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Änderungsindex Software S168 813 Standard
Release notes software S168 813

Version	Freigabe	English
1.3.3	22.01.13	Short description / main change / reason for new version Bug fixes: • OpenProtocol: MID 38 rejected (PRR-02248) • OpenProtocol: Not reply was sent to MID 110 (PRR-02253) • Bomb in Advanced screen if tool #1 is not installed (PRR-02249) • CSV files not sent after Linking group changed in Barcode enabled mode (PRR-01994, partly) • Button in Diagnostics for CSV/XML files displayed wrong (PRR-01726, partly)
1.3.4	10.04.13	Bug fixes: • OpenProtocol: MID 110 sends back NOK response (S-00604, GSD PRR-04000) • OpenProtocol: Error bits not supported (S-00604, PRR-04000) • OpenProtocol: Synchronization added to MID0127 to delay the acknowledge packet until the job canceled by the controller. • Fixed several ToolsNet Client problems. (PRR-03699) • Changed plausibility check for Calibration value to allow up to 20000 Nm • WinSPC: fixed crash with long traces (PRR-02414) • AutoSelect in in Run Screen not functional (PRR-02245, CQA-900) • Latest Rundown not shown on Run Screen (PRR-02361) • Controller name with Cyrillic characters was not transmitted (PRR-02390) • Could not leave Run Screen after Tool Change (PRR-02326)
1.4.0	23.04.13	New Features / Enhancements: • Support for up to 4 LiveWire I-Wrenches • Sequence 32 (Prevailing Torque, compensated) • Sequence 33 (Pulse Torque Recovery) • LiveWire Tools now support 96 Linking positions instead of 40 • Possibility to configure 5 GHz band U-NII 2, 2ex and 3 for LiveWire Tools • Ability to delete Applications (S-00329) • Software Update Utility V1.3 with improved error checking and Software Update Report via FTP as XML • Data Transfer in selected Torque unit for OpenProtocol MID 61 and 101, also for Fieldbus data transfer • Ability to accept System Bus map automatically • Option to lock tools if fieldbus is disconnected • Support for 2-port EtherNet/IP module with M12 connectors (544278PT) • Performance improvement in Anybus drivers Bug fixes: • Not possible to show diagnostics information for Spindles and hand tools in various scenarios (PRR-02210, PRR-02224) • Secondary controller shows error TDR1 with Tubenut tools (PRR-02176, CQA-777) • Tubenut tools - max torque and backoff speed set wrong (PRR-00439, CAQ-819) • Auto Select not functional (PRR-02245, CQA-900)
1.4.1	28.08.13	New Features / Enhancements: - Maximum Part ID barcode length is now 39 characters for all tools (32 with work piece administration) - Made sequence of VIN reception and Linking Group selection arbitrary in Part ID interlocked mode - Faster upload of jobs and applications to I-Wrench - Made Secondary display configurable to show Job information and other Torque Units than Nm - Better detection for offline results which don't belong to the current work piece (Job mismatch) - Displaying free space in system partition in Net / Proc window - Removed unnecessary log messages **Bug fixes:** PRR-02645 Input and Output signals not saved in Advanced AB PRR-02603 Installation error in Tool Setup PRR-02219 Linking and Position programming in mPro PRR-02621 Loading Graphics Time-Out Recovery was missing PRR-02618 Torque transmitted on OpenProtocol, Fieldbus is not in Nm if other TQ unit is selected PRR-02650 Duplicate results in CSV files PRR-02183 Output 'Tool Enabled' is active even if no application is selected PRR-01936 No data sent over OpenProtocol for some time if HD Archive is cleared PRR-02625 Barcode not functional with LiveWire

1.4.2	20.02.2014	New Features / Enhancements:

1.4.2   20.02.2014

New Features / Enhancements:
- Support for Standard2 with Part ID Protocol
- Using volatile RAM for RAM Archive instead of battery RAM to increase buffer size
- Improved statistics with new filter options
- Improved terminology for Linking Groups, Linking Steps, Tightening Position, etc.
- Reduced general CPU load
- Added System Info for LiveWire Tools
- Added network info for secondary network card in Net/Proc window
- Merge new configuration option dialog for I-Wrench from BMW software
- Merged from branch 1.3.3-B:
  - Additional Options for CSV Data transmission: Prefix, Time Sync, work piece OK, Filename without century, French column headers
  - Scanner Prefix is now configurable – multiple scanned can now be used for multiple tools with one base station

Bug fixes:

