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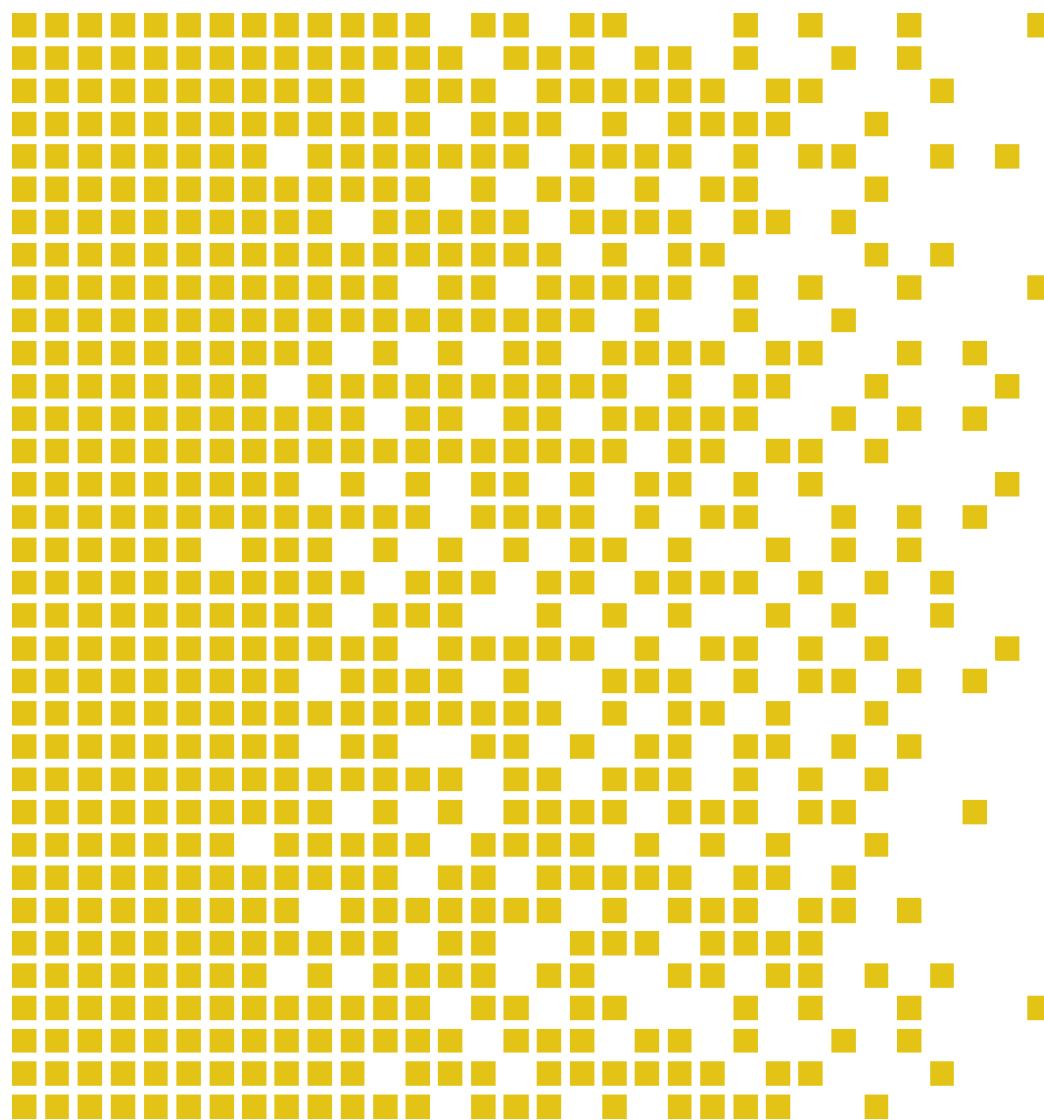
Sertifiseringsmyndigheten for IT-sikkerhet *Norwegian Certification Authority for IT Security*
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SERTIT-125 MR Maintenance Report

