SIEMENS

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Main changes in Simocrane SC/CeSAR STS, GSU V2.1 SP2 compared to V2.1 SP1 HF1

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SIMOCRANE Sway Control
Target generator function

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Target generator was completely revised

- The related bugs were fixed;
- the function was extended.
- the possibility of diagnostic in CeCOMM was improved.
- A new bit in S7-interface is added for initializing the target-position-list
- It was described in a separate chapter in the instruction manual

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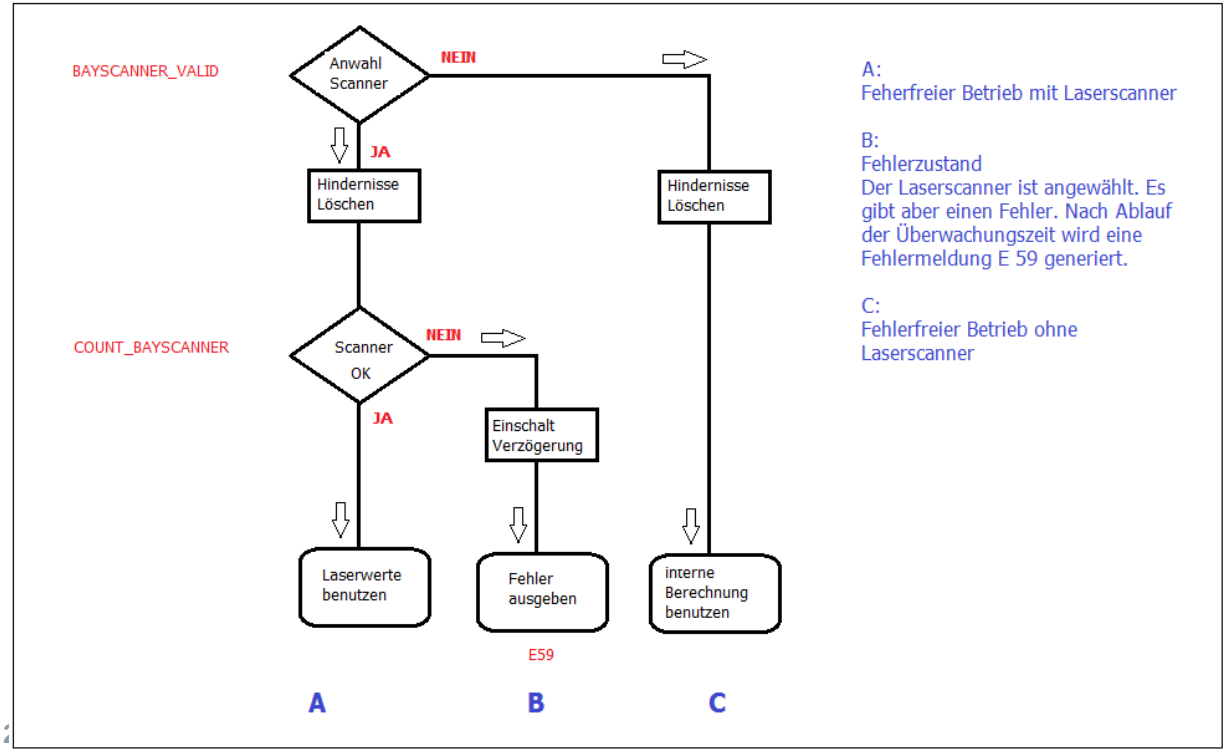
SIMOCRANE Sway Control
Update the internal obstacle profile with bay scanner

The handling to update the internal obstacle profile was changed.

- The definition of the used variables were changed.
- The valid bay scanner value will be taken immediately, no matter it is higher or lower than the current height
- A new fault massage (E59) will be generated, if plausibility check fails.



SIMOCRANE Sway Control
Interlocks by starting SAM with initial speed

Some specified interlocks are implemented if the SAM is started while Hoist/Trolley has been already in movement.

- Hoist

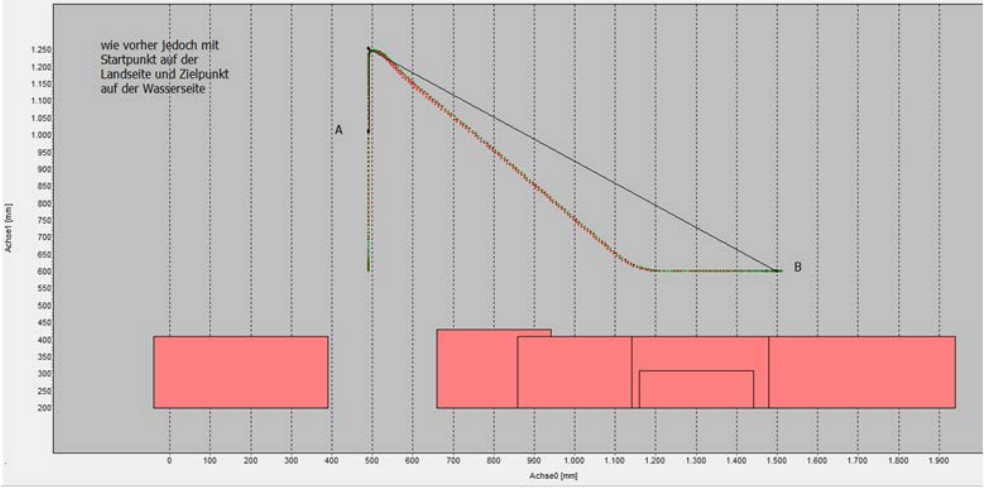
  If hoist moves down (actual speed (MAN) >3% V_max), it will be braked with maximal deceleration without sway control. A fault message (E58) will be generated.