Number	Name	CQA
PRR-02868	PRR - Controller gets very slow	1756
PRR-02856	PRR - Process schraube crash if Linking group is changed during rundown	
PRR-02746	PRR - Date changes on our controller automatically when it connects to ToolsNet	
PRR-02718	PRR - Not able to run applications if first tool number does not match the group number	
PRR-02655	PRR - OP - Batch counter incremented at first NOK in OK counting mode	
PRR-02824	PRR - Archive vertical alignment wrong	
PRR-02717	PRR - Rundown not archived if TQ cal is greater than 10000 Nm	1471
PRR-02834	PRR - Serial Barcode Prefix not functional	
PRR-02832	PRR - Bitmap Image and Multiple Tools	1719
PRR-00835	PRR - Only one barcode length possible with work piece administration	
PRR-02719	PRR - Spindles Not locked for reverse when the spindle Bypass is activated	
PRR-02886	PRR - Timer based SE signal is always high during rundown	
PRR-02703	PRR - Tool Enable missing source messages not implemented completely	

1.4.3   04.07.2014

New Features / Enhancements:
- Support for multiple serial scanners connected to one serial port. A prefix can be assigned to each tool to distribute barcodes from multiple scanners to multiple tools.
- Support for one serial scanner for multiple tools
- EtherNet/IP Beacon-based DLR module supported

Bug fixes:

Number	Name	CQA
PRR-02991	Duplicate Results from I-Wrench	
PRR-02850	Part ID change during rundown causes multiple results in Archive	1744
PRR-03008	FEP: MID 0013: Batch size transmitted wrong	
PRR-02980	Could not setup output timers if tool group #1 not installed	
PRR-03033	Customize settings for unexpected barcodes	
PRR-03009	Visualization text of the linking step not displayed the tool display	
PRR-03010	Cannot use tools after startup with Linking Screen as startup visualization	
PRR-02987	Part ID entered through keyboard is not accepted in Ext Application mode	
PRR-02990	The Tool constants screen does not accept high angle factors	
PRR-02939	For X LiveWire models it is not possible to set the Wireless channel	1870

1.4.4	17.10.2014	**New Features / Enhancements:**		
		• OpenProtocol: New Setting to allow or disallow Linking Group termination with MID0038		
		• OpenProtocol: New setting for reset Batch size to zero on Connection Loss		
		• Tightening: Evaluation Torque setting to ignore all results below this value (per tool group)		
		• Data Export: Stage results selectable		
		• Data Export: Decimal separator configurable		
		Bug fixes:		
		Number	**Name**	**CQA**
		PRR-02838	MID0410 - For auto disable request no ACK or NAK response is received	
		PRR-03064	Deleting application in Matrix tab is not deleting application information completely	2088
		PRR-03090	Gradient values are populated in export of Seq. 32 and no PVT value available	
		PRR-03108	Differences on serial Interface with v1.4.0 to 1.4.3	2356
		PRR-03109	Barcode scan step configured from mPro linking screen saves only 16 characters	
		PRR-03110	Five-decimal values for Brake Rope Adjustment parameters are changed unintentionally	
		PRR-03113	Skips of a linking step when scan of barcode step with different tool is done	
		PRR-03138	MID0019 - Set Batch is accepted even though batch is inactive for application	
		PRR-03140	Terminology for Linking Group parameters not used consistently	2383
		PRR-03169	Tool data for Livewire tools not always available when user acceptance is needed	2358
1.4.5	14.01.2015	**Bug fixes:**		
		Number	**Name**	**CQA**
		PRR-03057	Parameters in MYPARA are different than saved parameters on e.g. USB-Stick	
		PRR-03222	Tool not locked if invalid bitmask is selected	
		PRR-03223	Process schraube crash if text for inputs used	2088
		PRR-03224	Parameter changes via mProRemote for application 1-9 not used	
1.4.6	29.06.2015	**New Features / Enhancements:**		
		• I-Wrench new parameters:		
		○ timeouts for finish tightening application after release:		
		▪ if not reached shutoff point (long timeout)		
		▪ and if reached shutoff point (short timeout)		
		○ Block error detection parameter minAngleToMinTorque can be set		
		○ Trigger torque available		
		• I-Wrench graphic points start from trigger torque		
		Additional change:		
		Input signal "ToolEnabled": Signal state is now verified only while starting a rundown. During the tool is running the signal has no influence anymore.		
		Bug fixes:		
		Number	**Name**	**CQA**
		PRR-03276	External Application Selection not functional with I-Wrench	2573
		PRR-03281	Endless loop with MID0052 and MID0018	
		PRR-03290	Rundown not possible in Manual Mode	
		PRR-03291	Could not enter scan PartId step or barcode step manually and via Fieldbus	2641
		PRR-03320	MID-0061 takes more than 1000ms	
		PRR-03346	Different VIN transmission to CSV-SAMBA	
		PRR-03359	I-Wrench does not work with torque multiplier	
		PRR-03361	OP MID 42 and MID 43 with I-Wrench does not work with fast commands	
		PRR-03363	No Job loaded to TMA after leaving Manual mode	
		PRR-03366	OP Job select MID0038 takes more than 4s	
		PRR-03373	Scanner LiveWire Tools is not activated in Manual Operation mode with Part ID	
		PRR-03425	OP MID-0127 Linking Group gets reselected immediately when not in Runscreen	
1.4.7	18.08.2015	**Bug fixes:**		
		Number	**Name**	**CQA**
		PRR-03440	Job mismatch with scanner, scan step (23 characters) for battery tool	2894
1.4.8	16.10.2015	**Bug fixes:**		
		Number	**Name**	**CQA**
		PRR-03456	Wrong Batch Position Displayed and Transmitted Over Open Protocol	
1.4.9	26.01.2016	**Bug fixes:**		
		Number	**Name**	**CQA**
		PRR-03690	Application dropdown is not updated on Runscreen	3176
		PRR-07710	OpenProtocol workflow too slow with LiveWire Tools	

