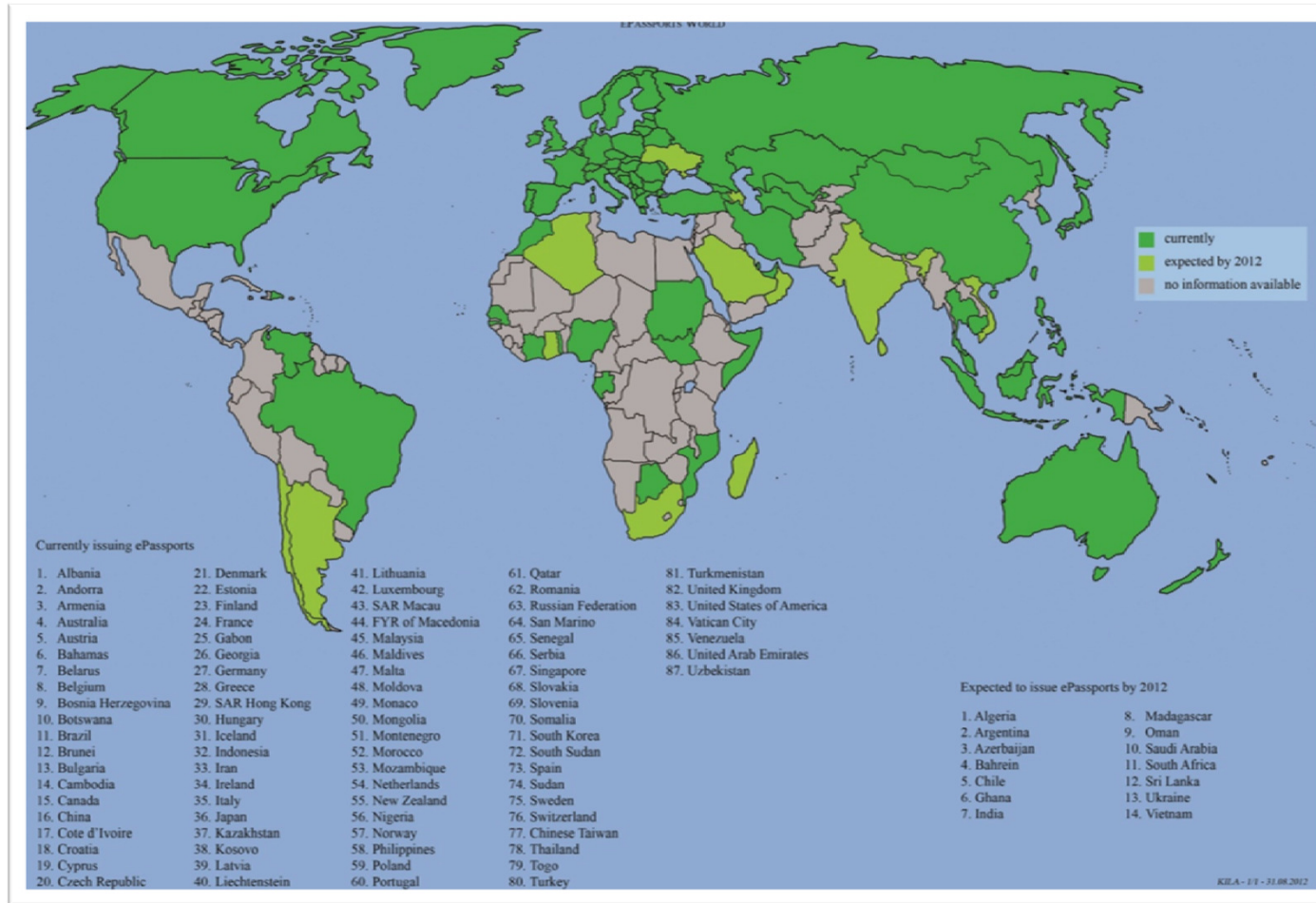


Contents

- eMRTDs – worldwide introduction – state of play
- PKD – Participation – an overview
- Reasons to join – benefits of participating
- How do we work together?