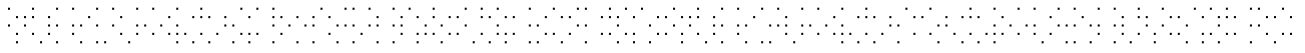
Issue 1.0 03. September 2024

Exp date 03. September 2029

XOmail 22.3.0



MAINTENANCE REPORT - SERTIT STANDARD REPORT TEMPLATE ST 010E VERSION 1.0 12.04.2021





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1 Introduction

The TOE identified in this Maintenance Report was assessed according to the Assurance Continuity Requirements [1] set out by the CCRA and the Impact Analysis Report (IAR) [2] from the Security Developer Analyst at Thales Norway AS. In accordance with those requirements, the IAR [2] describes the changes made to the TOE.

The baseline for this Assurance Continuity Assessment was the certified TOE with Certification Report number SERTIT-125 CR [5], and the belonging Security Target and the Evaluation Technical Report.

The changes in the TOE are analysed [6] by the ITSEF Norconsult AS.

After examining all documents and evidences provided to SERTIT, the overall conclusion is that the changes made to the TOE is categorised as minor. Therefore, Certificate Maintenance is granted.

This Maintenance Report for the XOmail version 22.3.0 is an addendum to the Certification Report [5].



2 Description of Changes

Maintained TOE identification:

Name: XOmail

Identity: 712 27734

Variant: AFAA (Windows)

Version: 22.3.0

The XOmail 22.x.x version branch is subjected to tight configuration control while in a Common Criteria assurance maintenance phase. The process is documented in the XOmail Software Development Plan. The main adaptations are:

- Work Package Managers and Software Engineers are made aware of limitations on allowed changes on the TOE. Both Work Packages and Change and Problem Reports are reviewed prior to starting work, with only required changes being allowed to the TOE on the 22.x.x branch.
- All Change and Problem Reports are inspected and approved by the Software Change and Control board after implementation.
- A designated person from the Code Review Board is responsible for all QA on source code modifications.

The IAR [2] chapter 2 lists the changes to the certified TOE. Each change is identified and clearly and adequately described. This report lists a condensed list of changes suitable for publication. A complete list of the changes relevant to the TOE can be found in the IAR [2]. The IAR [2] also lists changes that are handled according to the ALC_FLR Flaw Remediation process and changes to non-TOE XOmail components:

- XOmail client
- XOmail Web Clients
- XOmail Admin
- Other components

There are no changes to the security objectives for the TOE [4].

2.1 Hardware related changes

There are no hardware related changes.

2.2 Software related changes

New functionality

Category	Description
Address directory management	Address properties and availability for specific users (XR-132, XR-133), improvements to import and conversion from NATO formats (ER-22503)
Audit, logging and observability	Improved visibility of active client sessions and users (XR-103, XR-104) installed software overview (XR-111)
Backup/Restore	High availability and recovery improvements (XR-148, ER-22449, ER-22850)
Configuration	Performance and usability improvements to management (XR-69, XR-99, XR-100, XR-101, XR-105, XR-108, ER-22472, ER-22857) and installation (ER-22891)
End user operations	Improvements to message search functionality (ER-22594)
Message processing and protocol issues	Improved status monitoring (XR-95), usability (XR-98), improved message workflow for tactical/emcon scenarios (ER-22868). STANAG 5066 Edition 4 support (XR-130), improved support for national ACP 127 variations (ER-22474, ER-22555, ER-22559, ER-22583, ER-22609, ER-22639, ER-22640, ER-22641, ER-22805), minor extensions to SMTP Gateway (ER-22692)
Reliability	Improved usability and robustness for Central Archive (XR-109)