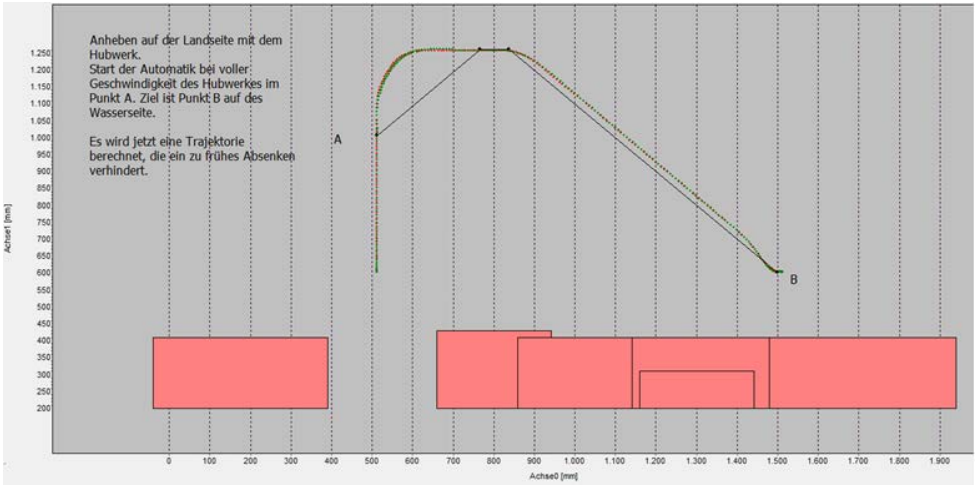
- Trolley

  If trolley moves in Manual Mode (MAN) with speed >20% V_max, it will be braked with maximal deceleration without sway control. A fault message (E58) will be generated.

SIMOCRANE Sway Control
Trajectory form in Semi-Automatic Mode

The trajectory form in SAM was improved. The trajectory with steep downward at the beginning is avoided.





SIMOCRANE Sway Control
Extended log function

The log function was extended. If an incident happens, after enabling a bit from external (e.g. operator) the last information (total 20000 changes) (position, speed, obstacle, control-bits,…) will be saved as log-file on memory card. It can be displayed in text editor or CeCOMM.

- A new bit (SAVE_LOGGER) was added in the S7-interface to save the ring buffer data
- A separate chapter is added in manual

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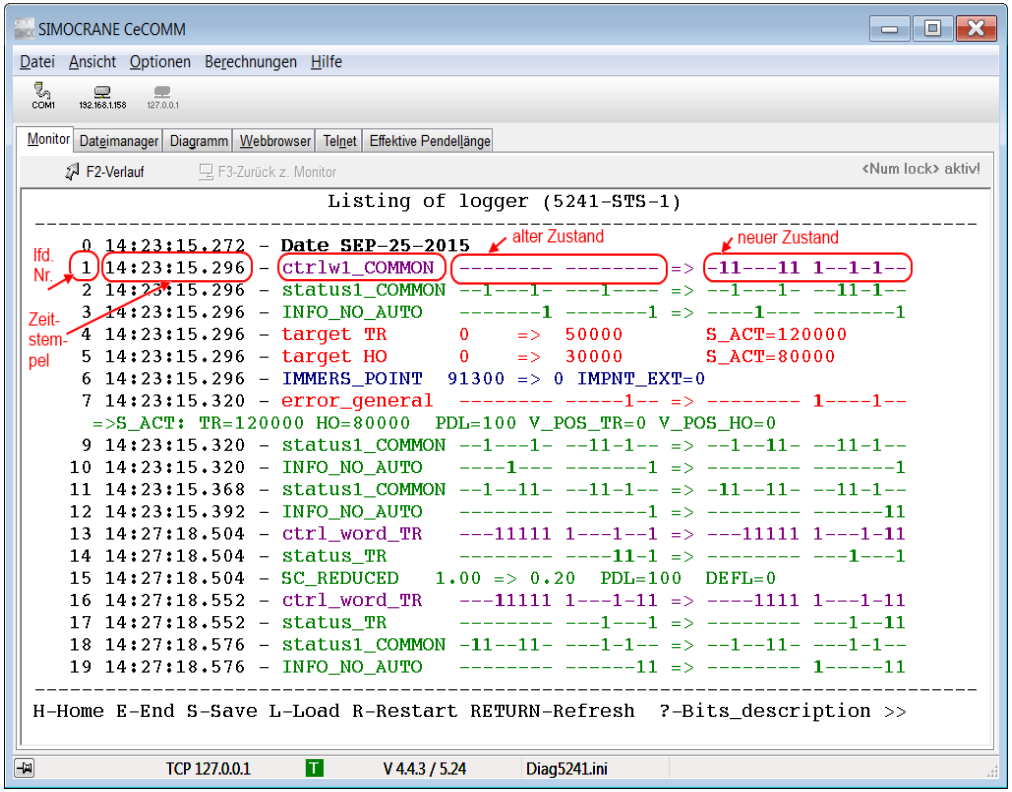

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SIMOCRANE Sway Control devise changes

- Some parameters default value or maximal/minimum value are adapted;
- Some bugs related to the points mentioned above are fixed

Thank you for your attention!

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