ABB Requirements
Establishing the requirements

For various services, it is necessary to set up requirements enabling the implementation of cyber security measures. Such requirements may include:

- ABB Service platform
  - Plant Security Server
  - Backup Server
- Standard Installation
- Remote Access Integration

The Plant Security Server is typically installed in a demilitarized zone (DMZ) and is therefore capable of establishing a secure connection to ABB via a reliable remote access platform, in order to enable updates, e.g. virus signatures and Microsoft security patches.

For other security services, the Plant Security Server acts as a central platform for data and software applications, or as a gateway for secure communication with the office network.

The Plant Security Server can be provided in different variants, as tower or rack hardware, or as a virtual machine. One Plant Security Server can be used for multiple systems, i.e. requiring only an external remote connection.

Backup Server
A central Backup Server makes it possible to produce automated cyclical backups and simplifies the handling of backup and recovery scenarios.
ABB Standard Installation

The right basic settings are the basis for a stable and secure system. New systems are installed according to a defined ABB standard.

The systems that do not match the ABB Standard Installation are tested and adjusted.

Remote Access Integration

Remote Access Integration makes it possible to enable automatic updating as part of malware protection and security patch management.

This requires access to the ABB Security Update Server. It provides security updates and virus signatures tested and approved by ABB.

Remote Access Integration includes secure remote access and secure remote maintenance. If a connection to the control system is established by your personnel or externally by ABB, we set up a secure connection, which can be activated by the system operator when needed. The implementation is carried out via the remote access platform on the plant security server. According to your security requirements, this connection is established via a demilitarized zone (DMZ) and not directly with the system.

There is no permanent connection; access is granted and controlled from your system.

Access to the ABB Security Update Server

[Diagram showing the connection between ABB, ABB Security Update Server, DMZ, Plant Operator, and Process Control System]