

November 2023

Spacelabs Healthcare produces clinically beneficial, cost-effective monitoring and clinical information systems. As part of our commitment to the continual development of our product line, we have released the latest version of the product listed below. This bulletin is designed to inform you of the new features or enhancements. Thank you for your continued support.

### Update specifications

Updated System Components	SafeNSound 96180
Software Version	5.9.0

### New features or enhancements

SafeNSound™ software version 5.9.0 is a release which includes new features, such as ST caliper measurements, temporary location notifications, and excel download option, as well as minor bug fixes.

SafeNSound software version 5.9.0 supports XprezzNet™ 2.0.1+ (96190) and requires that you upgrade to XprezzNet v2.0.1+ before completing the upgrade process of SafeNSound.

A 1-hour downtime is required for this update, however this downtime could be extended significantly based on the number of XprezzNet Services your organization uses. Users are forced out and required to log back into SafeNSound once the update has been completed. For enterprise customers, please email [devops@spacelabs.com](mailto:devops@spacelabs.com) to request to be updated to this latest version.

#### Notes:

- No data can flow if there is a mismatch between SafeNSound and XprezzNet.
- It is also recommended that you configure the new servers and have your Spacelabs EIM install and setup XprezzNet 2.0.1+ (96190) before moving to SafeNSound 5.9.0. This preparation will reduce your downtime of data streaming into SafeNSound (SNS).
- XprezzNet 2.0.1 Product Update Bulletin (078-0729-10) lists all the new features of XprezzNet.

### New Features

- Excel Download Option – You can select between csv or excel file downloads in the following areas: Archive, Daily Rounding Report, Device Tracking Report, Insight Summary Report, Quick Message Report, Voice Call Report, Device Usage Report, All Alarm Reports, All Staffing Reports, All Workflow Reports.
- New ICSC Logic Option - In the SNS App Store Settings, the implemented facility level dropdown allows you the option to choose between the logic operators of **AND** or **OR**.
- Unlimited PR & QRS Measurements - Similar to unlimited QT & RR measurements in 5.3.0, the same logic has been implemented for PR & QRS caliper measurements on Saved Events, with the ability to remove all caliper measurements using the X button.

- ST Caliper Measurements - Across multi-lead Saved Events, you can measure ST segments.
- Temporary Location Notification - When a patient's temporary location assignment is updated, a notification is sent to the monitor tech for awareness.
- Edit Saved Events - In addition to rhythm interpretations while in pending state, you can edit Saved Event measurements.

## Other changes and updates

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### Changes

- Facility Dropdown – In the facility/units dropdown, the initial load of reports now displays, **Loading Selection**.
- Staffing Efficiency - In order to improve speed of Staffing page, the following was implemented:
  - Removed inactive/pending users from staffing dropdown.
  - Removed duplicate database look up for patient.
  - Converted bed icons to LitVirtualizer component.
- Bridge App/Server Events - To improve bridge and app server restarts, Datadog profiling was removed.
- HL7/Data Export Service - In order to further stabilize ActiveMQ service, single cluster per enterprise customer and single cluster for all of community were implemented.
- Rhythm Interpretation Ordering - The RI orders display the most recent first on Dashboard, Overview tab, and Daily Rounding Report, with ability to sort column alphabetically.
- Removed RI from Dashboard - Ability to hover over previously added RI on Dashboard and remove with the click of X, logging the event in Patient Timeline are no longer on the Dashboard.
- Alarms & Tasks Lazy Loading - To improve loading speed utilizing LitElement, lazy loading capabilities on Alarm & Tasks area was implemented.
- Rhythm Interpretation Selection - Resolved bug involving past/current selection of RI in Saved Event resulting in removal from the RI list, preventing re-selection.
- Corrected Call Waiting Tone - Removed call ringing for users on active calls and implemented call waiting tone instead.
- Pacer Spikes Uniformity - Matched pacer spike sizing in LiveView to correspond with Retrospective waveforms.
- Manual Phone Numbers - Phone numbers can be manually typed into the dropdown field. The manually typed numbers are saved and temporarily stored to the database.
- Reload Config Button - Resolved defect with super admin Reload Config button not rendering when clicked.

## Supported versions

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- Web client version 8.0.0+
- Mobile version 5.0+

## Rollback Plan

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SafeNSound v5.9.0 would be restored to SafeNSound v5.4.0 and XprezzNet v2.0.1+ would be restored to XprezzNet v1.3.6. The SafeNSound Mobile software v5.0 would be rolled back to the Mobile software v3.2.1, which is the version currently published to the App Store.

## Downtime

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