1.4.10	03.03.2016	**main change:**
		♦ I-Wrench Results won't be accepted if ResultID is older than the last added result
		♦ Results with ResultID zero will always be accepted. Can only happen after recirculation of ResultID variable (9.999.999 tightenings) or manipulated EEPROM on the wrench.
		♦ Reset of comparison of ResultID after accept tool change.

1.4.10 — 03.03.2016

main change:
- ♦ I-Wrench Results won't be accepted if ResultID is older than the last added result
- ♦ Results with ResultID zero will always be accepted. Can only happen after recirculation of ResultID variable (9.999.999 tightenings) or manipulated EEPROM on the wrench.
- ♦ Reset of comparison of ResultID after accept tool change.

Bug fixes:

Number	Name	CQA
PRR-03706	Results out of order with I-Wrench with bad wireless connection	

1.4.11 — 02.09.2016

Bug fixes:

Number	Name	CQA
PRR-03780	Error when change position point in picture	
PRR-03835	Batch activation does not work properly for LiveWire and OP	
PRR-03841	Data not transmitted with big traces	
PRR-03880	OK and NOK set at once if Sequence 46 is used with less than 9°	
PRR-03884	MID 128 sends no answer	

1.4.12 — 29.09.2016

Bug fixes:

Number	Name	CQA
PRR-03972	Process Schraube crash at activation of Manual Mode	

1.5.0	19.12.2016	**New Features / Enhancements:**

- Screen Reorganization: Removed mPro button and unified TME and mPro GUI
- Multi-Tool Group - Redesign Screens according to style guidelines
- Maintenance Counters functionality
- 99 Linking Groups can be parameterized
- Enhanced traces configurable per tool group
- ToolsNet with traces
- Speed ramps
- Number of bitmaps for visualization set to 40
- FTP / SAMBA now also works in Application mode
- Load and save single applications as XML
- More than 80 bytes per group in byte area
- IPM Protocol
- CPS_READY Input (BMW)
- Untightened Archive Entries (SKIP) – Results of non-tightening (HONDA Brazil)
- Fast trace transmission (GMPT)
- Open Protocol:
  - MID 250-255
  - Channel IDs configurable
- HBPO / LEAR merge:
  - Back-off application configurable
- CSV Export for all stages from HD Archive
- support TRASYS protocol
- New features for I-Wrench:
  - CCW and Seq. 63
  - More than 20 steps in Linking Group supported
  - multiple barcodes support
  - Seq. 30+50+63 trigger torque configurable
  - BLOC Angle, short and long timeout configuration
  - Application/Linking Group selection by socket head
- New features for LiveWire tools:
  - Manual Application/Linking Group selection on tool

Bug fixes:

Number	Name	CQA
PRR-00312	Speed ramps not adjustable	0926
PRR-02583	Various issues with torque calibration factor 20000 Nm	1471
PRR-02548	CSV-FTP loses results if rundown results have same timestamp	
PRR-02589	Schraube – Cycle time higher than 100 ms	1113
PRR-02799	FTP-Samba – Seq. 30 limits used for Seq. 11	
PRR-02940	LiveWire tools – use of single WIFI Channel not functional	1871
PRR-02974	OK if in limits function not translated	
PRR-02976	Timer for output signals not functional if Tool 1 is not installed	
PRR-03095	Workaround for FLT error when stopping spindles is required	
PRR-03137	I-Wrench BLOC error calculation needs to be improved	
PRR-03217	Evaluation torque for Back-off with LiveWire tools does not work	
PRR-03232	Ofmpro crash in case of barcodes including percent characters	
PRR-03445	Tool is locked by output timer although function not activated	2906
PRR-03685	No communication for TorqueNet with new TcpClient	
PRR-03690	Application dropdown is not updated on Runscreen	3176
PRR-03780	Error by change of tightening point at Visualization screen	
PRR-03835	Batch activation does not work properly for LiveWire tools and Open Protocol	
PRR-03841	Data not transmitted with big traces (TorqueNet and ToolsNet)	
PRR-03885	MID0035 Job info does report wrong job status	
PRR-03902	Wrong applications in applications dropdown in Runscreen with multi-tool group	
PRR-04034	Disable LiveWire tools with OP MID0042 not functional	

