

International Civil Aviation Organization

Sixth Symposium and Exhibition on ICAO MRTDs, Biometrics and Security Standards

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Implementing eMRTD Projects: Points to Watch

Markus Hartmann

Member of ICAO ICBWG, ISO WG3

Managing Director of HJP Consulting GmbH

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Agenda

- Introduction
- Initiating
- Planning
- Procuring
- Implementing
- Approving
- Operating
- Conclusion

Introduction What are you looking for?

• e-passport?

OR

passport with chip?



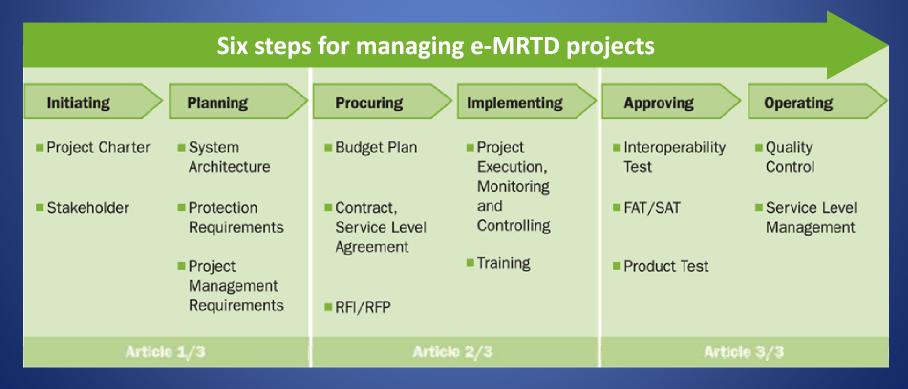
Introduction eMRTD projects are complex!

Project managers have many points to watch:



Introduction Six steps for managing eMRTD projects

- Generic project management skills needed
- eMRTD systems expertise required



Initiating All stakeholders must be addressed

Better to involve all parties from the start:

- Who is in charge?
- Who is involved?
- Who is to be informed?



Planning Scope Statement forms the basis

Requirements specifications should cover:

- System architecture
- Protection requirements
- Project management

Don't forget the "internal work packages"!



Planning Structuring sound requirements

Requirements need to follow standards:

identifier

11/02/2010

REC2119: Using key words, e.g. MUST, SHOULD, MAY
 Unique : Semi-formal language for IT requirements

PM123_M
The Passport Management
System MUST interface with
the National PKD System

Semi-formal language

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Procuring Selecting the best value for money

Two steps to focus our evaluation efforts

- Request for Information (RFI)
 - Shortlist the best suppliers
- Request for Proposal (RFP)
 - Compare solutions against requirements

Ensure you obtain several offers to compare!



Procuring Proposals need compliance matrices

→ Let the supplier prove compliance with your requirements: to the point — no blah-blah!

Key Word

| Req. ID | Comp- liant | Partially | Not compl. | Explanation or reference by supplication |
|----------------------|----------------|-----------|------------|--|
| PM456_R | | X | | Explanation: The passport management system WILL control and manage the lifecycle of the e-passport from issuing to delivery, using IBM CRI base. Reference: - Chapter: A4.1 Overview, Page: 56 |
| PM123_M | X | | | Explanation: The passport management dem WILL download all certificate material from ICAO lic Key Directory via LDAP interfaces. Reference: - Chapter: A4.2 ICAO PKD, Page: 95 |
| Unique identifier | | | | response to each Req. ID |

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Contract Vital book of rules for both parties

Contracts are NOT made for lawyers but for

Project Managers!

- Who? => Supply chain
- What? => Scope of Work
- How? => Working rules
- => Testing procedures
- Change? => Change Control
- Fail? => Legal proceedings



Approving Qualify eMRTD using ICAO Tests

ICAO provides test standards on e-passport testing:

- Durability
- •RF Protocol, Layer 1-4
- •RF Application, Layer 6-7

No booklet tests on security features for 9303v1 available yet



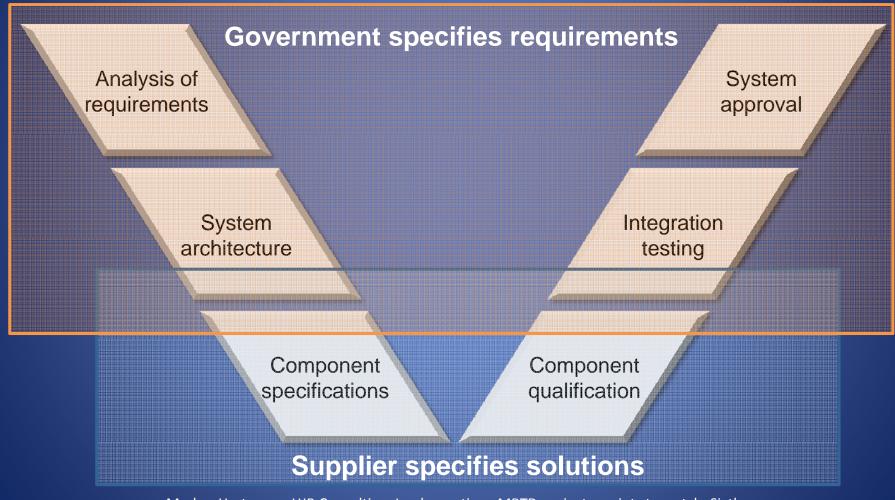
Approving IT integration testing during SAT

Site Acceptance Test (SAT) tests reality:

- Review test specifications
- Develop and run own tests
- Audit supplier tests
- Check third party lab tests
- Review test reports



Approving V-model: Testing against requirements



Operating Keep quality levels high after roll out

Quality assurance is a continuous process of

- Initial qualification
- Incoming inspection
- Process control
- Outgoing inspection

Availability of service should be measured by

Service Level Agreements (SLA)

Conclusion Planning efforts will pay off

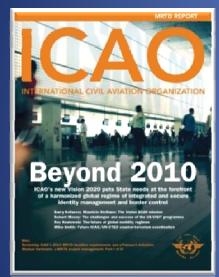
Do it right from the start

- Involve stakeholders
- Specify requirements
- Develop contract jointly
- Test the reality in SAT
- Use ICAO test standards
- Continue with Quality
 Assurance

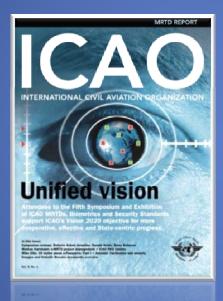


Thank you for listening

Read the full feature in these 4 MRTD Reports

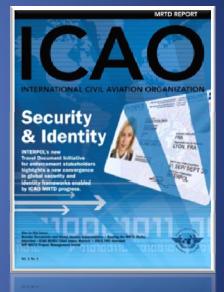












Contact:

Markus Hartmann, HJP Consulting markus.hartmann@hjp-consulting.com