# SERTIT-012 MR Maintenance Report

Issue 2.0, 7 November 2011.

Thales Operator Terminal Adapter (OTA)

Trusted Kernel version 3AQ 24860 AAAA 6.2.2
Firewall Definitions file 3AQ 24862 TRAA 6.2.7
Hardware Versions 3AQ 21564 AAAA ICS5A, -ICS7, -ICS7A, -ICS7B
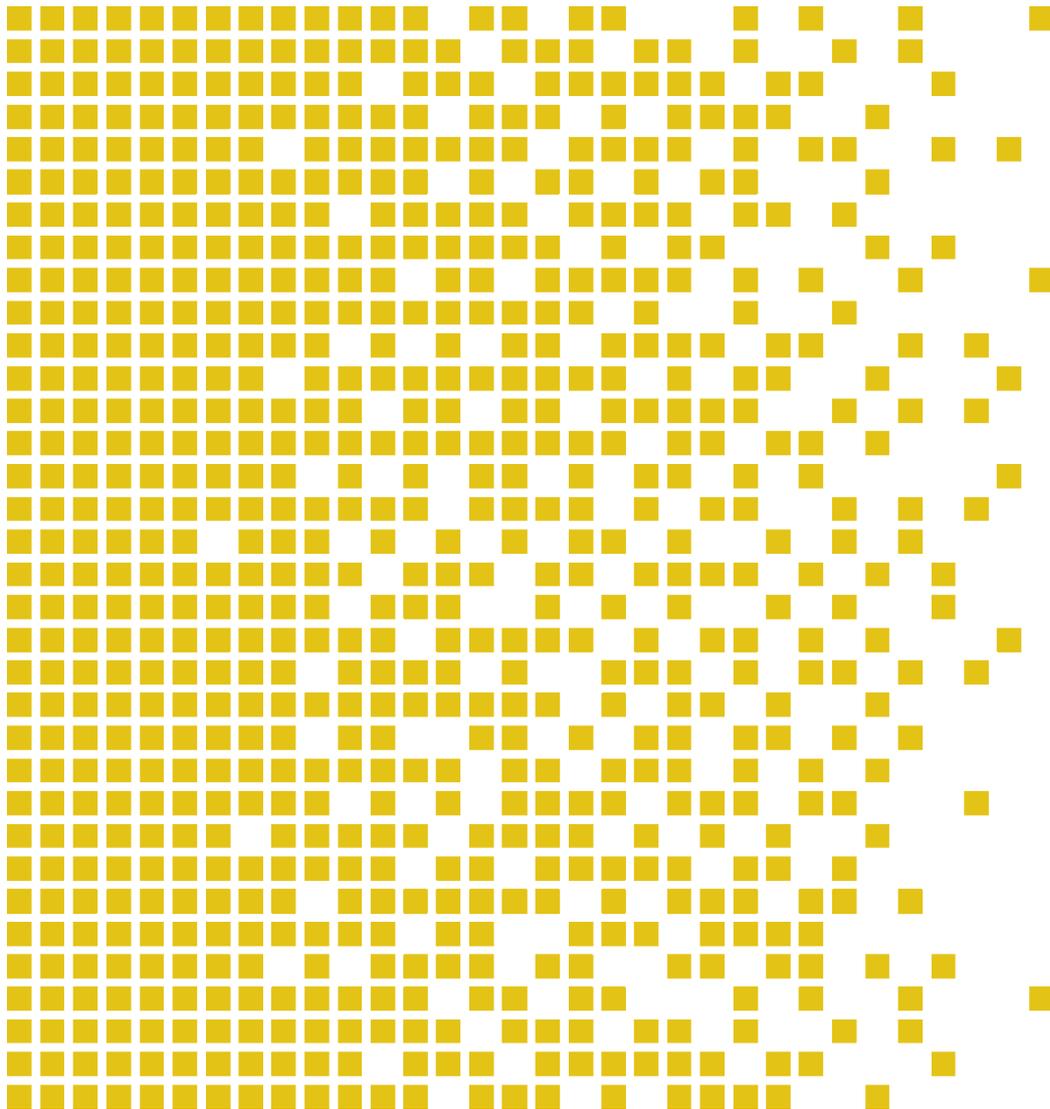
1. Introduction

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 September 24th 2011. 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 TRAA 6.2.7

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 TRAA IAR Ed. 6.2.1, 23 September 2011

[6] Operator Terminal Adapter Security Target, 3AQ 24863 AAAA SCZZA Ed. 6.2.4, 19 September 2011.

[7] OTA Firewall Module Test results 3AQ 21539 TRAA PK Ed. 6.2.7, 23 September 2011.

[8] SERTIT-012 MR Maintenance Report, Issue 2.0, 7 November 2011 (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
- removal of not relevant OIDs
- adding new relevant OIDs

Change related to the OTA firewall definition file (Change ID C5220):

SNMP:

- New set of OIDs for Nortel LAN switch.
- New set of OIDs for " Poste de Gestion et de Supervision" (PGS).
- Removed OTA OIDs related to DataEngine.
- Removed OTA OIDs related to Routing.
- Removed IPM OIDs related to Logical Radio Access (LRA).
- Removed IPM OIDs related to Telephone Radio Access (TRA).

TCP:

- Removed MFT-IPM messages related to Coupling, Telephone Radio Access (TRA) and radio management.
- Added Radio Switch (RS) to Radio Switch messages.

UDP:

- Removed unused OTA-OTA messages.
- Added PGS to PGS messages.

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 ACCS v2.3 / IVV-OTA: Baseline TRAA 2.3.1	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)	SNMP: New set of OIDs for Nortel LAN switch New set of OIDs for " Poste de Gestion et de Supervision" (PGS) Removed OTA OIDs related to DataEngine - removed OTA OIDs related to Routing Removed IPM OIDs related to Logical Radio Access (LRA) Removed IPM OIDs related to Telephone Radio Access (TRA) TCP: Removed MFT-IPM messages related to Coupling, Telephone Radio Access (TRA), and radio management. Added Radio Switch (RS) to Radio Switch messages. UDP: Removed unused OTA-OTA messages. Added PGS to PGS messages.

		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.
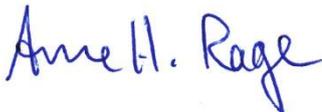
Author	Arne Høye Rage Certifier	
Quality Assurance	Lars Borgos Quality Manager	
Approved	Kjell W. Bergan Head of SERTIT	
Date approved	7 November 2011	