AtosC2 - DOT800 DOT400S2 Diagnostic and Calibration

Release notes

Release:	2.13	**Date:**	9.Apr.25
Previous Release:	2.13 B3	**Date:**	28.Jan.25
Equipment compatibility:	DOT800 - DOT400S2		

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Prot	Product		Note	
N.	**Name**	**Rel**	**Evidence**	**Comments**
1	AtosC2 Component Software	3.00		
2	Windows 7 32-bit			
3	Windows 7 64-bit			
4	Windows 10 Professional			

			AtosC2 - DOT800 DOT400S2 Diagnostic and Calibration - New Features					
Prot			**Identification**				**Note**	
N.	**Group**	**Instrument**	**Testprogram Name**	**Testprogram Rel**	**Description**	**Product Rel**	**Evidence**	**Comments**
1	Diagnostic and Calibration	ALL	ALL	-	On DOT400S2 tester, information about the interface diagnostic tool and the external instruments used has been added at the beginning of the execution in the Service Message Window.	2.13		
2	Calibration	LPE110 LPE120 LPE190 LPE130	AutoCalLpeCpe Library		Starting from AtosC2 Rel. 3.80.2.11, if the CPE010/CPE060 configuration is changed (new board insertion or boards swap), an automatic procedure is executed to recover the board-to-board skew.	2.13		
3	Diagnostic and Calibration	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.59.300.2	In case of CPE configuration is changed and digital alignment "As found" measures are out of thresholds, a specific failure test will be datalogged to clarify the condition.	2.13		
4	Diagnostic and Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.46.300.2	In case of CPE configuration is changed and digital alignment "As found" measures are out of thresholds, a specific failure test will be datalogged to clarify the condition.	2.13		
5	Diagnostic and Calibration	DiagCal Library	-	-	DYDCT116 - DOT800 16 slot diagnostic and calibration loadboard has been introduced.	2.13		
6	Diagnostic and Calibration	Interface contact	Contact Interface	1.23.330.2	DYDCT116 - DOT800 16 slot diagnostic and calibration loadboard has been introduced.	2.13		
7	Diagnostic and Calibration	DYSER	DySer DiagCalib	1.40.300.2	DYDCT116 - DOT800 16 slot diagnostic and calibration loadboard has been introduced.	2.13		
8	Diagnostic and Calibration	HPE	Hpe DiagCalib	2.39.300.2	DYDCT116 - DOT800 16 slot diagnostic and calibration loadboard has been introduced.	2.13		
9	Diagnostic and Calibration	LPE110 LPE160 LPE180	Lpe-Cvi DiagCalib	1.34.300.2	DYDCT116 - DOT800 16 slot diagnostic and calibration loadboard has been introduced.	2.13		
10	Diagnostic	DYSER010	Contact Interface	1.24.330.2	Task "Service" has been modified to test 128 CBit on DYSER010-2 optional instrument.	2.13		
11	Diagnostic and Calibration	DYSER010	DySer DiagCalib	1.42.300.2	Task "Diag_OUTC_Verify" has been modified to test 128 CBit on DYSER010-2 optional instrument.	2.13		
12	Diagnostic and Calibration	DiagCal Library	-	-	DYDCT120 - DOT400S2 20 slot diagnostic and calibration loadboard has been introduced.	2.12		
13	Diagnostic and Calibration	Interface contact	Contact Interface	1.22.330.2	DYDCT120 - DOT400S2 20 slot diagnostic and calibration loadboard has been introduced.	2.12		
14	Diagnostic and Calibration	DYSER	DySer DiagCalib	1.38.300.2	DYDCT120 - DOT400S2 20 slot diagnostic and calibration loadboard has been introduced.	2.12		
15	Diagnostic and Calibration	HPE	Hpe DiagCalib	2.37.300.2	DYDCT120 - DOT400S2 20 slot diagnostic and calibration loadboard has been introduced.	2.12		
16	Diagnostic and Calibration	LPE110 LPE160 LPE180	Lpe-Cvi DiagCalib	1.31.300.2	DYDCT120 - DOT400S2 20 slot diagnostic and calibration loadboard has been introduced.	2.12		
12	Diagnostic and Calibration	DiagCal Library	-	-	LPE121 has been managed	2.11		
13	Diagnostic	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.55.300.2	Task "Diag_Relays": Interface relay closure check has been introduced during Internal Diagnostic also.	2.11		
14	Diagnostic	LPE190	Lpe-Cpe040 DiagCalib	1.25.300.2	Task "Diag_Relays": Interface relay closure check has been introduced during Internal Diagnostic also.	2.11		
15	Diagnostic	LPE130	Lpe-Cpe060 DiagCalib	1.41.300.2	Task "Diag_Relays": Interface relay closure check has been introduced during Internal Diagnostic also.	2.11		

