ABB strongly recommends to all ABB control systems users to install, on regular basis, the ABB validated IT security updates in order to identify and plug, as early as possible, any vulnerabilities in the Microsoft and other 3\textsuperscript{rd} party relevant software. Furthermore, ABB strongly recommends to install, and regularly update, the ABB supported and validated virus scan software updates in order to identify and defend against IT viruses and other malware on all operational ABB control systems.

Automation Sentinel is the exclusive way for users to get access to and make use of the IT Security Test and validation reports and other relevant security product bulletins pertaining to the ABB control system in use. The target ABB control system must be under a valid Automation Sentinel subscription before it can make use of this service. This applies to each and every ABB control system.

The following information defines the extent and scope of the regularly published IT security reports:

**System 800xA**

Security updates from Microsoft® are evaluated depending on their relevance and compatibility with the 800xA control system. The results are communicated within 2-7 days from the Microsoft release. All relevant updates are validated.

Compatibility statement for security updates is valid regardless of the revision level of the 800xA system version. Normally regression testing of a security update is done towards the latest revision in all supported (Active, Classic and Classic Extended) system software versions unless there is a reason to suspect the behavior will be different in an earlier revision. In such a case additional tests will be performed.

Symantec™ Scan Definition Updates and McAfee® DAT-files are verified on the active major System 800xA software version - 800xA V5.1 today. However, the probability of malfunction if such anti-virus updates are used on earlier 800xA system versions is very small.

There is no daily anti-virus update verification on any Classic or Limited 800xA system software versions.
**Note 1:** Security updates are tested for all System 800xA product versions that are in lifecycle phase Active and Classic. For a product version that has reached lifecycle phase Limited, these tests are discontinued.

**Note 2:** The validation status will still apply in connection with security bulletins which are released before a product version is transferred to the Limited life cycle phase. This information is kept and can be found in the latest version of the IT security verification report. To determine when a particular version was transferred to Limited, please refer to the lifecycle plan of the product.

**Note 3:** For more information about and for the download of security updates and/or patches, please refer to the respective vendor website.

**Symphony™ Plus**
All security updates from 3rd party software vendors are evaluated and relevant updates are tested for compatibility with Symphony Plus.

Validation tests are made with Symphony Plus including required 3rd party software installed according to relevant installation guides. All tests are run with installed and active antivirus software. The testing of and the publishing of the IT security report is done on monthly basis for both the Active and the Classic software versions of the Symphony Plus system. There is no security testing for Limited software versions.

The Symphony Plus IT security update validation (security product bulletin) includes vendor specific and relevant references, criticality, affected products, and ABB’s validation status. For more information and for download of the corresponding updates, please refer to the respective vendor websites or use the links provided in the report.

There is no daily Anti-virus updates verification for the Symphony Plus control system. Anti-virus updates testing and validation is done on monthly basis and is limited to the McAfee Anti-virus software.

**Freelance**
The IT security testing and verification (mainly for Microsoft and other 3rd party software) takes place on monthly basis and targets all Freelance product versions that are in lifecycle phase Active or Classic. For a product version that has reached lifecycle phase Limited, these Security Tests are discontinued.

Based on the above, Freelance 2013 SP1 and Freelance system version 9.2 SP2 are actively tested within 2-7 days from the Microsoft release. However, the probability of malfunction on earlier Freelance system versions is very small.

On the other hand, Symantec Scan Definition Updates and McAfee DATs are verified on daily basis on the active major Freelance version only (V2013 SP1 today); however, the probability of malfunction if such Anti-Virus updates are used on earlier Freelance system versions is very small.

McAfee and Symantec release updates at regular intervals, usually several times a week. ABB verifies these updates as soon as they are available to ensure that the virus scanner does not detect legal code as a so called false positive.
Each time an update has been verified, the corresponding verification document (ref. (2PAA108235) is updated to reflect the status. If a false positive [means a McAfee or Symantec update on a particular date is impacting the Freelance 2013 SP1/Freelance System V9.2 SP2 operations in an adverse way] is identified, a product bulletin is issued, and appropriate measures are taken. Until the problem is mitigated users should not install the particular update (i.e. the user should not update the DAT-file for McAfee and virus definition files of Symantec Endpoint Protection). As long as no such specific announcement is made, users can install McAfee and Symantec updates, but should allow up to 72 hours from the McAfee & Symantec publication of the update in order for ABB to complete the verification, and also to issue a bulletin in case verification fails.

The verification takes place on Freelance 2013 SP1 and Freelance system version 9.2 SP2, but the probability of malfunction on earlier system versions is very small.

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Useful References:
The following references can be used for more information:

2. System 800xA - Third Party Security Updates Validation Status, Document ref.: 3BSE041902
3. System 800xA daily verification of McAfee and Symantec updates, Document ref.: 9ARD107543-002