

Release Notes

Title: Vanderbilt Security Management System 6.4.5 Release

Date: June 2020

Superseded Version: v6.4.2

PREREQUISITES

Read and follow the instructions in this document while installing or upgrading Vanderbilt SMS Version 6.4.5. Failure to do so may result in software malfunction after installing Version 6.4.5.

Note: Vanderbilt strongly recommends backing up the SMS database(s) before performing this upgrade. The Database Maintenance Utility (DatabaseMaintenance.exe) is accessible from the Bin folder and can be used to back up the database(s). If an error occurs during the upgrade, and no backup is available, all the data in the database(s) may be lost.

The SMS v6.4.5 upgrade is fully compatible with SMS version 6.0.0 and higher (*including beta version 5.4.1*). Installations upgrading from a version lower than 6.0.0 (*or from beta version 5.4.0*) should contact Vanderbilt Technical Support for assistance before performing the upgrade.

SMS Web compatible with SMS v6.4.5 is expected to be released 4 – 6 weeks after SMS v6.4.5 release. Existing SMS Web installations will cease to function after upgrade to SMS v6.4.5.

Free disk space on the SMS PC / Server for an upgrade should be at least four times the total size of the SMS database(s). Please contact Vanderbilt Technical Support at techsupport@vanderbiltindustries.com for assistance determining the size of the SMS SQL database(s).

NOTICE

SMS v6.3.x and above require version specific licensing. A v6.4 license is required in order to upgrade to v6.4.x. There is no additional charge for the license update if licensed clients, licensable video cameras and licensable 3rd party devices have not changed.

This document outlines the new modules, enhancements and features that are added to SMS Software v6.4.5. SMS v6.4.5 is designated to work with VRCNX-R and VSRC firmware v6.69V; VRCNX-M and VSRC-M firmware v7.02M and VRCNX-A and VSRC-A firmware v7.41A. SRCNX (Legacy) controllers should be upgraded to firmware v6.58L. While it is possible to utilize the SMS v6.4.5 software with lower firmware versions not all new features will be available. It is recommended that all controllers be updated to the latest firmware version available.

VANDERBILT SMS VERSION INSTALLATION REQUIREMENTS

OPERATING SYSTEM

Vanderbilt SMS v6.4.5 software is compatible with the following operating systems:

- Microsoft Windows 8 or 8.1 (*except Home edition*)
- Microsoft Windows 10 (*except Home edition*)
- Microsoft Windows Server 2012 or 2012 R2 Essentials, Standard or Datacenter Editions
- Microsoft Windows Server 2016 Essentials, Standard or Datacenter Editions
- Microsoft Windows Server 2019 Essentials, Standard or Datacenter Editions

*Windows 7 and Windows Server 2008 and 2008 R2 are not supported
32-bit Operating Systems are not supported*

SQL SERVER

Vanderbilt SMS v6.4.5 software supports the following versions of Microsoft SQL Server:

- SQL Server 2012: Express / Standard / Enterprise SP2 or above
- SQL Server 2014: Express / Standard / Enterprise SP1 or above
- SQL Server 2016: Express / Standard / Enterprise SP1 or above
- SQL Server 2017: Express / Standard / Enterprise

The SMS Install Media Includes 64-bit SQL 2014 Express SP3

UPGRADE

You may install Vanderbilt SMS v6.4.5 upgrade on any of the following SMS Versions:

- v5.4.1 (*limited customer release*)
- v6.0.x
- v6.1.x
- v6.2.x
- v6.3.x
- v6.4.x

WHAT'S NEW?

LICENSING

All SMS v6.4.x installations require a v6.4 Electronic License Key.

ELECTRONIC LICENSE KEY

- SMS requires an Electronic License Key
- All v6.3.x and below Electronic License Keys must be upgraded
- The Electronic License is tied to a specific computer and cannot be transferred
- Easily upgradable when expanding SMS features such as concurrent client workstations in use, V-VMS cameras integrated, Guest Pass Locations, etc.
- New or upgraded v6.4.x installations will include a one-time use, unlimited SMS functionality, 5-day “Installation License”.