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AtosC2 - DOT800 DOT400S2 Diagnostic and Calibration - New Features

Prot					Identification			Note	
N.	Group	Instrument	Testprogram Name	Testprogram Rel	Description	Product Rel	Evidence	Comments	
16	Diagnostic and Calibration	LDG100	Ldg-Cdg DiagCalib	1.10.320.2	CDG051 completion	2.10			
17	Diagnostic and Calibration	LDG131p	Ldg-Cdg DiagCalib	1.09.320.2	CDG051p completion	2.08			
18	Diagnostic and Calibration	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.54.300.2	Task Diag_DutGndInterface: relay open test has been introduced	2.06			
19	Diagnostic	Interface contact	Contact Interface	1.21.330.2	Task "LPE_CPE": DutGnd check has been improved	2.06			
20	Diagnostic and Calibration	LDG100p	Ldg-Cdg DiagCalib	1.07.320.2	CDG051p has been managed	2.05			
21	Diagnostic and Calibration	LDG-CDG	Ldg-Cdg DiagCalib	1.06.320.2	CDG010 interface diagnostic has been introduced	2.04			
22	Diagnostic and Calibration	DiagCal Library	-	2.0.6.0	DYDCD071 board management has been introduced	2.04			
23	Diagnostic and Calibration	DiagCal_Loadboards	-	1.0.0.0	DYDCD071 board management has been introduced	2.04			
24	Diagnostic and Calibration	Interface contact	Contact Interface	1.19.330.2	CDG010 interface diagnostic has been introduced	2.04			
25	Diagnostic and Calibration	LDG-CDG	Ldg-Cdg DiagCalib	1.05.320.2	CDG010 has been managed	2.03			
26	Diagnostic	LPE-CVI	Lpe-Cvi DiagCalib	1.26.300.2	Awg Diagnostic has been introduced.	2.00			
27	Diagnostic and Calibration	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.46.300.2	Task: "Diag_Leakage" is now executed with interface relays open for "Internal Diagnostic In line" also.	1.93			
28	Diagnostic	LPE130	Lpe-Cpe060 DiagCalib	1.32.300.2	Task: "Diag_Leakage" is now executed with interface relays open for "Internal Diagnostic In line" also.	1.93			
29	Diagnostic and Calibration	DYSER	DySer DiagCalib	1.32.300.2	Diagnostic and Calibration results are now stored on instrument eeprom	1.90			
30	Diagnostic	DYDIZ650	Diz650 DiagCalib	2.14.300.2	Task Diag_HfFilters, new test has been introduced from El.Lev.E	1.90			
31	Diagnostic and Calibration	DYLPS200	DyLps DiagCalib	1.12.320.2	Diagnostic and Calibration results are now stored on instrument eeprom. Calib capacitance has been improved. Tasks "Check_ChannelOpen" and "Diag_InterfaceConnection" have been improved.	1.90			
32	Diagnostic and Calibration	HPE	Hpe DiagCalib	2.26.300.2	Diagnostic and Calibration results are now stored on instrument eeprom	1.90			
33	Diagnostic and Calibration	HPES100	Hpes DiagCalib	1.16.300.2	Diagnostic and Calibration results are now stored on instrument eeprom	1.90			
34	Diagnostic and Calibration	LDG-CDG	Ldg-Cdg DiagCalib	1.00.320.2	Tpgm has been introduced cover CDG channel card replacing previous tpgms Ldg-Awg DiagCalib and Ldg-Dgz DiagCalib. Diagnostic and Calibration results are now stored on instrument eeprom.	1.90			
35	Diagnostic and Calibration	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.45.300.2	Diagnostic and Calibration results are now stored on instrument eeprom. TMU high resolution adjustment (AtosC2 Rel 3.80 or higher is required).	1.90			
36	Diagnostic and Calibration	LPE190	Lpe-Cpe040 DiagCalib	1.20.300.2	Diagnostic and Calibration results are now stored on instrument eeprom.	1.90			
37	Diagnostic and Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.31.300.2	Diagnostic and Calibration results are now stored on instrument eeprom.	1.90			
38	Diagnostic and Calibration	LPE-CVI	Lpe-Cvi DiagCalib	1.24.300.2	Diagnostic and Calibration results are now stored on instrument eeprom	1.90			
39	Diagnostic	PSB600	Psb DiagCalib	1.27.240.2	SHV600 has been introduced.	1.83			
40	Diagnostic	DYSER010	DySer DiagCalib	1.31.300.2	Diag Urow interface has been introduced	1.83			
41	Diagnostic	DYDIZ650	Diz650 DiagCalib	2.13.300.2	Task "Diag_ReadStatus": oversample error check has been introduced.	1.83			
42	Diagnostic	DYDIZ650	Diz650 DiagCalib	2.12.300.2	Task "Diag_TrimConnection": open tests have been introduced Task "Diag_AcquisitionCoherentOnTrim" and "Diag_HfPrecision" disabled if AtosC2 Rel < 3.80 Task "Diag_Hf", "Diag_HfPrecision" and "Diag_HfDifferenceBetweenChannels" have been introduced	1.82			

