

# ZAMS Release Notes

Version 21.4, January 2022

## Contents

Introduction .....	1
Version scheme .....	3
Target Environments.....	3
Change Highlights (v21.4) .....	4
AMS Server (v3.0.11).....	4
Cabinet Kiosk AMS (Core v1.0.26 and UI v1.0.8) .....	8
Device AMS (v2.1.72) .....	10
Known Constraints and Workarounds.....	10
Important Links .....	10
Addendum – Previous Release History (v21.3).....	11
Change Highlights (v21.3.0) .....	11
Documentation.....	11
AMS Server (v3.0.5).....	11
Cabinet Kiosk AMS (Core v1.0.7 and UI v1.0.2) .....	13
Device AMS (v2.1.55) .....	13
Document Revision History .....	13

## Introduction

This document outlines the new features and changes since last release Zebra Access Management System (ZAMS) software.

ZAMS software is comprised of 3 elements that are recommended to be installed at the same time. Although various combinations of the software elements may work without issue, release validation and support is limited to the underlying version configurations noted.

ZAMS Software elements contain:

1. **Mobile Device application and services:** provides the lock screen UI and services for the android based mobile devices.
2. **Kiosk application and services:** provides on-site device management, UI and provides information to cloud based console. The Kiosk application is designed for Zebra’s CC6000 device.
3. **Cloud resident console:** Web portal that provides various administration level tasks and reports. The server access location is <https://zams.zebra.com/>

The following is an explanation of the files distributed in this release.

ZAMS SW release components

Item	Area	Description
AMS Server (URL) <a href="https://zams.zebra.com/">https://zams.zebra.com/</a>	Portal	ZAMS (cloud) Portal
AMS Core APK	Kiosk	Core services APK for CC6000 to operate AMS
AMS UI APK	Kiosk	UI APK for CC6000 user interface
AMS Device APK	Mobile Device	APK for mobile devices in AMS application
dwprofile_AmsDevice.db	Mobile Device	DataWedge profile for AMS application device registration
dwprofile_amsPin.db	Mobile Device	DataWedge profile for AMS application PIN scanning
ZamsAutoInstall.zip	Kiosk and Mobile Device	Supporting files and documentation used to automate installation or deploy via EMM and set permissions that may not exposed via the OS UI.

## Version scheme

As a part of continual development and maintenance, it is highly recommended scheduled installation updates are planned for. Currently AMS releases major updates on a quarterly basis.

The versioning scheme for ZAMS software documentation is as follows:

**<yy>.<pi>.<rel#> <suffixes> where**

- **<yy>** is the 2-digit year of release
- **<pi>** is the major product increment number of the release. Typically, there are 4 major incremental releases to correspond to 4 quarterly scheduled releases.
- **<rel#>** is the incremental release number since last product increment. This number is updated to note a change to collection of release elements.
- **<suffixes>** are optional text characters used to denote a branched set of changes from a baseline release. It is typically used to denote hot fixes or custom changes of a release

## Target Environments

ZAMS supports the following target environments

### Mobile Devices

- All Zebra GMS and Non-GMS Android M devices and later
- Non-Zebra Android devices support for Android M and later but does not include Zebra Value Add (ZVA) compatibility such as MX, DataWedge, StageNow, etc. This generally means the following may not be supported if the desired ZVA equivalent feature is not specifically integrated into the ZAMS application on a case by case basis.
  - Vendor specific scanning or API support
  - OEM specific OS restrictions (e.g., serial number and permissions setting access)
- Exceptions
  - Mobile devices with external power packs. Support on a case-by-case basis.

### Kiosk

- CC6000 (Android O+)

### Portal UI

- Chrome desktop version 9 or later

## Change Highlights (v21.4)

This is a regularly scheduled Product Increment (PI) release.

### Updates in this release

- AMS Server (v3.0.11)
- Kiosk AMS (Core v1.0.26 and UI v1.0.8)
- Device AMS (v2.1.72)

## AMS Server (v3.0.11)

1. Added last user who used a missing device to the dashboard  
Keep track of the last user that logged into a device and show that user's information in the portal dashboard when you press the "View" button under Missing.
2. The time stamp format now follows the same pattern 24Hr on portal and Cabinet  
e.g., **23-Jan-2021 23:50:56**
3. Introduction of a device alias (i.e. a friendly name) that be set via portal UI or a CSV file import.
  - To add/change the Alias go to Administration / Cabinet-Device / Edit
  - Alias should be Unique at company Level

Alias (Device friendly name) to be displayed on Dashboard. Cannot be set or changed on the device by user.

