Changes from 6.01 (11/2017) to 6.07 (03/2019)

Motor Support

- support for motors with MPOLES>= 172 (this MPOLES setting was not possible because of MSPEED/SLJSWITCH deadlock).
- Function for motor inductivity measurement (CALCML)
- CALCHALL function implemented (testing of hall/motor assignment).
- Support for motor data base 1.46 (AKM2G)

Feedback support

- VCOMM limit value extended to 25000 RPM
- ramp function (ACCR) for analog position command (ANCNFG=8)
- HDSL: Software reset for F04 implemented

Fieldbus

- PLL command can be accessed via Object Number 1057
- PROFIBUS: CONTINUE problem fixed (no automatically start of motion task after HALT OFF fixed)
- Support for BISS-C multiturn implemented. BISSREVOL defines number of multiturn bits.
- Pllhub is used not only for EtherCat but also for CAN and Aquarius
- (only Synqnet,Sercos and Sigmatek are using constant value 2 instead of PLLHUB)
- EtherCat: EIOBUF command for EtherCat mapping values implemented. DRIVE Bit 0x2000 reports support for CALCML and EIOBUF for the DriveGUI.

Safety

- SFD3 problem at switch on with DIR=20 and Safety card (error F31o19i02) fixed.

Bug fixes from 6.01 (11/2017) to 6.07 (03/2019)

- recording bug for AutoTune fixed
- ENDAT2.2: EN22CNFG upper limit changed from 3 to 7
- BISS-C: Sign-extension in case of linear motors removed. This caused problems with the absolute encoder position.
- ENDAT2.2: Problem with HSAVE command fixed (no writing/reading of MNUMBER/MPHASE)
- POSIO/Monitor function ANOUTx=9 implemented.
- PROFIBUS: DRVCNFG4=0x80000 compatibility bit, =1 no waiting for init ready before processing the control word.
- Profibus: Bug with "motion task start" without "homing reference set" fixed.
- ENDAT2.2: Problem with AI-1/2 in case of not supported valuation numbers fixed.
- CAN: homing mode(NREF=7, DREF=1) via CAN fixed
- S748/S772: switching off of pre-charge when the net voltage is switched off, Hysteresis for pre-charge function implemented.
- Hiperface Linear/Biss analog - problem with the position accuracy fixed (there was a problem with the synchronization between the digital and analog position)
- storing of 64Bit position for negative ranges fixed.