AtosC2 - Diagnostic and Calibration - Release notes

Prot	Identification					Product Rel	Note	
N.	Group	Instrument	Testprogram Name	Testprogram Rel	Description	Product Rel	Evidence	Comments
43	Diagnostic	PTB500	Ptb5xx DiagCalib	1.20.334.2	Ptb Relay Cleaner can now be executed from Diagnostic Panel	1.80		
44	Diagnostic and Calibration	PSB600	Psb DiagCalib	1.24.240.2	PSB600 instrument has been introduced.	1.78		
45	Diagnostic	DYSER HPE	FP200 Interface Diag	1.00.300.2	FP200 Interface Diagnostic has been introduced. The HPE interface connections and DYSER LMX matrix are tested.	1.78		
46	Diagnostic	HPE	Hpe DiagCalib	2.24.300.2	FP200 has been introduced.	1.78		
47	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.19.334	- PTB Library 4.12 has been manged - PTB El.Lev. H has been managed	1.76		
48	Diagnostic and Calibration	-	Diagnostic and Calibration Library	1.95	The system model "DOT800TM210-DCCR201" has been managed. DCF440-60 loadboard has been managed.	1.76		
49	Diagnostic and Calibration	HVS	Hvs440_2 Hvs5xx Hvs6xx DiagCalib	1.45.200.2	The system model "DOT800TM210-DCCR201" has been managed. DCF440-60 loadboard has been managed.	1.76		
50	Diagnostic and Calibration	IPPS	Ipps DiagCalib	2.68.200.2	The system model "DOT800TM210-DCCR201" has been managed. DCF440-60 loadboard has been managed.	1.76		
51	Diagnostic and Calibration	DCF	Dcf440 DiagCalib	1.15.210.2	DCF440-60 loadboard has been managed.	1.76		
52	Diagnostic	DYSER	DySer DiagCalib	1.26.300.2	The system model "DOT800TM210-DCCR201" has been managed. DCF440-60 loadboard has been managed.	1.76		
53	Diagnostic	DYDIZ650	Diz650 DiagCalib	2.11.300.2	Task Diag_ReadStatus: Status flag test has been introduced	1.72		
54	Diagnostic	PTB500	Ptb5xx DiagCalib	1.17.334	PTB Library 4.11 has been manged	1.70		
55	Diagnostic and Calibration	LPE110-LPE180-LPE190	Lpe-Cvi DiagCalib	1.14.300.2	The task "Diag_InterfaceConnection" has been modified to cover the short circuit sense matrix point	1.70		
56	Diagnostic and Calibration	HVS	Hvs440_2 Hvs5xx Hvs6xx DiagCalib	1.43.200.2	DOT800 H2300 interface has been introduced	1.69		
57	Diagnostic	PMTX	Pmtx Diag Rel	1.20.210.2	Pmtx diagnostic has been introduced	1.69		
58	Diagnostic and Calibration	DYSER	Dyser DiagCalib	1.22.300.2	DOT800 H2300 interface has been introduced	1.69		
59	Diagnostic and Calibration	SVAFM210 SVAFM220	Svafm210 DiagCalib	1.20.300.2	Capacitance calibration at 1Mhz	1.68		
60	Spot Calibration	LPE110 LPE120 LPE130	RuntimeSpotCalibration Library	1.17	Digital sensor calibration has been introduced for LPE-CPE010 and LPE-CPE060	1.68		
61	Diagnostic	PTB500	Ptb5xx DiagCalib	1.16.334	- Tests PSEZ & NSEZ have been added to PTB_PowerSwitchContact_Check Task - The Task IPPS_Connection_Check has been added - The Task HVS_Connection_Check has been added	1.67		