### UI sample Screen

## Create or edit a Cabinet Device

ID

4671

Device Name

73476910

Cab. Id/Serial

216/73476910

Alias

Johnstone

Cancel

Save

### Steps to use CSV import set device alias (friendly name )

- 1) This CSV Bulk import option has been added to Import Alias ( friendly name ) CSV file via the Portal. To access this option the Company-Admin has to go to **Administration / Cabinet Device**.
- 2) The page will load and this button will be displayed on top right corner of page

 Import Devices

- 3) Click on the button and a new page will load. This page displays all the details regarding Bulk Import Alias CSV file import. All the requirements are mentioned on this page including the template and the Upload Link.

\*Note: There is a check box placed underneath choose file. At the time of selecting CSV file to upload the

Choose File

No file chosen

Import

Input file has header - Please ignore first line

option states:

- If the check box is ticked – The first row of the CSV will be ignored being treated as header.
- If the check box is unticked – The first row of the CSV will be processed as well.
- Alias should be Unique at company Level

- 4) After choosing the right file the user has to click import. The file will be processed and message will be displayed

Operation completed : [Download Report](#).

A report can be downloaded to check of any failures.

#### 4. Device historical Report

Extra columns were added to incorporate the requirements.

Accessible via **Reports / Missing Devices**

Missing Devices Report

PureLogics    Quality Assurance    wiztxy    Show

List of Missing devices:							
#	Device Name	Cab. Id/Serial	Alias	Last Status Update	User Name	Status Reason	Last User
33102	170625225D0104	862/170625225D0104	jklkjklj	04-Nov-2021 18:56:01		NOT_RETURNED	
33105	18083522500916	862/18083522500916		15-Oct-2021 20:40:57		COMMUNICATION_LOST	
33422	20342522504734	862/20342522504734	Javaid	04-Nov-2021 20:10:51		NOT_RETURNED	
79899	20323522503223	862/20323522503223	hamza device	14-Dec-2021 16:55:42		COMMUNICATION_LOST	

5. Portal drop downs list selection on the Dashboard will remain stay selected.

#### 6. Search for device by Alias / Device Name

Option can be accessed via **Administration \ Cabinet Device**

+ 
  + 
  +


**Cabinet Devices**

7. Revised behaviour of home button while Lock screen is ON ( ZAMS is engaged )

Previously on ZAMS if home button is pressed while Lock screen is enabled the ZAMS Lock screen is minimized, and it never comes back on.

Changes have been implemented so If ZAMS lock screen is minimized by pressing home button then the ZAMS lock screen should reengage (pop-up) automatically after a configurable time 30, 60, 90 or 120 seconds.


The timing is configurable at site level. There is also a configurable option if “turned off” option selected the screen does not pop back on.

 App Switch Back Interval  
 120 Seconds

App Login On Reboot  
 Alarm Timeout (Minute) Inherited?  
 2

Enable Bluetooth Proximity Inherited?  
 Shift Duration (Minute) Inherited?  
 720

