



What's New
Controller Interface Service
V2.17.10.0



Workforce Management Solutions
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This document is a listing of the changes made to the Controller Interface service. Please take careful notice of the items highlighted in yellow.

IMPORTANT:

Always use versions from the same suite. V2.17.10.0 There is an important fix in the CI where finger thresholds were being reset to 1 on terminal updates.

V2.16.10.6 must be run on sites that have a Sagem Engine running

V2.16.10.5 Controller Interface must be run with V2.16.10.4 of Xtime900.

Always ensure to have run get upgrade queries for database changes before running the Controller interface.

Ensure that Get Upgrade queries V2.16.06.4 has been run before using Controller Interface V2.16.06.4. Also ensure that Firmware V7.27 is used for the Shift cycle longer than 365 days.

Ensure that Get Upgrade queries V2.16.06.0 has been run before using Controller Interface V2.16.06.0.

Ensure that Get Upgrade queries V2.16.01.10 has been run when using Controller Interface V2.16.01.10.
(Client specific development)

Ensure that Get Upgrade queries V2.16.01.0 has been run when using Controller Interface V2.16.01.0.

V2.17.10.0

49490:184643 2017-10 Major release

47608:176912 Exclude administrator from handheld used build

This relates to the hand held tag scanner for the weighbridge project and does not affect the normal functioning of the Controller Interface

V2.17.07.4

38670:189414 Sagem 3rd party version alignment

Sigma units can be linked to an EC3 controller and normal validations done.

V2.17.07.3

49339:184034 Patch Release

49339:186664 Access Group query optimisation

The query that handles the changing clockpoints within an access group has been optimised for better and faster processing.

V2.17.07.2

47608:176912 Weighbridge Release

V2.17.07.1

49339:184034 CI resetting finger thresholds to 1

When terminal updates were sent to EABR or IPB terminals, the CI was resetting the finger threshold to 1 causing false positives.

V2.17.07.0

47714:177223 Major Release version update

V2.17.04.2

30794:160871 Mifare tag code not sent correctly for HHT

The conversion of the tag code was not done correctly causing Mifare tags not to register on the Handheld Terminal

V2.17.04.1

47717:177223 Engine Cache stopping

It was reported that some engine cache threads were stopping and not recovering if there was a loss in connection to the database. This would cause updates to not go through to the controllers on that engine. We have added recovery code to ensure that the thread regains its connection and continues as normal.

V2.17.04.0

46334:172747 Employee and visitor required equipment

An extended option to add required equipment to employees and visitors has been developed. This is done to ensure that the employee or visitor has the required equipment allocated to him.

46333:172297 Visitor Equipment

Visitors have been included in the equipment module

45607:169673 Morpho Face Recognition

Sagem Morpho facial recognition has been added to the XTime Suite

V2.17.01.2

46655:174382 De-Allocate Equip from employees on SAFETYEQUIP table when returned

When the auto return feature is active, the equipment was being deallocated from the EMPEQUIP table by the firmware but the CI was not doing the same on the SAFETYEQUIP table which displays the equipment from the main menu. The result was that the equipment was deallocated in the database, but the XTime screen still showed the equipment as being allocated.

V2.17.01.1

45951:171374 Try Except to prevent engine thread from closing

The engine thread would get shut down by a process and was unable to recover. We have inserted a try except that will trap the problem and move on which will stop the engine thread from stopping.

V2.17.01.0

Major changes have been made in this release for handling modules and licencing due to the introduction of the XTLite and XTElite systems. **DO NOT** run this version if the Dashboard and XTUpgrade are not also V2.17.01.0

2.16.10.6

45788:170772 Selective FP upload removes fingers on Sagem Engine

The development of the selective finger uploads in the CI is done by a delete of fingerprints on all terminals and then an insert to only the terminals where the mst_sq has access. This procedure caused an exception in the Sagem Engine and the deletes were going through but not the inserts. The code has been corrected.

2.16.10.5

41583:169069 Secugen finger removed when Sigma Lite template is deleted

The controller interface has only needed to handle Sagem (FG_DB 0) and Secugen (FG_DB 10) type finger templates. With the inclusion of the new Sigma Lite template (which is stored as FG_DB 1) the Controller Interface erroneously removed fingers from controllers that were not = FG_DB 0 when a Sigma Lite template was deleted. This caused the

Secugen templates to be removed from the controllers. Only a full upload would restore the templates to the controllers again.

This would only affect sites that are running both Secugen and Sagem technologies.

2.16.10.4

41583: Version change only for patch release

2.16.10.3

41583: Added semicolon to CTEs for MSSQL 2008

Some of the queries used in the CI on databases running on SQL 2008 and earlier (not R2) were not compatible and caused some updates not to be sent to the controllers.

