

1 Purpose

This document describes the release notes for each version of **TOS-XM** used on the **TacticID-1064 ST**.

Release Notes:

- [TOS XM 2.1.2108](#)
- [TOS XM 2.1.2080](#)
- [TOS XM 2.1.2063](#)

When updating the TOS XM and BSP, **always update BSP then update TOS-XM**

If BSP is updated after installing TOS-XM, reinstall TOS-XM to ensure a proper install.

2 TOS-XM 2.1.2108

Release Date: 2025.08.08

TOS-XM: 2.1.2108

BSP: 2.0.74A

Update BSP to 2.0.74A before updating TOS-XM to 2.1.2108

2.1 New Features

- Languages added:
 - Romanian
 - Ukrainian
 - Portuguese (Português)
- Reports updated to include more information:
 - Operating procedure
 - Raman range
 - Laser power
 - Integration time
 - Attachment type
 - Attachment serial number
- Blue and gray added to Library sample background colors.
- Laser power shortcut on scan screen updated to include "+" and "-" buttons.
- Library entries can be searched by CAS number.
- User-made library signatures can have different names when the device changes language. Details:
 - After changing device language, the name of signatures in user libraries will not reset to "NewSig1".
 - Renaming signatures in user libraries will save for the currently set language on the device.

Example:

1. The device is set to English. "NewSig1" is added to a User library. "NewSig1" is renamed to "sucrose".
2. The device is set to German. The signature will appear as "sucrose". "sucrose" is renamed to "saccharose".
3. The device is then set to Spanish, the signature's name will appear as "sucrose". The signature is renamed to "sacarosa".
4. The device is set to German again. The signature will appear as "saccharose".
5. The device is set to Spanish. The signature will appear as "sacarosa".

Improvements

- Performance Validation test result screen reformatted to save space.
- Warning Message added to History to inform users that performance records cannot be deleted. There is no change in functionality.
- Message added for why scan functionality is disabled in the Performance Validation test. The reasons the Performance Validation test is disabled include expired Polystyrene Attachment, Polystyrene Attachment not installed, and Polystyrene SN does not match.
- Password security improved. There is no change in user experience.
- Performance Validation icon on home page no longer blinks when the system is properly validated.
- Warning message added after login if the account's password is set to expire in 7 days or sooner.
- Additional error codes added to identify application initialization failures.

Fixed Bugs

- Fixed battery level on device display to be more accurate
- Fixed bug causing barcode camera to display sideways.
- Launching the Android camera app by double tapping the power button is disabled.
- Fixed bug causing TOS-XM to crash from the update screen when the USB was removed.
- Fixed Performance Mandatory Validation bug that required a Performance Test before every scan.
- Changing language of device will not set all signature names to default (example "NewSig1, NewSig2"). The names will default to the name of the signature in the language where the signature was created.
- Fix bug causing TOS to restart when connecting to some Wi-Fi networks.
- Fixed bug causing user defined input fields and location information not saving to reports.
- Fixed bug causing Smart Attachments to not always be recognized.
- Fixed visual bugs when editing GHS and NFPA information.
- Fixed bug in history when deleting performance scans.

2.4 Known Issues

- n/a.

3 TOS-XM 2.1.2080

Release Date: 2025.02.21

TOS-XM: 2.1.2080

BSP: 2.0.71A

Update BSP to 2.0.71A before updating TOS-XM to 2.1.2080

3.1 New Features

- Added Traditional Chinese (Taiwan) language support
- Added Czech language support
- Added *metrohm* service account
- GHS and NFPA information is editable in user libraries
- Added support for MobileDetect App

3.2 Improvements

- Reduced the delay when switching languages
- Added message after a library is updated to restart TOS-XM. Failure to restart can lead to device freezing after viewing this new library
- Improved the connection between the device and TID21. The device can be reconnected to TID21 after being disconnected
- Added Performance Validation prompt at each time TOS-XM starts instead of after every login

3.3 Fixed Bugs

- Fixed the issue where the battery level did not update if a battery is hot-swapped.
- Home button returns the user from HG3 to where they opened it from in TOS-XM.
- T Library and Container Library now have different icons to differentiate library type.
- Fixed the bug on the data transfer screen if the USB is disconnected, the screen would show "Wi-Fi is disconnected".
- Fixed the bug that rebooting the device after failed login attempts clears the lockout timer.
- GUID in ID Reports for both in TOS-XM and TID21 are consistent.

- Fixed the issue if searching and viewing a chemical in a Library, pressing the back button shows an empty library.
- Fixed the issue where the Save and Cancel buttons appeared in licensed libraries.
- Fixed the issue if the Android location service and Wi-fi are off, but location is enabled in TOS-XM, the scan never completes.
- Fixed the issue if the device is idle for more than 15 mins or after a software update, the menu structure will occasionally change.
- Fixed the issue where backup would fail if the backup folder on the SD card was not found.
- Fixed the issue where the state of the HazmasterG3 toggle was not saved between power cycle.
- Fixed the issue where a user may accidentally refuse HazmasterG3 permissions and block the app.
- Fixed the bug where the mixture button would not appear despite the HQI being less than the mixture threshold setting.
- Fixed the bug where the Service account's Export Service data function was not working properly.
- Fixed the bug causing Smart Attachment not to be recognized.
- Fixed bug causing app to restart after selecting the home button.
- Fixed bug causing the software to malfunction when a user changes the library selection and a different user logs in.
- Fixed bug causing container library samples to not be deleted nor reset.

3.4 Known Issues

Topic	Description
Scan history	In History, if All scans are selected and the user presses the delete button on screen, the message "Performance related scans cannot be deleted" appears. None of the selected scans are deleted. Then, when scrolling up and down the sample list, the record selection has changed
Visual bugs	Some visual bugs when editing GHS and NFPA information
Report	User defined field inputs and location information are not saved to report.
Smart attachment	Smart attachments may not recognize everytime. Workaround: remove then reattach the attachment.

Note: Know Issue "Wi-Fi" from 2.1.2063 was removed due to being an issue with the Wi-Fi network itself.

If the warning appears for the certificate issue, press the button with three dots in the top right corner, then chose to use the network as is and the device will connect without having to disconnect and reconnect.

4 TOS-XM 2.1.2063, Inital Version

Release Date: 2024.12.04

TOS-XM: 2.1.2063

BSP: 2.0.66A

4.1 New Features

- Supports new generation product of TacticID-1064 ST.

4.2 Improvements

- No improvements, initial release.

4.3 Fixed Bugs

- No fixed bugs, initial release.

4.4 Known Issues

Topic	Description
Languages	Switching the language may take a while. User can click menu to update changes or try changing the language again.
Home button	App may re-start automatically after pressing Home button.
Battery display	After battery exchange, the device may not update battery per centage at top of display. This behavior can occur more often when plugged into the USB-C port.
Connecting to Wi-Fi	Connecting the device to some Wi-Fi network may require certifi cate which will cause app restart.
Smart attachment	Smart attachments may not recognize everytime. Workaround: remove then reattach the attachment.
Report	User defined field inputs and location information are not saved to report.