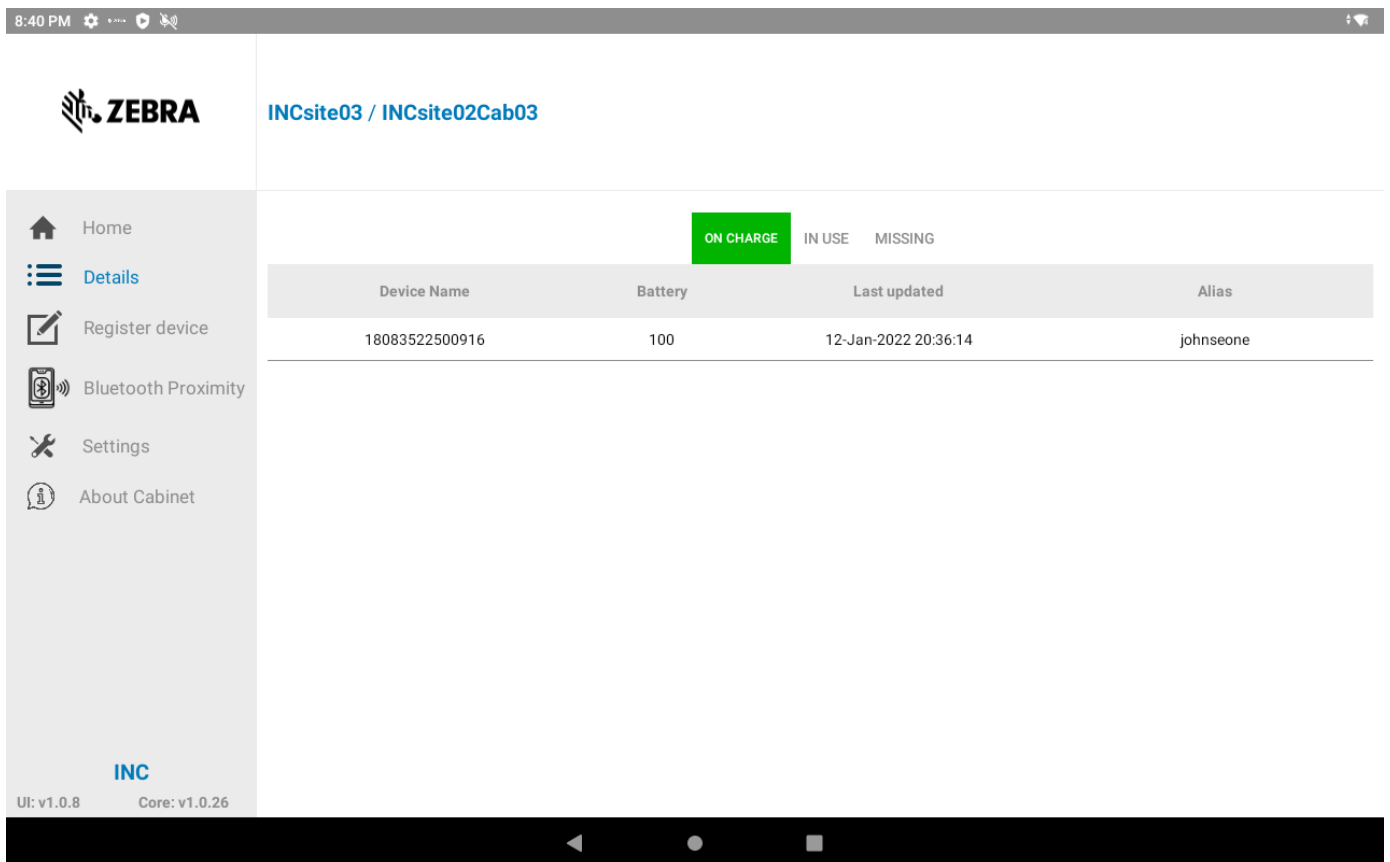
8. Require Login after reboot or battery swap even if device does not go back to charger for AMS Device.
  - a. Configurable setting at site/location level
  - b. To change the setting go to Administration / Site / Edit
  - c. The option : **App Login On Reboot** should be checked to enable Login after reboot.

  App Login On Reboot  
 Alarm Timeout (Minute) Inherited?  
 2

Enable Bluetooth Proximity Inherited?  
 Shift Duration (Minute) Inherited?  
 720