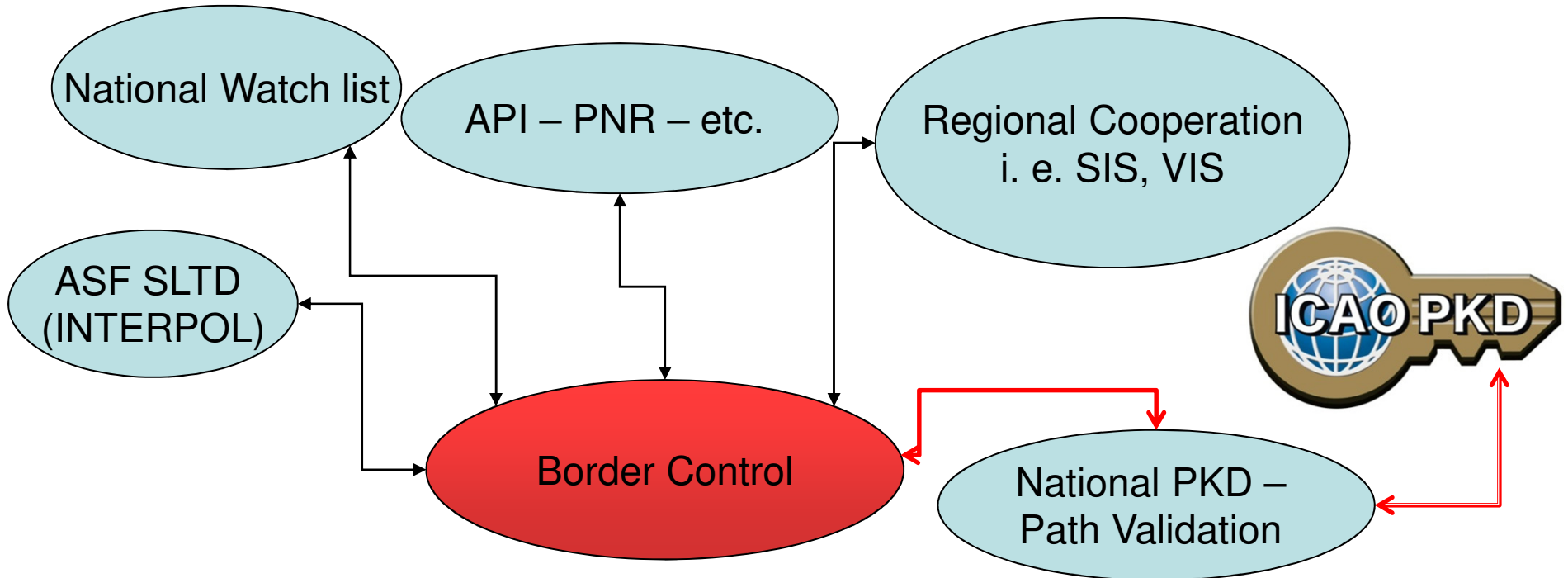


e-passports - a success story





Border Control: the ideal setup includes ICAO PKD





Current Situation

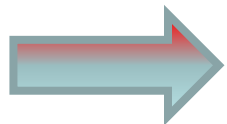




Facts & Figures (October 2012)



- Number of PKD Participants: 34
- Number of ePassports issued: 490'000'000
- Number of ePassports issued by PKD Participants: 363'000'000



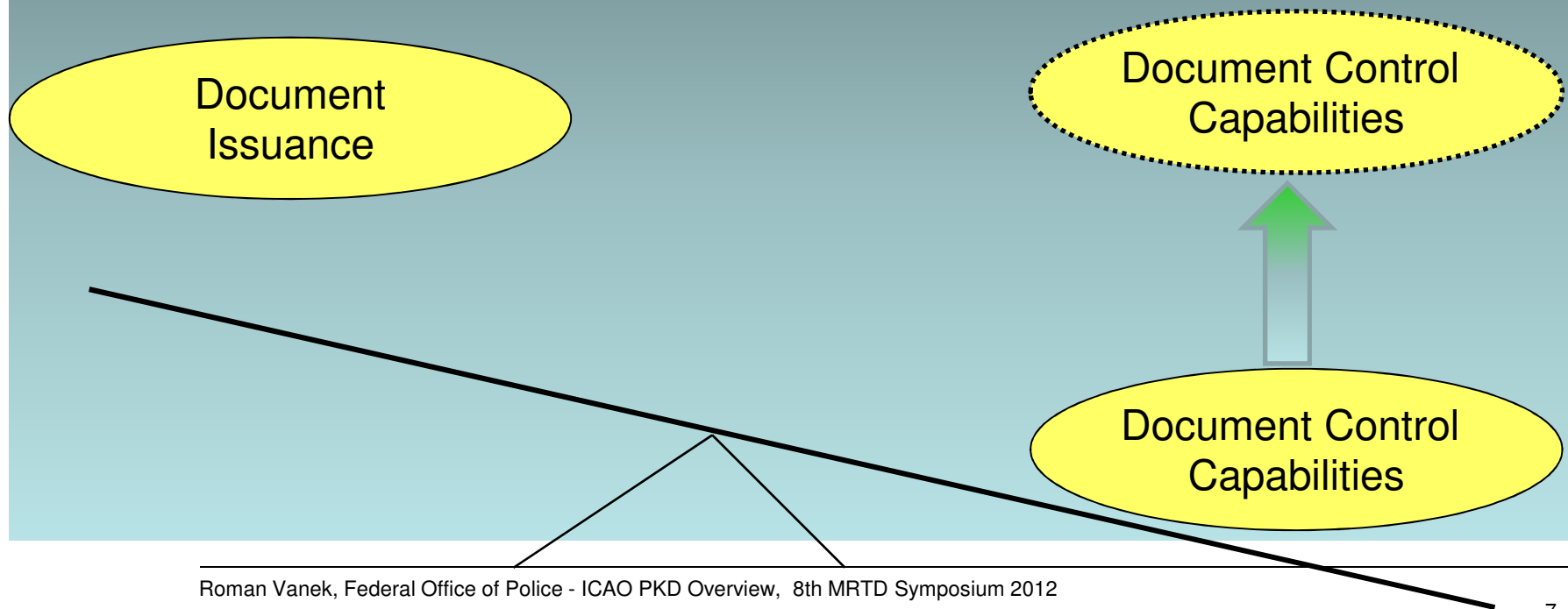
74 % of ePassports are issued by PKD Participants
= very high benefit for border control authorities.

