



# **Integrating Supplement Information into Doc9303**

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TAG/MRTD 19**

**19<sup>th</sup> Meeting of the Technical Advisory Group on Machine Readable Travel Documents**

# Supplement to Doc 9303

- Release 1 – December 2004
- Release 2 – June 2005
- Release 3 – February 2006
- Release 4 – June 2006
- Release 5 – February 2007
- Release 6 – September 2007
- Release 7 – November 2008



# Supplement to Doc 9303

- Release 8 – Q1 2010
  - AA and ECDSA
  - Algorithms and key lengths
  - Date format
  - DG3 structure
  - Referenced standards



# ICAO Standard - Doc 9303

- Part 1 – Machine Readable Passports
  - Sixth edition - 2006
- Part 2 – Machine Readable Visas
  - Third edition - 2005
- Part 3 – Machine Readable Official Travel Documents
  - Third edition - 2008



# Supplement to Doc 9303

## ➤ Release 7

- Part 1, Volume 1 – 7 issues
- Part 1, Volume 2 – 74 issues
- Part 2 – 4 issues
- Part 3, Volume 1 – 3 issues
- Part 3, Volume 2 – 25 issues



# Supplement clean-up report

R5-p1\_v2\_sIII\_0044

## **Reference:**

### **Issue:**

Regarding Secure Messaging Data Object Doc 9303 Part 1 Volume 2 6th edition:

An empty value field of Le Data Object in Secure Messaging command ISO/IEC 7816-4:2005 allows using empty value field of Le Data Object. Section 6.4 in ISO/IEC 7816-4:2005 describes “Both zero and the empty Le data object mean the maximum, i.e., 256 or 65536 depending upon whether the new Le field is short or extended”. But Doc 9303 Part 1 Volume 2 6th edition do not describe such empty value field of Le Data Object. See Figure IV-5-2 Computation of a SM command APDU.

Proposal: Do not use an empty value field of Le Data Object

### **Conclusion:**

Accepted.

### **Clarification:**

To avoid ambiguity it is RECOMMENDED not to use an empty value field of Le Data Object.

### **Clean-up action:**

In 9303 part 1 volume 2 section IV app. A5.3 insert text below table IV-1, similar to part 3. Text:

“\* DO ‘85’ (odd INS byte) or DO ‘87’ (even INS byte) is used.

Figure A5-2 shows the transformation of an unprotected command APDU to a protected command APDU in the case Data and Le are available. If no Data is available, leave building DO ‘87’ out. If Le is not available, leave building DO ‘97’ out. Section 6.4 in ISO/IEC 7816-4:2005 describes “Both zero and the empty Le data object mean the maximum, i.e. 256 or 65536 depending upon whether the new Le field is short or extended”.

To avoid ambiguity it is RECOMMENDED not to use an empty value field of Le Data Object.”

Remove issue from the Supplement.



# ICAO Standard - Doc 9303

- Part 1 – Machine Readable Passports
  - Seventh edition – 2012(?)
- Part 2 – Machine Readable Visas
  - Fourth edition – 2012(?)
- Part 3 – Machine Readable Official Travel Documents
  - Fourth edition – 2012(?)



# Working Paper

- The TAG-MRTD is invited to
  - Confirm the new work item concerning the Supplement clean-up activity
  - Consider, as a result of this activity, the publication of new (revised) editions of all three parts of Doc 9303 at the same time





**Thank you  
for your attention**

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