Known issues with this version:

- Rundown counters will be cleared after update from Versions S168813-1.4.x
- Multi Tool Group setup – Tool Group number does not equal installed Tool number in Tool Group may not work as expected (Will be fixed later)

1.6.0	22.05.2017	**New Features / Enhancements:**

- S-00319   MID 0152 Multiple Identifiers Work Order Upload
- S-00324   MID 0157 Reset All Identifiers
- S-00722   Implement TPS Support
- S-00735   Improve Advanced/Tool Group Settings tabs

Bug fixes:
- PRR-04220   Manual Input Select in Linking Group not working
- PRR-04127   Run Screen displays wrong status message
- PRR-04182   Lock with bitmask does not work with LiveWire Tools

1.6.1	03.05.2018	**New Features / Enhancements:**
		• REQ-00408 Compensation Value Seq 32 in Export
		• REQ-00416 App select on battery tool by Application Name
		Bug fixes:
		• PRR-04600 SW-Feature Integrated
		• PRR-04601 Honda Canada - OP rejects Job selection
		• PRR-04616 Could not execute release phase using Tube-nut tool
		• PRR-04617 Tubenut open clears Linking OK/NOK
		• PRR-10829 Tool's LED did not blink, the Stack-light did not blink
		• PRR-11523 XML protocol incorrect
1.6.2	29.06.2018	**New Features / Enhancements:**
		• REQ-00432 Output Signal to signal new scanned barcode
		• REQ-00437 OP Offline inverted function
		Bug fixes:
		• PRR-11810 ToolsNet parameter change with NOK Result
		• PRR-11858 ToolsNet Multispindle issue
1.7.0	27.07.2018	**Main Changes / Enhancements:**
		• REQ-00393 NGDC Tool support
		• REQ-00414 Default parameters work with Hybrid and Primary
		• REQ-00420 Support DGD Protocol with Hybrid
		• REQ-00423 Tool lights functionality for NeoTek
		• REQ-00424 Sequence 80 with Torque plus Angle shutoff
		• REQ-00429 EMS Errors in Archive Error table
		Bug Fixes:
		• PRR-04350 IPM Version 5.2 setting has no effect
		• PRR-04491 Batch size greater 40 not possible with Battery tools
		• PRR-04500 Screen Saver Settings Not Preserved
		• PRR-04546 MID35 does not work after first position NOK repeat
		• PRR-04556 I-Wrench Linking with Step IOs not working
		• PRR-04557 XML-CSV cannot enter french accents in subdir field
		• PRR-04560 Batch count wrong after Battery tool offline
		• PRR-04565 Special character for WPA Password
		• PRR-04586 Report Peak Torque via OP
		• PRR-11606 ABL error during batch count
		• PRR-11638 Touch up and Error handling causes parameters update via mProRemote
		• PRR-11591 Not possible to make mProRemote Connection
		• PRR-11597 TPS Subscription active after TPS restart
1.7.1	06.09.2018	**Bug fixes:**
		• REQ-00417 MID-0061 Revision 42
		• REQ-00433 MID-0061 Revision 500
		• REQ-00434 MID-0061 Revision 998
1.7.2	20.09.2018	**Bug fixes:**
		• PRR-12412 No grahics data transmission with I-Wrench over IPM
		• PRR-12466 Standard2PartID protocol receives scanned barcode sporadically
		• PRR-12483 Loading old parameters not possible after software installation
		• PRR-12485 ToolsNet – No Enhanced Graphics and additional VIN transmission
		• PRR-12510 ToolsNet – Connection cannot be re-established
1.8.0	21.12.2018	**New Features / Enhancements:**
		• REQ-00405 Implement Message for FMEA-0059
		• REQ-00418 Remote start support for LiveWire tools
		• REQ-13524 CellCore support
		• REQ-13554 Integrated Access Point Wifi configuration
		• REQ-13579 Brake-Rope Adjustment per Tool
		• REQ-13647 mPro200 Default IP address
		• REQ-13667 Add USB mouse support
		• REQ-13668 mPro200 HW configuration
		Bug fixes:
		• PRR-12703 Tubenut Operation
		• PRR-12887 With xBUT spindles is tubenut mode activated
		• PRR-12989 Toolgroup Enabled output is not activated in application mode
		• PRR-12992 I-Wrench - job mismatch error
		• PRR-13146 MID 42 ignored in case no LG is active