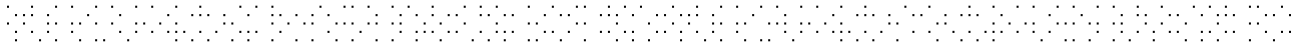


Error corrections and improvements

Category	Description
Authentication	Reduced logon delays in large networks and domains (ER-22623, ER-22852)
Audit, logging and observability	Improved logging for various failure modes (ER-21492, ER-22259, ER-22413)
Backup/Restore	Message export/import failure due to excessive path length (ER-22561, ER-22617), improved fault handling (ER-22635, ER-22648, ER-22680).
Configuration	Various usability related improvements and corrections for Admin Client and configuration files (ER-21468, ER-21527, ER-22191, ER-22415, ER-22558, ER-22578, ER-22048, ER-22165, ER-22605, ER-22606, ER-22634, ER-22715, ER-22864), improved guidance (ER-22427, ER-22450, ER-22655, ER-22657)
Database	Corrections and improved robustness for freetext search index mechanism (ER-21420, ER-22549), simplified troubleshooting and error handling (ER-22196, ER-22239), Central Archive corrections (ER-22406, ER-22607).
Installation	Various minor issues related to upgrades (ER-21611, ER-21619), installation parameters (ER-22485, ER-22512), and guidance (ER-22501, ER-22733, ER-22762)
Message processing and protocol issues	Low level ACP 127 improvements (ER-16344, ER-22402, ER-22428, ER-22429, ER-22436, ER-22466, ER-22524), improved performance (ER-22210), low level error corrections for messaging operations (ER-22417, ER-22465, ER-22473), automated distribution corrections (ER-22542), minor improvements to ACP127 channel handling (ER-22592, ER-22597). Garbled text in message transit log for messages received via SMTP Gateway (ER-22539)
Network error handling	Keep alive for Channel I/O monitoring (ER-22467)
User interface	Improved troubleshooting logging for message processing issues (ER-22192), corrections for message operations (ER-22632) and presentation (ER-22497, ER-22572). Corrections and improved robustness against failures during login (ER-22628, ER-22670). Corrected Unicode compatibility issues towards legacy clients (ER-22373, ER-22376, ER-22493, ER-22502, ER-22522). P_mul processing monitoring (ER-22425)

3 Affected Developer Evidence

The IAR [2] chapter 3 list all of the affected items of the developer evidence for each change in the certified TOE in a structured and clear manner. All items of the developer evidence that has been modified in order to address the developer action elements are identified. The developer has described the required modifications to the affected items of the developer evidence in chapter 4 of the IAR [2].



4 Conclusion

The IAR [2] provided by the developer clearly presented the changes to the certified TOE scope, and analysed impacts to all the assurance classes following the requirements described in [1].

The analysis in the IAR [2] is intended to demonstrate that the cumulative impact on assurance is minor.

The TOE's security functionality described by the Security Function Requirements specified in the ST [4] are not affected by these changes.

The nature of the changes to the TOE is classified as minor changes in the IAR [2], and SERTIT finds to support this conclusion.

SERTIT therefore concludes that the XOmail version 22.3.0 is appropriate for Certificate Maintenance.

4.1 Recommendations

The maintained TOE should be used with a number of environmental considerations as outlined in the Security Target [4].

Further, the maintained TOE should be used in accordance with the supporting guidance documentation.

Certificate Maintenance	Øystein Hole
Date approved	03. Sept 2024

5 References

- [1] CCRA (2024), Assurance Continuity: CCRA Requirements, version 3.1, 29.02.2024, CCRA.
- [2] Thales Norway AS (2024), Impact Analysis Report for XOmail 21.3.0 SERTIT-125, 739 20850, revision 2, 13.06.2024, Thales Norway AS.
- [3] Thales Norway AS (2024), XOmail 22 Security Target, 739 20802 AAAA SC, Edition 6, 21.05.2024, Thales Norway AS.
- [4] Thales Norway AS (2024), XOmail 22 Security Target, 739 20802 SC, Edition 6-public, 21.05.2024, Thales Norway AS.
- [5] SERTIT-125 CR Certification Report, Issue 1.1, 20 June 2023, SERTIT.
- [6] Norconsult AS (2024), Evaluation of Impact Analysis Report for XOmail 22.3.0, issue 1.0, 16.06.2024, Norconsult AS.