3 Master Lists available (Germany, Australia, Switzerland)



Resetting of priorities to improve document control capabilities

- Issuing of eMRTDs had the priority for many countries
- The priorities have to be balanced now

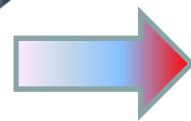




What do Border Control Authorities need to check?



- Some may require only CSCAs (**minimum requirement**, trust chain)
- Some require CSCA and CRL
- Some require CSCA, DSC and CRL

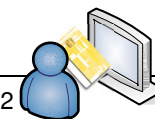
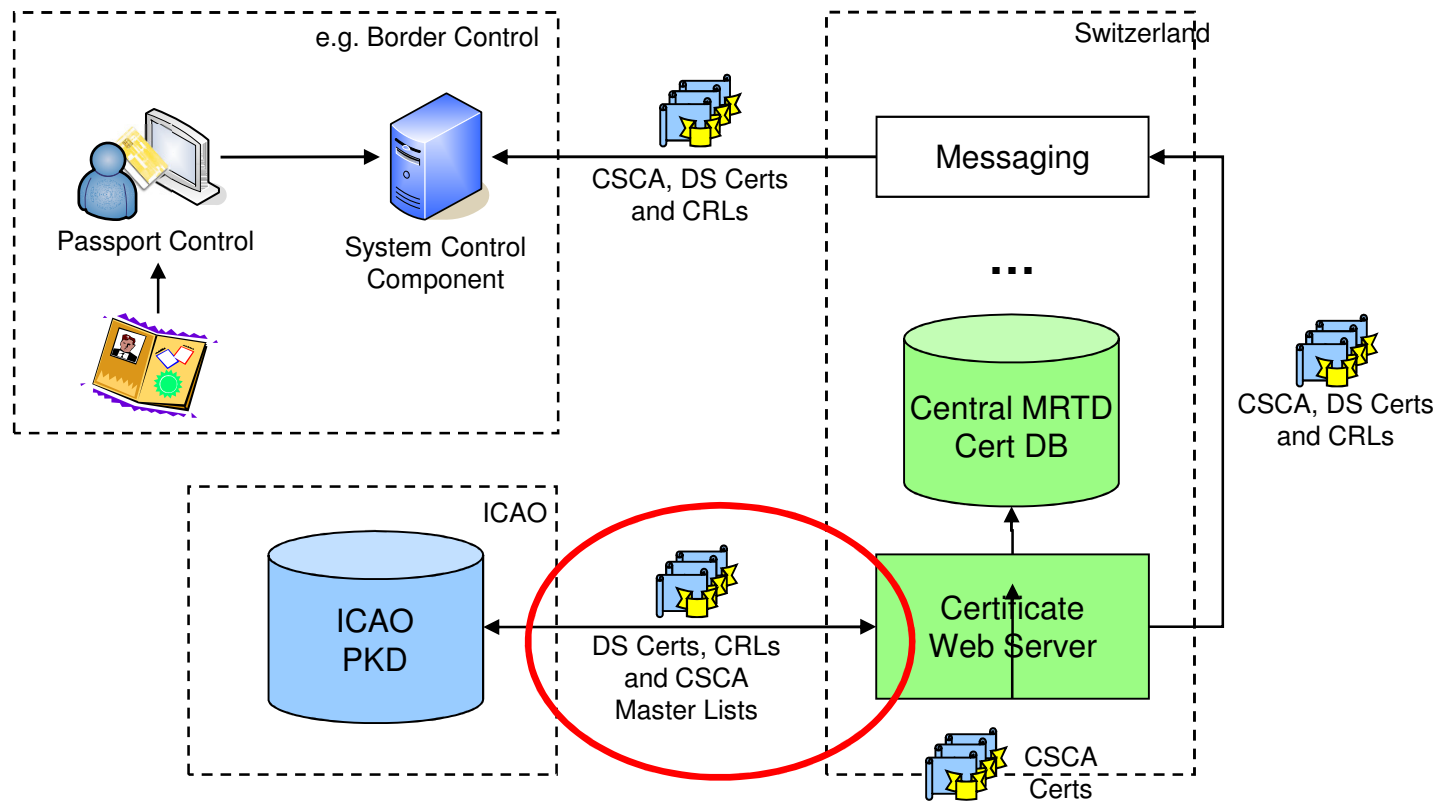


