

ETN013 EN June 2017	Equipment Specification for the IT equipment of devices	 JOINTLY INNOVATIVE
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1 Purpose and scope of application

This equipment specification is a guideline for the IT equipment of equipment and machinery. These Regulations for Devices shall be complied with for all ETO orders. Technical execution will be reviewed via a checklist as part of the acceptance procedure of equipment.

If there are discrepancies between this equipment specification and the specifications sheet, the information in the specifications sheet shall apply.

If special agreements have been made, these special agreements shall only apply to the specific order and shall be recorded in writing. Verbal agreements are not valid.

If deviations from the equipment specification which would have been possible to comply with are detected upon acceptance, then conversion at the expense of the supplier may be required.

These Regulations for Devices should achieve the following:

- High availability (operational readiness) of the equipment.
- Minimum spare parts stock and short down times in the event of repairs through use of appropriate preferred components.
- Avoidance of additional work and additional costs for start-up.
- Safety for operating and service personnel.
- Assurance of the use of modern technology with regard to profitability, maintenance and set-up times.

Fast initial training of ETO personnel on equipment and machinery through standardization that is based on the equipment specification.

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2 Change history

Issue	Change description
October 2010	First issue
July 2013	Revision section 5 et seq., remote dial-in
June 2017	Fundamental revision

3 Project organization and project processing

At ETO, the IT Department is responsible for the technical evaluation for the procurement of the IT equipment of machinery.

All planning documents shall be submitted to ETO for review and approval as part of the design discussion. Approval only applies to the execution principle. However, this does not release the supplier from its obligation to manufacture a functional system that satisfies the technical specification, as well as the requirements stipulated in relevant standards and laws.

Project planning documents are:

- Hardware equipment, specification of the PC used (if it is not a standard ETO PC)
- List of software
- List of the data to be backed up

Technical changes during manufacturing and project planning shall be agreed upon with ETO.

The supplier shall act as the general contractor. Likewise, the supplier is responsible for all interfaces and processes.

The supplier shall inform itself of the local conditions. This will be done with ETO's assistance and refers to the possibility of installation and power supply, as well as the arrangement and set-up of component assemblies such as PCs.

4 Regulations and standards

4.1 General information

EC Machinery Directive 2006/42/EC applies. Accordingly, the current EC Low Voltage Directive shall be complied with. EN 60204-1, including the recommendations and additional requirements contained therein, shall be complied with.

The supplier is responsible for the safe functioning of the electrical equipment and compliance with the occupational health and safety standards and directives in effect at the time of operational acceptance.

5 Fundamentals

PCs for production facilities are subject to more rigorous requirements. The PC hardware shall be configured for 24 h/7 day a week operation and shall be able to withstand the ambient conditions that prevail in a production facility.

Production facilities with electronic control shall always be provided with a connection to the ETO Production Network.

The following functions should be executed via this connection:

- Transmission of status data of equipment
- Forwarding of process data to a central system
- Execution of remote data backups
- Remote maintenance.

5.1 PC hardware

A PC preconfigured as 19" production PC is always provided by ETO.

The PC will be procured pre-configured with screen, keyboard (US layout) in accordance with IT Mainline.
The screen is connected via HDMI.

If need be, the supplier may request the configuration of the provided PC.

Deviations are only possible for justified exceptions. In this case, the PC equipment shall be approved by the ETO IT Department in writing.

5.2 UPS

The PCs in the production line shall be safeguarded with a UPS. If multiple PCs are used in one facility, the PCs can be safeguarded via one UPS.

The UPS devices will be provided.

6 Software

The PC provided by ETO is delivered pre-configured.

The configuration consists of

Operating system

- MS Windows incl. User CAL.
- MS Office, if necessary

When integrating the computer in the ETO Production Network, additional software tools (virus scanner, back-up software, remote maintenance software) will be installed by the ETO IT Department.

For security reasons, the software used shall not run with administrator rights.

The original licenses for all software are included in the scope of supply and shall be transferred to ETO with delivery of the equipment.

Deviations shall be approved by ETO in advance.

7 Network technology

- The IP addresses starting with 192.168.1. and 172.x.y.z must not be assigned.
- The set IP addresses must be affixed on the respective network node in such a manner that they are easily visible (e.g., with a sticker).
- Standard gateway IP addresses must not be assigned.
- For the provided PCs, the computer names will be assigned by ETO.
- Documentation concerning the internal networking of the equipment citing the IP addresses (IP, subnet mask, gateway) and MAC addresses used (topology overview) shall be provided.

8 Remote access to equipment and machinery

Remote dial-in for a remote maintenance access is conducted externally via a central dial-in procedure provided for this purpose (a VPN connection is established). Additional information is available from the party responsible for the facility and the ETO IT Department.

The ETO IT Department prepares the PC intended for dial-in with the necessary software.

The basic prerequisite for obtaining dial-in approval is an ETO Non-Disclosure Agreement signed by the supplier.

9 Other applicable documents

ETO data sheets for preferred components and procedures.