1.8.1	21.01.2019	**New Features / Enhancements:** • REQ-00419 XiBase9 Version 7 support • REQ-13721 NeoTek - 2D Scanner support • REQ-13723 NeoTek - 2D Scanner – 2nd function button mode **Bug fixes:** • PRR-13270 NoAck Flag for OP subscriptions
1.8.2	08.02.2019	**New Features / Enhancements:** • REQ-13754 Integrate Tool light accessory and brightness settings **Bug fixes:** • PRR-13315 OK/NOK Signals synchronized with AE for Battery tools • PRR-13355 MID 0061 Batch information not available in job mode
1.8.3	18.03.2019	**Bug fixes:** • PRR-13770 Schraube crash with LiveWire Tools and Job mismatch results
1.9.0	03.05.2019	**Bug fixes / New functionality:** • PRR-12598 - Controller freezing on abort linking via PROFINET • PRR-13820 - TRASYS crash • PRR-13943 - Rounding in XML result file inaccurate • REQ-13476 - CellCore - Bluetooth Support • PRR-14002 - Unknown Error 119 • PRR-14012 - Crash in Tool Setup screen
1.10.0	29.05.2019	**Bug fixes / New functionality:** • REQ-14000 - Gyroscope diagnostic dialog • PRR-13258 - Linking in process high even though no LG selected • PRR-13343 - Profinet and Profibus signals on invalid nodes • PRR-13886 - Default parameter use for stage 1 speed 0 rpm • PRR-13910 - Linking in process high even though no LG selected • PRR-14065 - If dialog for remote control is open is message box with attention sign displayed
1.10.1	14.01.2020	New functionality: • REQ-14433 - Merge S168813-1.10-P branch (BTS). • REQ-14293 - Merge S168813-1.6.1_B01CKD . • REQ-13769 – The setting"Lock while offline" can be set to [ms].
1.11.0	18.12.2019	Bug fixes / New functionality: • PRR-13126 - No communication between Controller and Tool. • PRR-13188 - Wrong application used with external selection. • PRR-14103 - Application selection via Tool menu on CellCore not functional. • PRR-12961 - Tool does not stop when leaving Switchboard. • PRR-14129 - Input TOOL GROUP STOP does not work with TMA tools. • PRR-15300 - Xi Webserver process crash on network scan. • REQ-14032 - Show EEPROM configuration . • REQ-14433 - Merge S168813-1.10-P branch (BTS). • REQ-14293 - Merge S168813-1.6.1_B01CKD . • REQ-13769 – The setting"Lock while offline" can be set to [ms].
1.11.1	15.07.2020	Bug Fixes: • PRR-16232: Workpiece number in workpiece admin was limited to 32 characters instead of 39
1.11.2	17.08.2020	Bug fixes: • PRR-16358 - Barcode is not visible in run screen, but can be seen in bus monitor • PRR-16369 - Cellcore the setting for the remote start cannot be selected
1.11.3	10.12.2020	Bug Fixes: • PRR-16962 - Two CellCore Tools with same IP address are interchanged - Wrong SI data is accepted
1.11.4	04.02.2021	Bug Fixes: • PRR-17066 - Skoda Issue - Two Battery tools - remote start - tool dont tighten when pg is changed via open protocol • PRR-17191 - OpenProtocol reports wrong stage if relax stage is missing in result • PRR-17202 - Wrong MID 0061 reporting if release stage is active in Battery Tool

1.12.0	08.07.2020	New functionality: • REQ-13793 - Add TSnet test in HW Test • REQ-13949 - Merge MID 0061 rev. 501 (1.9-N branch) • REQ-14006 - Merge 1.10-M, -N, -O, -Q branches • REQ-14678 - Support MID 410 and MID 411 • REQ-14752 Merge 1.7.0-M01 branch • REQ-14759 - Show used network settings if DHCP enabled in Communication screen input fields • REQ-14768 - Merge 1.10-O (Wireless Socket Tray) • REQ-14706- Implement required patches Bug fixes: • PRR-14515 - SI data of previously installed tool is shown as online • PRR-15151 - Reassingment of tool is not proper functional if before assigned to other controller • PRR-15697 - Controller hang up after motherboard hardware test • PRR-15701 - Sequence 51 When activating Nut Slip Off Monitoring Anti Necking gets activated as well • PRR-15906 - LiveWire high torques values do not work anymore
1.11.5	12.02.2021	Bug Fixes: • PRR-17041 – Trace Recording setting are now working again for LiveWire tools.
1.12.1	08.03.2021	Bug fixes: • PRR-17491 – Input/Output bitmask parameters in advanced linking wrong after software update to 1.12.0
1.12.2		New functionality: • REQ-15204: Merge S168813.1.4.12-F • REQ-15372: The Report tightening status for "MID0061" is implemented according to FEP spec. The MID revision here is irrelevant. Bug fixes: • PRR-17522: TCPClient would crash after activating TorqueNet • PRR-17864: OpenProtocol MID 12 and XML parameter export would abort with error • PRR-17884: Workpiece administration parameters from pre-1.11 were not converted properly • PRR-17886: No stop message was sent to RundownData if job was finished NOK

| 1.13.0 | 12.07.2021 | New functionality:
• REQ-15366 - Support for Celltek tool
• REQ-15365 - Added Blink in Reverse LED support for akkutool on mPro software side
• REQ-15364 - Merge 1.11.4
• REQ-15374 - Merge 1.12.1
• REQ-15500 - Merge 1.12.2