Make all three available through the PKD and let the responsible authorities use what they want to establish trust.





PKD Set-up details - Switzerland





Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra



Federal Department of Justice and Police
Federal Office of Police fedpol
Division Identity Documents and Special Tasks


Details ePassport Check 1

Ausweisdaten auslesen

Persönliche Daten | Foto | Dokument-Datenbankprüfung | Sicherheitsprüfungen | MRZ-Daten | Vollständige Chip-Daten


Biometrische Daten


Reisepass-Bild  Chip-Bild 


Fingerabdruck verfügb... 


Dokumentenidentifikation

Digitale Sicherheit

MRZ 

Chip 

Andere Tests 



Details anzeigen

Persönliche Daten

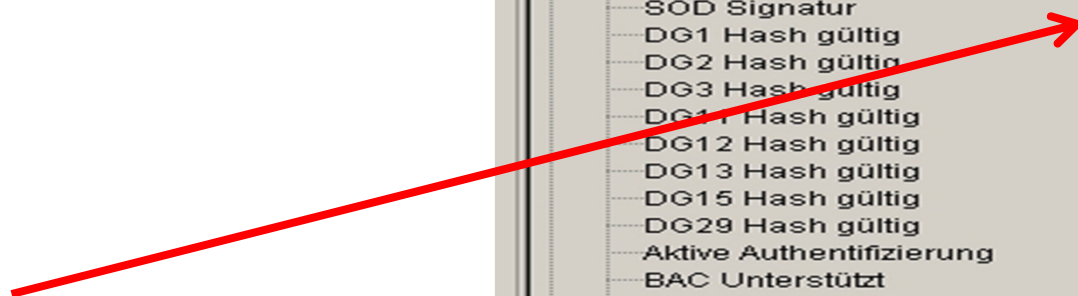
Name	PIERRE	Geschlecht	M
Nachname	DE MAIENFELD	Geburtsdatum	01 AUG 71
Nationalität	SWITZERLAND		
Dokumentenanzahl	S2100001	Ablaufdatum	29 FEB 20
Ausstellendes Land	Switzerland	Ausgabedatum	

Abbrechen Fertig stellen



Details ePassport Check 2

Points that may
need clarification



Sicherheitsprüfung		
[-] MRZ		
Prüfsummenprüfung		✓
[-] Chip		
Zertifikatssignatur gültig		✓
Zertifikatssperrung		✓
Zertifikat Ablaufdatum		?
SOD Hash-Wert		✓
SOD Signatur		✓
DG1 Hash gültig		✓
DG2 Hash gültig		✓
DG3 Hash gültig		✓
DG4 Hash gültig		✓
DG12 Hash gültig		?
DG13 Hash gültig		?
DG15 Hash gültig		?
DG29 Hash gültig		?
Aktive Authentifizierung		?
BAC Unterstützt		✓
BAC-Daten lesbar		✓
EAC Unterstützt		✓
EAC Chip-Authentifizierung		✓
EAC Terminal-Authentifizierung		✓
EAC Daten lesbar		✓
[-] Dokument-Datenbank		
Bekanntes Dokument		✓
Trainiertes Dokument		✓
Gültige Dokumentenserie		✓
B900 Tinte		✓
Sichtbares Muster		✓
IR-Muster		✓
IR-Helligkeitsmuster		?
UV-Muster		?
UV-Helligkeitsmuster		?
Siegelmuster		?
Manipulieren		?
[-] Andere Tests		
Smartcard-MRZ-Vergleich		✓
Ablaufdatum		✓