2.16.10.0

44040: Parade Categories

Parade categories which functions the same as denied certificate categories have been added. Ensure to have V7.34 controller firmware and V2.16.10.0 XTUpgrade running. Get Upgrade queries must be run to add the categories to the event types.

43872:162278 Semaphore error in the log file

Some queries were not checking for database connection before running. This is now done on all queries.

43311: Selective upload fix on temporary access and housekeeping

With the implementation of the selective uploads, temporary access groups assigned were not sent to the controllers. This has been rectified. We have also added housekeeping which runs at midnight and cleans out all discharged employee fingerprints older than 5 days.

2.16.06.5

43254: Sagem fingerprint uploads on multiple servers

There was a problem with uploading Sagem fingerprints to an EABR when the terminals were set up on a second or higher server. The query was using the controller id instead of the code id and was not finding the terminal. This was not an issue if only one server was configured with many engines and controllers.

2.16.06.4

Patch release version alignment

2.16.06.3

42739:157309 Suspended after breathalisher request allows retest

If a person failed a breathalyser test, his tag was suspended. However, if he returned to the same terminal he could retest and was allowed access if he passed the test. The last transaction field was not being updated on a breathalisher fail or timeout. This has been fixed.

2.16.06.2

31684:157702 Selective Fingerprint Uploads excluding configuration

Selective finger uploads have been implemented in this release. This means that only fingers of tagholders that have access to a clockpoint will be sent to the reader. This access is through the paycat, the department, the gang, the work location via inheritance and manual additions on the employee record. Once the controller interface has been loaded, all controllers need a full upload in order to activate this feature. If the controller interface is rolled back for some reason, all controllers will have to be reloaded again. There are no visible changes, all the development is in the controller interface and database.

IMPORTANT: This was phase 1 and does not take terminal and clockpoint changes into account. So if you change a terminals clockpoint or terminals to controllers full uploads must be done to the readers. If clockpoints are added or removed in access groups, this will update on the readers.

2.16.06.1

42612:156795 Increase days in cycle to accommodate 366 shifts

A shift cycle with 366 shifts will be accommodated in the controller interface and on the controller. It is imperative to **use firmware V7.27** with this controller interface for this feature.

2.16.06.0

42504:156189 Equipment Testing Expansion

We have added a new configurable time period for how long a passed test will be valid before that equipment needs to be tested again. This period will be allocated per equipment type. New parameter to remove the equipment passed flag upon exit on the clock point configured for equipment checking regardless of the test passed expiry duration.

30947:154940 Cater for 255 shifts in a cycle

The controller interface would get stuck if a shift cycle was loaded with more than 255 days. It now processes up to 255 days and ignores the rest and normal operation continues.

2.16.04.2

30794:107971 Motorola Workabout Hand Held Terminal

Controller Interface changes to accommodate the new handheld terminal

40412: Ignore Leave Blocking per WL & Emp access screen

Merged from 2.16.01.10 – The leave validation has been added to the work location and employee settings screens.

40410: Checkpoint and checkpoint validate on clockpoints

Merged from 2.16.01.10 – development for forcing a tagholder to clock at a configured point before he | she is allowed through a second point.

2.16.04.0

41085:149943 Optimisations

- Change cache history from 1 to 3 days back & send earliest update on old requests
- Clear cache after midnight

40829:148921 Batch status entries

A controller server cache will run if there is only 1 company, server and engine.

In the case of multiple engines, the cache runs per engine and not on the server level. We therefore remove cache from controller server updates prep for multiple engines.

40829:150059 Pin Validation terminal setting

We have used the **CODES | CONFIGURATION | SYSTEM PARAMETERS | EMPLOYEE |** Employee Pin Validation and the **CODES | CONFIGURATION | SYSTEM PARAMETERS | GENERAL |** Visitor Pin Validation to control the Pin validation selection on the terminal. This allows for visitors and employees to be configured differently.

So if the system param for employees pin validation is on and the terminal param is set to Pin validation, the employees | contractors will be required to enter a pin and password (where no fingerprints are loaded) or swipe a tag and enter a password. If either one or both of the properties are not enabled, the employee | contractor will be able to gain access with a tag only.

Likewise if the visitor pin validation system param is checked and the terminal param is set to Pin validation, the visitors will be required to enter a pin and password (where no fingerprints are loaded) or swipe a tag and enter a

password. If either one or both of the properties are not enabled, the visitor will be able to gain access with a tag only.

2.16.01.9

Patch Release Version Alignment AAC

2.16.01.2

uControllerServerCommonDb - BuildEmpName Range Check error

2.16.01.1

BuildEmpOverrideSettings Range Check error

uControllerUploader - Moved creation of fdbRead to thread execute instead of on create

2.16.01.0

38566:141595 Ignore shift, level and APB by Work Location

38428:141091 Thread split improvements

35902:142947 Pin Development



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