Bug fixes:
• PRR-17414 – Previously it was not possible to update tool software for CellTek and Cellcore via mPro – now support software update for CellCore and Celltek is done
• PRR-17447 – Wireless tools as noted as "Cleco Cordless Tool" during installation of battery tools
• PRR-17057 – Previously it was not possible to change wlan settings of tools via TCP/IP in mpro, now this feature is supported. PRR-17357 – Latched Remote Start option is now disabled properly for Cordless tools as they do not support
• PRR-17053 – Seq 31/51 send right MaxTime & MinTime to Measuring Card is fixed.
• PRR-15551 – Touch up and Error handling parameter error after factory reset is properly loaded on mPro.
• PRR-17496 – Prevailing Torque (PVT) is shown for Seq 32 in runscreen
• PRR-17901 – Open protocol Job Status issue reported by customer FCA-Italy/India in MID 35 - 61 is fixed
• PRR-18273 – Controller Lockup when input signal status is changed during rundown reported by customer Volvo is fixed
• PRR-17574 – TMA software version revision for battery tool is displayed correctly on system bus
• PRR-17592 – Tool used to get lock after receiving barcode as described in this PRR is fixed.
• PRR-17598 – Tool status was not synchronized properly between mPro & mPro Remote issue is fixed
• PRR-17625 – mPro got slower sometimes due to signal queue mishandling is fixed
• PRR-17704 – Battery threshold notification for battery tools are updated with levels "Low, High & Medium"
• PRR-17796 – Maintenance warning & limit status is correctly displayed to user
• PRR-17938 – Various mPro Remote Crashes are fixed
• PRR-17938 – correct rf settings options are displayed for TCP/IP connection after tool is identified
• PRR-17980 – Saving/loading of application via XML is fixed
• PRR-17993 – PATCH_224 is added
• PRR-18003 – status of Tool in various cases like uninstall/install (see PRR for various cases) etc are correctly displayed.
• PRR-18016 – Transmit power setting for CellCore & CellTek is disabled as it is not supported
• PRR-18043 – Tool light setting while rundown is now available for Livewire tools
• PRR-18044 – XiBase is updated so that it handles Chinese characters correctly
• PRR-18301 – Process Schraube crash / rundown crash is fixed while MID 128 with skip result active in "In Linking Step" mode
• PRR-04391 – Torque graph is correctly displayed in various stage case (gap between stages are removed) |
| 1.13.1 | 17.09.2021 | Bug fixes:
• PRR-18007 – CQA-5604 – parameter reset while booting due to multiple ofmpro connections
• PRR-18559 – Neotek scanner deactivated after controller restart
• PRR-16590 – Dynamic current calibration is used only after app change
• PRR-18601 – Default redundancy is set to Resolver Angle
• PRR-18587 – MID40/41 delayed response
• PRR-18439 – PRR-18439 - 'Use selected Tq unit..'' not implemented for ASCII Telegram 2
• PRR-18437 – I-Wrench: switching to FtLbs and back does not work as expected
• PRR-18304 – Cannot accept VIN number from OP (MID 50 / 150)
• PRR-18258 – VIN cleared at batch done even in Part ID "Enabled" mode
• PRR-18065 – Scanner for CellTek deactivated after changing IP
• PRR-18125 – schraube crash after barcode with wrong length |