## Cabinet Kiosk AMS (Core v1.0.26 and UI v1.0.8)

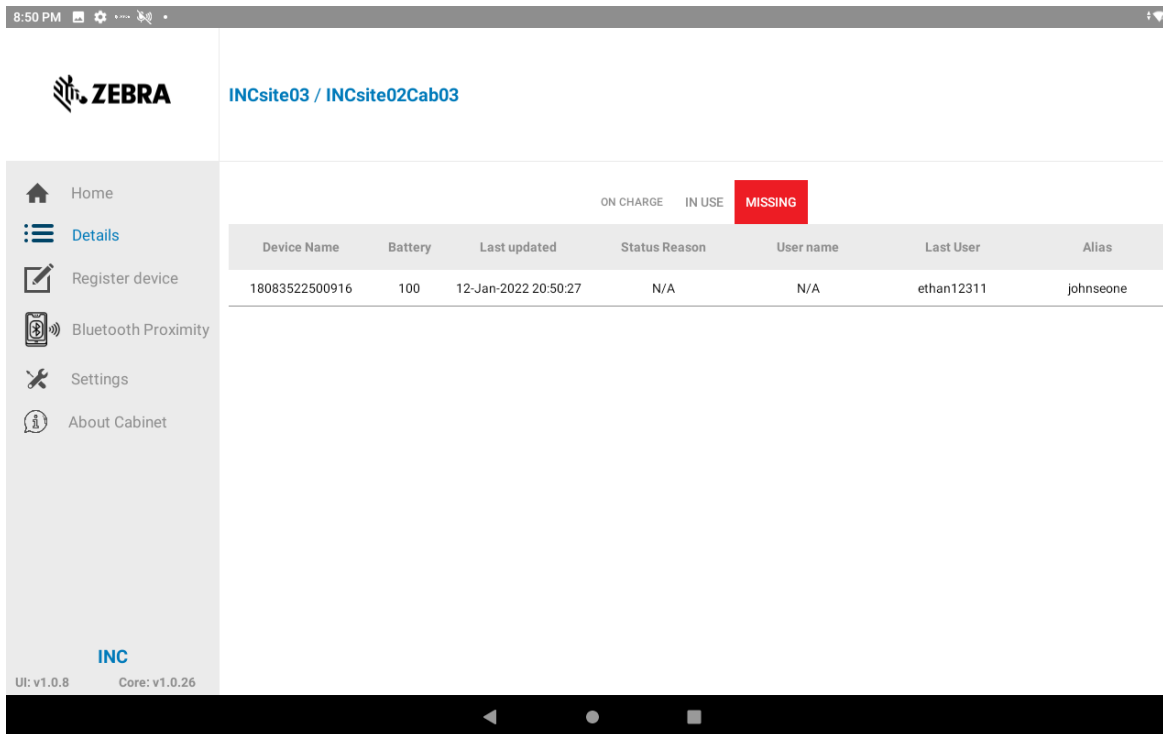
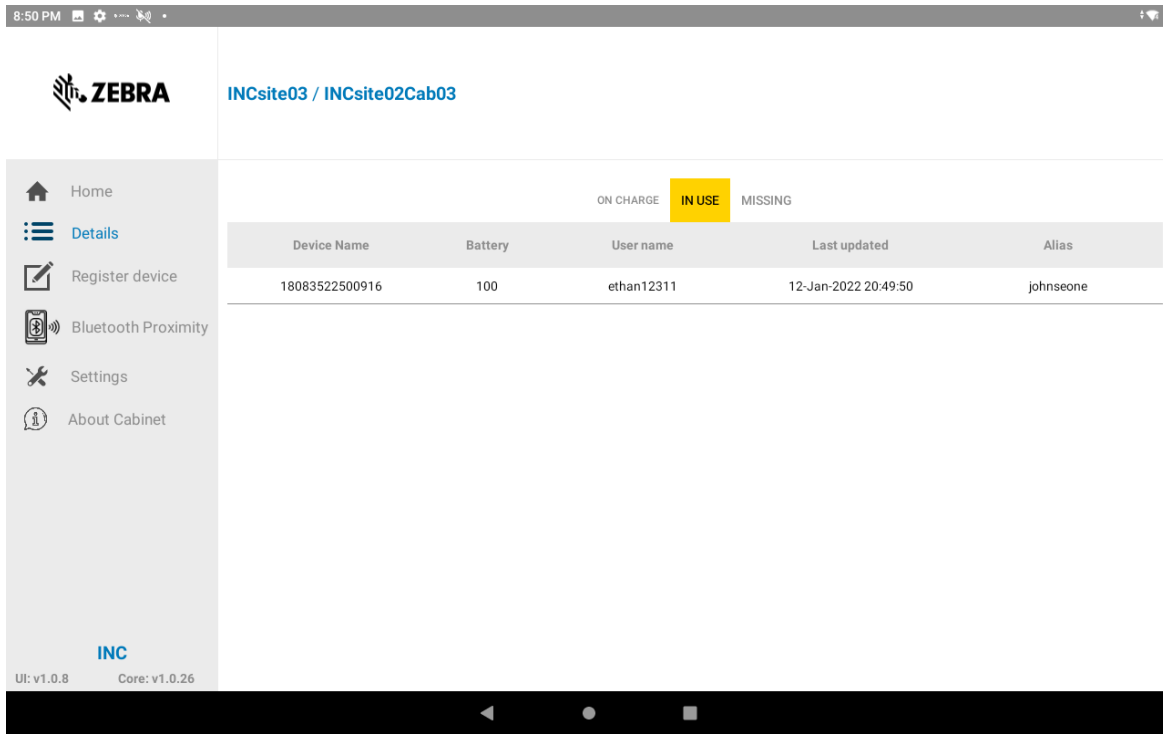
1. Add last user who used a missing device to the Kiosk  
Keep track of the last user that logged into a device and show that user's information show on the CC6000 in the Missing tab after pressing "Details"
2. The time stamp format follows the same pattern 24Hr on portal and Cabinet e.g., **23-Jan-2021 23:50:56**
3. Alias (Display device friendly name) is displayed on Kiok. This cannot be set or changed on the device by user.



