SIMOTION

Frequently asked Questions

How can different users work simultaneously on the SIMOTION and the HMI part in one project?

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For questions regarding this application please contact us at the following e-mail address:

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Qualified personnel

In the sense of this documentation qualified personnel are those who are knowledgeable and qualified to mount/install, commission, operate and service/maintain the products which are to be used. He or she must have the appropriate qualifications to carry-out these activities

e.g.:

- Trained and authorized to energize and de-energize, ground and tag circuits and equipment according to applicable safety standards.

- Trained or instructed according to the latest safety standards in the care and use of the appropriate safety equipment.

- Trained in rendering first aid.

There is no explicit warning information in this documentation. However, reference is made to warning information and instructions in the Operating Instructions for the particular product.

Reference regarding export codes

AL: N

ECCN: N

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2 Solution

This solution can be applied to ProTool as well as to WinCC flexible.

Example:

- A user is working only on the SIMOTION part of a project.
- A second user is working only on the HMI part in a separate project.

Requirements:

SIMOTION and HMI are in one STEP 7 project (HMI integrated in project).

Proceeding:

1. Copy master project from master PD/PC to HMI-PG/PC.
2. Both users are working separately on the master and HMI PD/PC.
   Due to the same interface to the HMI (same address of global HMI variables) also the generated surface at the control is functioning.
   For this, it is necessary that the HMI consistence check is deactivated in Scout under Extras->Settings.
   Attention!
   In case of an incompatible change of the HMI interface, the machine is not able to execute the desired motions!
   Compatible change means for example to create an own unit for HMI variables, not to delete HMI variables, to add new HMI variables in the interface at the end of the section, not to access directly to TOs (due to potential renaming), but to recopy to user variables.
   Therefore, step 3 has to be executed immediately in case of incompatible changes.
3. Acceptance of the HMI configuration into the master project.
   a. Delete all files PROJECT_1.* from the directory HmiEs\PROJECT_1 in the master project.
   b. Copy the file PROJECT_1.hmi from the directory HmiEs\PROJECT_1 to the master project in the HMI project.
      If the names of the directories are different, e.g. PROJECT_1 and PROJECT_2, the file PROJECT_x.hmi has to be renamed so that it is suitable to the directory in the master project.
   c. For ProTool/Pro, the directory name is TDOP and the file e.g. Pro.pdb or pro__00.pdb. Only overwrite the pdb, but do not delete any other files.
4. Finally, the master project is harmonized with the HMI configuration of the HMI-PD/PC.
   For a new, separate working on the project, please restart with step 1.

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3 Contact partners

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