1.13.2	28.01.2022	Bug fixes: • PRR-18995 - Unexpected barcode while tool is offline • PRR-19090 - Connection with LiveWire tool not stable • PRR-19124 - Print crashes when printing IO parameter to text file • PRR-18364 - Stage number wrong in export • PRR-18782 - Wrong fastener ID recorded in archive • PRR-18715 - MID 35 missing or too late • PRR-19031 - Writing MFU data not possible • PRR-18057 - SA Error with Remote Start (Tool lock failed) • PRR-19087 - ° character wrong with TPS • PRR-19027 - Linking group number not refreshed on run screen • PRR-18791 - Loosening always possible if loosening app is used • PRR-18913 - Different Job/application displayed than selected on mProRemote • PRR-18994 - MID1019 slower than 1000 ms • PRR-19113 - Offline cordless tools recognized as online
1.14.0	15.07.2022	• REQ-16048: Implementation of MID0900 open protocol for Angle/Torque trace curve • REQ-16128 - Support TMA Remote Start for Linking modes • PRR-18362: F1 button cannot be used to operate barcode scanner • PRR-18363: Unexpected barcode error when changing sequence program • PRR-19568: Workpiece Picture not updated correctly: tightening position are now updated correctly. • PRR-19685 - VIN input source not granted at SQS Test with 2 tools.
1.14.1	30.09.2022	• PRR-19931 – OpenProtocol crash with MID 64 Tightening ID 0 • PRR-20013 – Linking generated NOK in some cases if external linking selection with PLC was used. • PRR-20067 - Seq 80 OR option does not work with Std SW and TPS 2.5.1
1.14.2	07.12.2022	• REQ-16339 - Implement MID61 batch status running at field 22 • PRR-19130 –Current value used from previous tool after tool swap - causing IRED errors (Q-Version only) • PRR-20231 - mPro slow and old Tool SN shown (Q-Version only)
1.14.3	25.04.23	• REQ-16464 – Automatic acceptance of new tool settings. • PRR-19423 - Reject release can not be acknowledged with Linking Advanced with Scan Part ID Step • PRR-19718 - Sometimes Parameters of CellCore needed to be accepted again after restart controller. • PRR-19931 - 813 - HBPO Vaihingen - FEP crash at GetCalTqFromArchiveRecord() • PRR-20036 - 813 - HBPO Vaihingen - Tool Setup Screen slow • PRR-20097 - 813 - Barcode deleted! at Daimler Thailand MBCKD • PRR-20154 - 813 - HBPO Vaihingen - Cannot deactivate Maintenance Service message • PRR-20228 - 813 Q SW Dynamic Current Calibration not reset after tool swap or chaging calibration values • PRR-20233 - 813 Q SW Speed Reduction not disabled • PRR-20309 - MB Marienfelde Timeout Spiegelung Takt und PG • PRR-20605 - Q SW - Tightening Counter in MID 41 Counter keeps incrementing even after spindle swap • PRR-20610 - AMG UK - last position zero with remote start • PRR-20636 - Q SW - Tool serial changed message in endless loop • PRR-20646 - Bug of printing parameter for ProfiNet and Ethernet • PRR-20818 - PSET_DATA_UPLOAD_REQUEST revision 2 • PRR-20884 - CT Barcode Scanner Issue (Same as PRR-20955) • PRR-20962 - Seq 56 highlighting in programming wrong after toggling graph mode
1.14.4	30.05.23	• PRR-21154 - Touchup settings reverted after each restart

1.16.0	25.09.23	- REQ-16406 - Add support for CellClutch setting. - REQ-16234 - Calibrated Torque in tool setting should be grayed out. - REQ-16517 - Support OP MIDs for CellClutch - REQ-16194 - Visual tool errors - REQ-16191 - Introduce CellClutch tool type. - REQ-16190 - OK NOK for CellClutch - REQ-16193 - Support batch counter / timeout - REQ-16407 - Add support of a new sequence configuration for cellclutch - REQ-16192 - Support CellClutch version of LiveWire communication - REQ-16490 IPM : From version5 the Life telegram is sent every 5 minutes. - REQ-16486 IPM: Additional ID can be sent with different options. - PRR-19261 Controller does not update the App to be used - PRR-20101 - The Tool still disabled with Reject Release after JOB NOK. - PRR-20347 - F1 button (left button) on CellTek could activate scanner - PRR-20449 - NIO xml Files doesn't close korrekt. - PRR-20633 - 99 character barcode not possible with CellTek - PRR-20676 - Small translation issue in French : replace the name "Broches" by "Outil" - PRR-21050- Automatic SI data transfer not possible with I-Wrench - PRR-21166 - Tool Reverse Still Enabled when using External Tool Enable - PRR-21204 : Cannot reselect the same Linking Group with MID38 when "Terminate Linking Group with MID38" is activated - PRR-21241 - XML/CSV file generated without VIN - PRR-21275 - OP spec violation: Software replies to MIDs 4 and 5 - PRR-21276 - OP spec violation: MID 12 rev 2 : the error is sent in response to MID13. - PRR-21298 - OP spec violation: MID 4 references wrong MID - PRR-21301 - The "Fieldbus Tab" isn't understandable to most of the customers - PRR-21311 - MID064: FEP crashes with empty traces. - PRR-21214 - Evaluation torque in final stage OK if in limit does not work with Tool 16 - PRR-21213 - Process Schraube crash with NOK rundwons with activated Touch up - PRR-21191 - Torque Unit not updated on secondary display
1.16.1	10.10.2023	- REQ-16529 - TPS Local PG in Offline Modus: If the TPS connection is aborted, the local PGs are deleted after the configured Timeout has expired. - REQ-16523 Offline TPS 2.1: If the TPS connection is aborted, the MID1019 should have information if the PG has already been loaded and could be used. - PRR-21573 - If the parameters are loaded back after factory reset, the I-Wrench is rewritten as secondary in the tool setup. - PRR-21391 - mPro400 - M40 Ethernet/IP module not working.
1.16.2	19.10.2023	PRR-21723- Installationsfehler is displayed after software update to version 1.16.1-Std
1.16.3	06.03.2024	- REQ-16740 - MID0061 – Send Batchstatus without "Batch running". - PRR-15150 - After tool exchange with same model type Tool settings not proper accept. - PRR-19812 - Tool exchange with same tool type - incorrect status in Tool Setup. - PRR-20587 - mPro sw crashes when very high value for evaluation torque is used. - PRR-21171 - Screen turns black under the chinese language. - PRR-21540 - Seq. 97 time-controlled rundown: Angle out of tolerance displayed with rundowns > 65535°. - PRR-21624 - Displayed in GUI in "IP Address/HostName *" when installing a cordless tool. - PRR-21735 - Tool stopps in 1st stage with TMAX error. - PRR-21900 - The Part-ID is not mirrored if the Input "Tool Group Enable" is set. - PRR-21907 - Default parameter for backoff CellClutch are 0%. - PRR-21978 - Default Setup Values for Clutch. - PRR-22074 – Linking mode: Liwewire Tool sends double result of the last position after reconnecting. - PRR-22083 – the Message "waiting for socket selection" pop up though no socket tray is configured. - PRR-22086 – CSV file is not set after NOK result. - PRR-22115 - Workpiece number not always displayed in Archive. - PRR-22116- OP MID-0076 incorrect with I-Wrench. - PRR-22171- Basic Programming needs confirm changes although nothing changed.