The screenshot displays the ZEBRA Cabinet Kiosk AMS interface. At the top, the status bar shows the time as 8:40 PM. The ZEBRA logo is in the top left, and the current location is identified as INCsite03 / INCsite02Cab03. A navigation menu on the left includes Home, Details, Register device, Bluetooth Proximity, Settings, and About Cabinet. The main content area features a table with columns for Device Name, Battery, Last updated, and Alias. A green 'ON CHARGE' button is positioned above the table. The table contains one row of data for device 18083522500916, which is currently on charge with 100% battery, last updated on 12-Jan-2022 at 20:36:14, and has the alias 'johnseone'. The bottom of the screen shows the version information: UI: v1.0.8 and Core: v1.0.26.

Device Name	Battery	Last updated	Alias
18083522500916	100	12-Jan-2022 20:36:14	johnseone





4. The size of the sidebar for the Kiosk has been reduced horizontally to incorporate new columns.

## Device AMS (v2.1.72)

### New Feature

1. Require Login after reboot or battery swap even if device does not go back to charger
  - Configurable setting at site/location level in the portal
2. Implement new portal setting (see above) on revised behaviour of home button while Lock screen is ON ( ZAMS is engaged )
3. Show device alias name set in new portal setting (see above). This cannot be set or changed on the device by user.

### Known Constraints and Workarounds

1. BT proximity range could be seen as inconsistent due to several factors including device limitations, BLE poll rates and RF environmental influences. Devices need to be placed within environment specific acceptable ranges to obtain consistency. It is recommended to verify proximity consistency during installation.
2. Support of external chargers requires the use of BT proximity to avoid untended lockout when device is place into the external charger.
3. TC51 UV Trace integration on Android M is not supported. UV Trace is targeted for Android O and later
4. Using older versions of the APK(s) will not support the new user admin role types added to the v3.0.7 of the portal.
5. Alias / friendly name will only work after updating to the latest set of APKs because only using the latest Sever 3.0.10 will not support the Alias functionality if APKs are not updated.
6. It is Recommended to set Device Alias from the Portal only after installing/updating AMS Core APK.
7. Alias is removed from the Kiosk if AMS Device is installed after uninstalling.

### Important Links

- [Zebra Techdocs](#) - Zebra community support
- [Developer Tools](#) - Zebra Developer support
- [Partner Portal](#) – Zebra Partner news and other support
- [Intelligent Cabinet Support and downloads](#) – Zebra support and downloads

## Addendum – Previous Release History (v21.3)

### Change Highlights (v21.3.0)

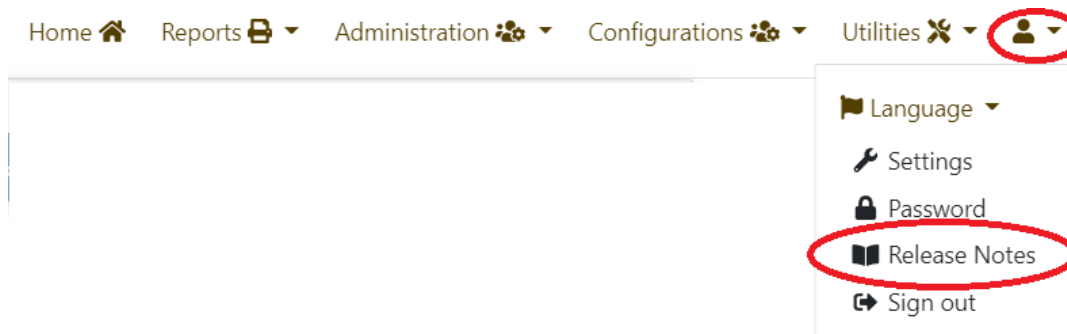
This is a regularly scheduled Product Increment (PI) release.

