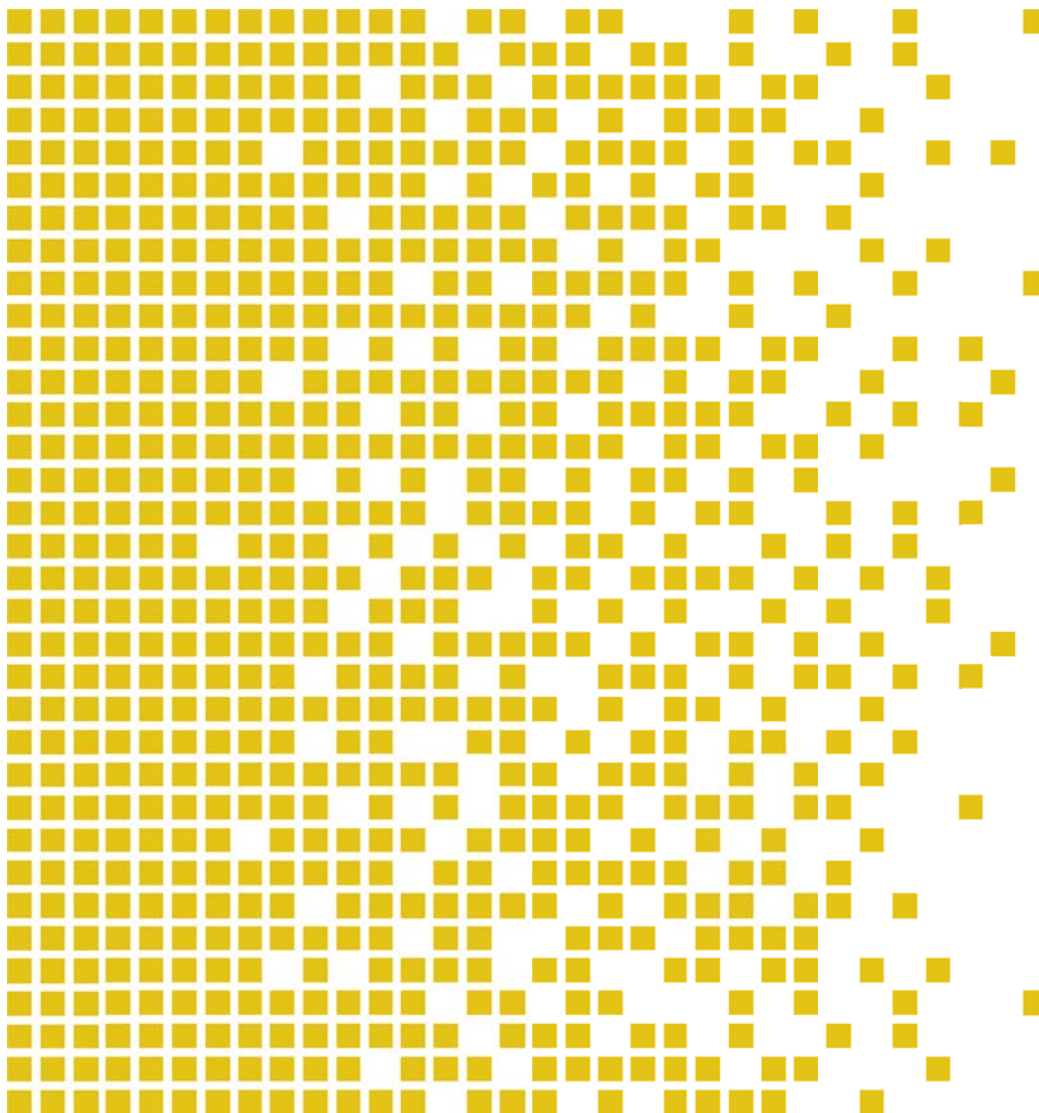# SERTIT-012 MR Maintenance Report

Issue 1.0, 29 September 2010.

Thales Operator Terminal Adapter (OTA)

Trusted Kernel version 3AQ 24860 AAAA 6.2.2
Firewall Definitions file 3AQ 24862 HAAA 6.2.2
Hardware Versions 3AQ 21564 AAAA ICS5A, -ICS7, -ICS7A, -ICS7B

1. Introduction

The certified TOE was evaluated according to Common Criteria version 2.3 and Evaluation Assurance Level EAL 5 augmented with ALC_FLR.3.

The IT Security Evaluation Facility (ITSEF/EVIT) was Secode Norge AS.

The sponsor/developer is Thales Norway AS. The Security Developer Analyst at Thales Norway for this Maintenance process was Bent Larsen.

Thales Norway submitted an Impact Analysis Report (IAR) [5] to SERTIT on June 30th 2010. The IAR is intended to satisfy requirements outlined in version 1.0 of the Common Criteria document CCIMB-2004-02-009: Assurance Continuity: CCRA Requirements. In accordance with those requirements, the IAR describes the changes made to the TOE.