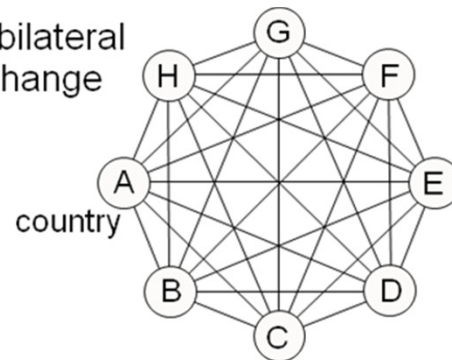


Need to participate

- The need to exchange certificates is the logical step forward from the well known specimen exchange; you must know what you're looking for when inspecting a travel document.

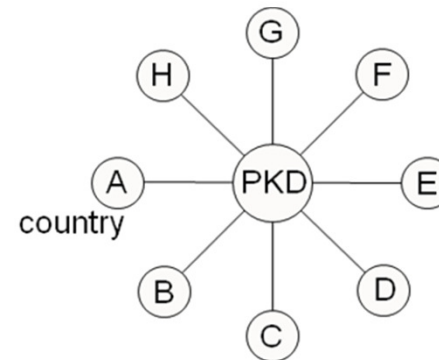


via bilateral exchange



country

via PKD

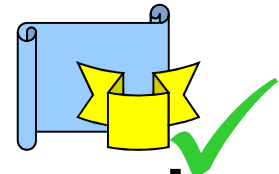


country

Conformity validated certificates



Conformance checking



- **Conformance monitoring / checking engine**
Verifies compliance of CSCA/DSC/CRL to Doc 9303
 - If not compliant to minimal standard – publication in a separate branch is possible / advice is given and a deadline is set to fix the problem – machine readable error codes available.
 - Also checks if DSC/CRL was previously issued.
 - CRL checked if it is the latest.



Finances



ICAO-PKD registration fee: USD 56'000

ICAO-PKD annual fee 2013 (Operator fee USD 43'000 + ICAO budget contribution USD 15'971): USD 58'971 – Savings/ICAO contribution 2012 USD 10'947 = USD **47'950 (19 % reduction)**.

**Operator fee reduction as of 1.1.2014:
USD 34'000 (21 % reduction)**



- How much is the trust in your passport worth?
- How much did you spent on your ePassport project?



In the best national interest



➔ **Border Control Authorities interests in the PKD**

Protecting the borders in a reliable, cost effective and fast way
living up to the citizens
expectations for facilitation & security.



➔ **Issuing Authorities interests in the PKD**

world wide recognition of a nation's eMRTD, allowing it's
citizens to cross borders as easily as possible.

**Avoid inter agency disputes about competences, it's in
everybody's interest**



ICAO - HLCAS



- High-Level Conference on Aviation Security
12. – 14. September 2012
- Conference Conclusions:

Recommendation: consider to join the PKD



ICAO has a strong commitment to the PKD

Funding is provided to cover ICAO-PKD related staff, administration and travel costs. Similar funding should be available 2013. This results in a fee **reduction for participants, see above.**



How to join?

- All the information and necessary forms can be found:
<http://www.icao.int/Security/mrtd/Pages/PKD-HowtoPartici.aspx>

It's not as complicated as it looks, best option:
follow the upcoming presentation by:



Christiane DerMarkar, (CDermarkar@icao.int)



How does the PKD Board Work?

- The Board is a standing body, consisting of 15 delegates from participating countries (3 year terms).
- Current Board Members: Australia, Canada, China, France, Germany, India, Japan, Netherlands, New Zealand, Nigeria, Singapore, Switzerland, United Arab Emirates, United Kingdom, United States



How can you participate?

- 2 Annual Meetings, open to Board Members and in agreement with the Chairman to (prospective) PKD Participants and observers. **Next Meeting: 8. & 9. May 2013, Morocco.**
- Technical and operational issues, finances, administration.
- Participation in discussion / e-mail exchange in between meetings / technical support.



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Additional benefit

You have first hand access to the information on PKD/Certificates/eMRTD issues and can participate in the decision shaping/making.



Roman Vanek, Federal Office of Police - ICAO PKD Overview, 8th MRTD Symposium 2012



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Federal Department of Justice and Police
Federal Office of Police fedpol
Division Identity Documents and Special Tasks

Federal Office of Police

Chief Division Identity Documents
and Special Tasks –
PKD Board Chairman

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