#### Updates in this release

- Documentation
- AMS Server (change to v3.0.5 )
- Kiosk AMS (Core v1.0.7 and UI v1.0.2)
- Device AMS (v2.1.55)

### Documentation

- Server release notes and change history is now posted on the Server itself. Accessible via menu options below.



### AMS Server (v3.0.5)

#### New Features

1. Home page now supports a notification banner to let users know of maintenance related changes (e.g., planned updates or recent updates).
2. New Security Role “Site Admin” has been added to the portal with the following privileges
  - A Site\_Admin will have valid credentials to access to the ZAMS Portal.
  - Site Admin will have limited role in terms of accessing the relevant company data. Site Admin will have access to the following:
    - A Site Admin will have access to the Dashboard where he/she can only view stats of his/her site and cabinets registered to that site.

- Site Admin can Register Kiosk with valid credentials.
- Site Admin also has Device User Login Credentials in addition to being a Site Admin. Therefore, additional user fields are needed when creating the user.
- Site Admin can create Notification Configuration (Email Alerts) for the relevant site.
- Site Admin can generate reports for his particular site only.
- Site Admin have Read only access to the following:
  - Admin Users (User Management)
  - Admin Company – Read Only.
- Site Admin has access at site level for the following:
  - Administration > Site Authority to Create and Edit a site.
  - Site Admin has authority to create new cabinets. View and Edit access for Corresponding Cabinet/s for the site.
  - Cabinet Devices for the site.
  - generate Master QR code from Utilities Menu if needed.

### 3. New Security Role “Company User“ has been added.

- A Company User will have valid credentials to access to the ZAMS Portal.
- A Company User full access to generate and export Reports in addition to having access to generate Master QR code.
- A Company User will have Read Only access to the following:
  - Dashboard
  - Administration > User Management
  - Administration > Site
  - Administration > Cabinet
  - Administration > Cabinet Device

### 4. Export Historical Report to CSV

Historical Reports can now be exported to CSV format in addition to PDF format. As stated above Company Admin and Company User will be able to generate and Export Historical reports to CSV in addition to PDF format. On contrary Site Admin will be able to generate and Export Historical Reports only for the relevant Site.

### 5. Bulk User Export

A Button with label “Export All Users” has been introduced under Administration > User Management. Just by click of a button all the existing users of the company can be exported to a CSV file using this newly introduced feature.

### 6. Bulk Delete Users

This new feature allows the Company Admin to delete Multiple User by selecting a check box which is placed to the has been added to the left side of the Username under the list Administration > User Management. The Company Admin can either select Multiple users from the list of user displayed and press delete to perform the function or select all user visible on the screen is also available if the Company Admin intends to delete all users visible on the screen.

## Bugs Fixed

- Corrected a Status Mismatch issue. If the cabinet was registered and later synced with later APKs without performing a full uninstall and re-install of the APKs, there was status mismatch.

## Cabinet Kiosk AMS (Core v1.0.7 and UI v1.0.2)

See previous release history section in this document for changes made from last posted release.

## New Feature

The Kiosk will accept credentials of Site Admin in addition to the credentials of Company Admin at the time of setting up a Cabinet.

- The Site Admin can only setup a Cabinet which he/she is authorized for a particular site.

## Device AMS (v2.1.55)

See previous release history section in this document for changes made from last posted release.

## Changes

1. ZAMS will now log off the user after 10 seconds of being placed in the cradle. Previously it was 1 minute
2. Brightness is set to max while unlocking the cradle even when adaptive brightness is enabled. Brightness setting is restored after the unlock.
3. Moved position of cradle lock flash pattern shown on the UI to extend vertically downward by about 5mm to cover more of the screen when it appears.

## Document Revision History

Rev	Description	Date
3.0	Feature Release v3.0 (PI21.1)	Apr 2021

3.0.1	Correction Release V3.0.1 Fix to Background battery update	May 2021
21.2.0	Scheduled posted release (PI21.2)	Aug 2021
21.2.1	Replaced DW profile for PIN scanning. Original needed a second activity added to work with cradle locks.	Sep 2021
21.3	Scheduled posted release (PI21.3)	Nov 2021
21.4	Scheduled posted release (PI21.4)	Jan 2022