2. Certified TOE identification:

Thales Operator Terminal Adapter (OTA) with

Trusted Kernel version:

- 3AQ 24860 AAAA 6.2.1

Firewall Definitions file:

- 3AQ 24862 EAAA 6.2.2

Hardware versions:

- 3AQ 21564 AAAA ICS5A
- 3AQ 21564 AAAA ISC7
- 3AQ 21564 AAAA ICS7A
- 3AQ 21564 AAAA ISC7B

Documents:

[1] Operator Terminal Adapter Security Target, 3AQ 24863 AAAA SCZZA Ed. 6.2.2, 30 October 2009.
[2] SERTIT-012 CR Certification Report, Issue 1.0, 24 March 2010
[3] SERTIT-012 C Certificate, Issue 1.0, 24 March 2010
[4] Evaluation Technical Report of the re-evaluation of the Operator Terminal Adapter – OTA, S22.86/20.06, 11.12.2009

3. Maintained TOE identification

Thales Operator Terminal Adapter (OTA) with

Trusted Kernel version:

- 3AQ 24860 AAAA 6.2.2

Firewall Definitions file:

- 3AQ 24862 HAAA 6.2.2

Hardware versions:

- 3AQ 21564 AAAA ICS5A
- 3AQ 21564 AAAA ISC7
- 3AQ 21564 AAAA ICS7A
- 3AQ 21564 AAAA ISC7B

Documents:

[5] Impact Analysis Report 3AQ 24863 AAAA IAR Ed. 6.2.1, 29 June 2010
[6] Operator Terminal Adapter Security Target, 3AQ 24863 AAAA SCZZA Ed. 6.2.3, 08 June 2010.
[7] SERTIT-012 MR Maintenance Report, Issue 1.0, 29 September 2010 (This document)

4. Description of Changes

The OTA hardware is unchanged.

The OTA Trusted Kernel has been subject to flaw remediation due to 3 minor flaws detected by the developer.

Thales' flaw identification numbers are:

- FLIS no. 24285
- FLIS no. 24286
- FLIS no. 24290

The flaws have been handled according to the Flaw Remediation procedures included in the Assurance Package of the certified and baselined TOE.

The OTA Firewall Definitions file is updated to fulfil the customer requirements regarding the set of messages which shall be allowed by the OTA. In general this means:

- removal of unused messages
- adding new messages

Change related to the OTA firewall definition file (Change ID C5193):

- Remove all ISDN Messages
- Remove all ISDN Information Elements
- Remove all ISDN Facility Elements
- Remove test packet for ISDN
- Remove messages for control of Radio Switch (RS)
- Remove OTA OIDs related to Routing
- Remove IPM OIDs related to Telephony (TEL)
- Remove IPM OIDs related to Loop Monitoring
- Remove IPM OIDs related to Telephone Radio Access (TRA)
- Remove NCU OIDs
- Add IPM OIDs related to Radio Management

5. Affected Developer Evidence

Affected item	Modification purpose	Modification description
OTA Security Target	Reflecting the new variant of the OTA Firewall definition file	The new customised variant of the OTA Firewall definition file is included in the TOE specification. The TOE "Security Target" document now lists all customised variants of the OTA Firewall definition file. It is emphasised that the variants are mutual exclusive to the OTA Trusted Kernel.
Document status list	Reflecting all new editions of related documents	Variant code and version updated to reflect the content of the documents for the OTA software.
OTA Firewall module test results	All module test points tested for new variant.	Updated reference to OTA Firewall definition file, and test log.
DOORS module, ACECOM v6 / IVV-OTA: Baseline HAAA 6.3.3	Document the integration test results	Mandatory log of the results from the integration tests with the new OTA Firewall definition file.
OTA Firewall definition file	Firewall configuration in accordance with customer needs (i.e. the content of the FDF)	The Telephone service is not part of the delivery. UDP ISDN: - removed all 24 ISDN Messages - removed all 19 ISDN Information Elements - removed all 2 ISDN Facility Elements - removed test packet for ISDN Interface to external Radio Switch is not part of the delivery. TCP VCS: - removed 29 messages for control of Radio Switch (RS) The Telephone, the Loop Monitoring, and the Telephone Radio Access services are not part of the delivery. SNMP OIDs: - removed 6 OTA OIDs related to Routing - removed 5 IPM OIDs related to Telephony (TEL) - removed 14 IPM OIDs related to Loop Monitoring - removed 25 IPM OIDs related to Telephone Radio Access (TRA) - removed 24 NCU OIDs Supervision of radios from the SMA is part of the delivery. SNMP OIDs: - added 31 IPM OIDs related to Radio Management Note: The added OIDs are tested in the same way as the other OIDs. The Trusted Kernel code performing the check of the messages including the OIDs is not changed.

6. Conclusion

Customer requirements to the OTA product's firewall function caused changes in the OTA Firewall Definition file which contains the configuration parameters for the OTA trusted kernel. The type and number of legal messages through the firewall is changed according to specific operational use. The OTA trusted kernel itself is not changed.

The TOEs security functionality described by the Security Function Requirements specified in the ST [1] are not affected by this change. Through functional testing of the OTA, assurance gained in the original TOE certification was maintained. As change to the TOE has been classified as minor, it is the conclusion of SERTIT that the maintained TOE is appropriate for assurance continuity and re-evaluation is not required.

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Quality Assurance	Lars Borgos Quality Manager
Approved	Kjell W. Bergan Head of SERTIT
Date approved	29 September 2010