1.16.4	19.03.2024	• REQ-16754-Barcode Position Selection: Now it is possible to accept shorter workpiece number as selected. • REQ-16760 MID0061 Revison 4: Added option to transmit VIN Number with Max.39 chars into VIN and VIN2. • REQ-16776 XML/CSV Data Transmission: CSV file content extended with "CsvResultId" number. Helps to identify that there were two results within one second. • REQ-16777-Tubenut left rotation settings: The max torque of the opening cycle/left rotation is now at least 0.75 Nm. Solves issues with very small tool capacities.
2.0.5	03.06.2024	**First version common source code for mPro300 and mPro400** • Support both screen sizes with mPro Remote. mPro Remote is now using 4:3 screen format for the MPSW for better usability. • Added support for 250 applications • Added support for 250 jobs • Added support for 250 bitmaps • Added new languages Slovak and Serbian • Synchronized features which were only available in the S168813 to the MPSW300 and visa versa. (e.g. Offline Options for TPS 2.1, M40 Ethernet IP Module, MID0061 option "Batch running", Barcode Position Selection, XML/CSV result optimizations, …) • Updated all components and modules. Parameters are upgraded from 1.x version to the 2.x version. But it's NOT possible to load parameter from the 2.x version to a 1.x version (downgrade).
2.1.0	19.07.2024	New Features / Enhancements: • Req-15411, Req-15767, Req-15769, Req-15770, Req-15771, Req-15772, Req-16731: Added TPS version 3.2. • Req-16801-Added controller reboot button in diagnostic menu. • Req-15783 - Changed Tab Name in Communications menu from Fieldbus to Protocol Settings. Bugs fixes: • PRR-22176 –Livewire Tool: Only 21 Byte from the Part ID are mirrored to the PLC. Now is possible to mirror the whole Part ID. • PRR-22202 –SEQ 31: The Red Evaluation Boxes for pass fail windows in the torque graph with two traces y-axis (Toque, Torque Red) do not display correctly of the controller screen: Now the both graph are displayed with the same scaling. • PRR-22582 -Chinese not working correctly on statistics menu. Now • PRR-22593 - License Manager button is visible in the mPro300. • PRR-22650, PRR-22719 - VIN disappears if the same Linking number is sent again. Now only the linking number is reset. • PRR-22663, PRR-22723 - TCP Client with error message Bad length, when a new PG is set during the Tightening. Now the TCP Telegram is set correctly to the TorqueNet. • PRR-22664 - MID 0071: Sometimes the error 139 is not sent after the Tool is Disabled. Now the error 139 is sent for one time. • PRR-22724 – Display flickering when booting up the controllers.
2.0.6	02.08.2024	Main change / reason for new version: • PRR-22746 – Reduced Display flickering, especially when the controller is under heavy load. • PRR-21490 – Behaviour on the the FMK error / EMS error 22007 improved. Load situation improved, so the error is not happening that often.
2.0.7	26.08.2024	Main change / reason for new version: • REQ-16915: Update measurement card version to S168025-641-R14941 (f95490).