THIRD PARTY DEVICE LICENSING

Vanderbilt SMS v6.1.0 and newer requires individual licensing for all non-Vanderbilt devices:

- The Electronic License Key contains the maximum number of 3rd party online devices which may be activated within SMS
- The Electronic License Key contains the maximum number of offline (local decision) devices which may be activated within SMS
- Device licensing is easily upgradeable

ENHANCEMENTS

APPLICATION SECURITY

SMS application security has been enhanced to move Operator authentication from the application requesting authentication (SMS Launcher, SMS client applications) to a “server” component, the new SMS Gatekeeper service (hosted on the SP Service) to comply with application security best practices. The Gatekeeper service, in coordination with the SP Service now controls Operator authentication. Access to the SMS database is blocked prior to authentication. Therefore, certain SMS operations, previously available if the SP was not running or if network conditions prevented a client workstation from communicating with the SP (i.e. Launcher login, application launching for database only operations), will not be available if the SMS workstation cannot communicate to the Gatekeeper and SP. SMS Operator authentication is not performed only at login; SMS is designed to implement changes to Operator permissions dynamically and therefore will re-authenticate continuously during Operator initiated SMS changes to validate permissions.

The default password for the SMS default USR Operator account has been updated to one that meets most common password complexity requirements (see SMS Software Manual).

SMS client applications intended to run prior to SMS Operator login (CIM, Alarm Graphics, Workstation Alarm Monitor, Report Scheduler Service and Universal Triggers) use an SMS SQL administrative account (typically SMSAdmin) instead of an SMS Operator account by design and will authenticate via the Gatekeeper and SP Service but should be run in a secure environment since these applications require SMS database access outside of an SMS Operator

login. Vanderbilt strongly recommends using Operator Alarm Monitors rather than Workstation Alarm Monitors to prevent database access prior to Operator authentication.

SMS Operator password encryption has been strengthened.

The SMS application security changes will possibly break any custom import or export process created on earlier versions of SMS. A careful review of any custom SMS interface processes must occur prior to upgrading to v6.4.5 to prevent an outage of the custom process.

SMS LICENSING

SMS v6.4.x includes new licensing methodology:

- New or upgraded v6.4.x installations will include a one-time use, unlimited SMS functionality, 5-day “Installation License”
- The Field Exchange Utility is no longer required to generate a Locking Code in order to bind the SMS license to the SP Host system or to install the license. Simply forward the “SMS.lic” file located in the BIN folder on the SP host to Vanderbilt along with the Device Inventory Report. The SP will automatically create the file and fingerprint the system on initial startup which will be used to bind the SMS license to the system. Vanderbilt will return the SMS.lic file containing the appropriate licenses for the installation.

UPGRADES

- Support remote database upgrade from SP host system.

VANDERBILT CIM

- Configuration of CIM to controller lost connection polling. Contact Technical Support.

MRO DEFINITION

- Update firmware for VR-1, VRI-2, VRI-16IN and VI-16O attached to Authentic Mercury protocol controllers.

MERCURY CIM (MCIM)

- The mCIM now records Authentic Mercury protocol controller firmware versions in the SMS database on connection.

SYSTEM MANAGER

- Native support for VRI-1S3, VRI-2S3, VI-16INS3 and VI-16OS3 (red) when connected to Authentic Mercury protocol controllers. These peripherals will work when defined as their Series 2 (green) equivalents, but firmware updates require that they be defined correctly.
- Create MROs for updating firmware on creation of VRI-1S3, VRI-2S3, VI-16INS3 and VI-16OS3 attached to Authentic Mercury protocol controllers.

ASSA ABLOY IP-ENABLED LOCKS

- SMS v6.4.5 includes a DSR Bridge Service compatible with Assa Abloy DSR v8.0.11.

ASSA ABLOY APERIO LOCKS

- SMS v6.4.5 includes support for the Aperio IN100 v3 lock with AROs and MROs. MROs are supported with the AH30 v3 Gen 4 hub (available immediately) and newer. Requires AH30 v3 Gen 5 hub for ARO support (*expected availability Q4 2020*).

FIXES

The following issues have been resolved in this version:

VIDEO CAMERA CONTROL

- Poor performance loading camera control records with more than 100 camera control records defined.

SYSTEM MANAGER

- Holidays could be added to the default “No Defined Holidays” Holiday Set.

VANDERBILT PRIVACY POLICY

SMS does not transmit any data back to Vanderbilt. Any personal data collected within SMS is managed and used exclusively by the end-user of SMS entirely on customer owned equipment. Vanderbilt does not collect, manage or sell personal data. Please visit the Vanderbilt website at <https://usa.vanderbiltindustries.com/legal> for more information on our privacy policy.