



INTERNATIONAL CIVIL AVIATION ORGANIZATION



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**E-VISA – AN ESSENTIAL COMPONENT
OF FACILITATION**

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VISA APPLICATION – THE ISSUES

- Locate embassy – may not be in your country of residence
- Locate correct form to apply – online information is often confusing
- Data requirements may vary
- Visa types – not consistent across countries
- Passport needs to be sent to Embassy for duration of processing
- Visa dependencies
- Fee payment takes different forms



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E-VISA- CURRENT LANDSCAPE



- Apply online on per country basis
- After approval, you get a “reference number”
- Airline checkin counters and immigration need online lookup to verify your visa
- Alternately, visa is printed on plain piece of paper – easy to forge as no security features



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E-VISA- A SUGGESTION



- **Single portal**
 - Easy to apply for multiple countries simultaneously
 - Visa dependencies can be programmed into system
 - Backend integration with country systems
 - Common standards on data capture
- **Issue still remains of format of Visa and its security**



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A SOLUTION

- **Quick Response Codes (QR codes) can be used to store binary data**
- **Can be scanned by Passport readers and even mobile phones**
- **Create LDS according to Doc 9303 using the MRZ of the visa in DG1 and the photo in DG2. Sign and create an SOD.**
- **Store both LDS and SOD in QR code as a replacement to chip**
- **Advantage is that it can be printed by applicant on his own printer**



DEMO – VISA APPLICATION

Visa Application Details



Upload Photo

Travel Details

Which countries would you be visiting?

Germany Liechtenstein
 Singapore USA

Passport Details

Passport No: Place of Issue:

Issue Date: Expiry Date:

Personal Details

Given Name: Surname: Date Of Birth:

Nationality: Gender: Address:

Purpose: Telephone: Email*:

Occupation*: Education*: Marital Status:

- Single portal allows applicant to choose the countries to apply for
- Will enable visa dependencies to be coded into the business logic



DEMO – VISA APPROVAL

Visa Application Details



Upload Photo

Passport Details

Passport No: Place of Issue:

Issue Date: Expiry Date:

Personal Details

Given Name: Surname: Date Of Birth:

Nationality: Gender: Address:

Purpose: Telephone: Email:

Occupation: Education: Marital Status:

Validity

Valid From: Validity Period:

- Approve button – creates LDS and SOD and signs using PKI
- Also creates PDF with the QR codes



SOME THOUGHTS

- **Single portal – who should run it?**
 - A regional grouping of countries that have visa dependencies or visitor concentration?
 - An international body that has “facilitation” as its key objective?
- **Standards needed:**
 - For data captured and transmitted
 - Security of data and privacy issues
 - QR code data structure
 - Distribution of signing keys for verification – PKD?



SUMMARY

- MRTDs are facilitating passenger movement
- Visa schemes need to catch up
- Technology is ready and available
- Need thought leadership and action



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THANK YOU

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