

What's New in S7-SCL Version 5.3 SP1?

Language extensions

Language resources that are defined in IEC 61131-3 have been added to S7-SCL V5.3 SP1:

- Functions for processing numerical values as internal SCL functions (SEL, MAX, MIN, LIMIT, MUX)
- Support of BCD representation of integers by means of conversion functions (BCD_TO_INT, INT_TO_BCD, etc.)
- Assignment operator => for output parameters of functions
- Field initialization with bracketing
- New conversion functions (BYTE_TO_INT, INT_TO_BYTE, etc.)

Compiler settings in the source

Compiler settings can be stored in S7-SCL sources or compiler control files. This means that you can store the properties of a compilation source-specifically.

Extended debugging functions

- Block inconsistencies and time stamp conflicts in S7-SCL blocks can be determined and corrected with the STEP 7 debug function "Check block consistency". This debug function is available as from STEP 7 Version 5.3 SP2.
- The "Monitor" debug function can be used more specifically by defining call environments.
- The monitoring range for the "Monitor" debug function can be limited specifically by marking a section in the source.

Color printing

S7-SCL can also be printed out in color.

Extended search function

S7-SCL now also allows searching from the cursor position upwards and searching with a marking.

Placing of bookmarks in the source text

You can now use bookmarks to navigate rapidly with a source.

Creation of S7-SCL blocks with foreign-language character set

S7-SCL sources can contain texts with foreign-language character sets. This allows you to create blocks for the world-wide market in which the important elements visible to the user are displayed in foreign-language character sets (for example symbolic blocks names, attributes and comments).

For further information about foreign-language character sets please refer to the Readme file.