AtosC2 - Diagnostic and Calibration - Release notes

					AtosC2 - DOT800 DOT400S2 Diagnostic and Calibration - New Features			
Prot					**Identification**		**Note**	
N.	**Group**	**Instrument**	**Testprogram Name**	**Testprogram Rel**	**Description**	**Product Rel**	**Evidence**	**Comments**
62	Diagnostic and Calibration	LPE110-3	DiagCal Library	1.91	LPE110-3 has been introduced	1.67		
63	Diagnostic	LPE110	Lpe-Cpe010 DiagCalib	1.37.300.2	Task Diag_FIFO: CLK_RUN mode has been tested from AtosC2 Rel 3.70	1.66		
64	Diagnostic	LPE130	Lpe-Cpe040 DiagCalib	1.37.300.2	Task Diag_FIFO: CLK_RUN mode has been tested from AtosC2 Rel 3.70	1.66		
65	Diagnostic	LPE190	Lpe-Cpe060 DiagCalib	1.17.300.2	Task Diag_FIFO: CLK_RUN mode has been tested from AtosC2 Rel 3.70	1.66		
66	Diagnostic and Calibration	HPES100	Hpes DiagCalib	1.12.300.2	Task DRV_Reference_Vs_Earth() theshold improvement	1.64		
67	Diagnostic and Calibration	TRSER	TrSer010 DiagCalib	1.11.300.2	Loadboard DCT272 (TRDCT031) has been managed.	1.63		
68	Diagnostic and Calibration	LPE110-LPE180-LPE190	Lpe-Cvi DiagCalib	1.18.300.2	Tpgm recompiled with "Large Address Aware" option enabled.	1.60		
69	Diagnostic and Calibration	-	Diagnostic and Calibration Library	1.85	The library has been migrated from C++ Builder 6 to CodeGear 2007 to support "Large Address Aware" option at compile time	1.60		
70	Diagnostic	LPE120	Lpe-Cpe010 DiagCalib	1.35.300.2	LPE120 has been introduced	1.60		
71	Spot Calibration	All	RuntimeSpotCalibration Help	-	AtosC2 Runtime Spot Calibration help has been introduced.	1.59		
72	Diagnostic and Calibration	HPES100	DiagCal Library	1.84	The DYDCD090 module daughter board for HPES100 has been managed.	1.58		
73	Spot Calibration	LPE110 LPE130 LPE190	RuntimeSpotCalibration Library	1.13	V-I Readback Runtime Spot Calibration has been introduced.	1.58		
74	Diagnostic	PSB200 PSB500 PSB600V1	Psb Diag	1.18.240.2	Diagnostic of Contact Units using I/O expanders for diagnostic relays closing.	1.58		
75	Diagnostic	DYLPS200	DyLps DiagCalib	1.05.320.2	Task "Diag_SupplyNoise" has been added	1.58		
76	Diagnostic	DYSER	Dyser DiagCalib	1.19.300.2	Diag_LMX_Interface has been introduced. Its required the loadboard daughter board DYDCD012	1.58		
77	Diagnostic	Magna-Power model XR8000	HV Generator Diag	1.01.200.2	Magna-Power model XR8000 test has been introduced. A 4000V readback test is performed. The intrument GPIB address is 14.	1.56		
78	Calibration	External multimeter HP3458A	External Multimeter Manager Library	1.00	The external multimeter HP3458A LAN management has been introduced. The External Multimeter Manager Library has been introduced to manage the Prologix Ethernet to GPIB adapter.	1.55		

AtosC2 - Diagnostic and Calibration - Release notes

Prot	Identification					Note	
N.	Group	Instrument	Testprogram Name	Testprogram Rel	Description	Product Rel	Evidence	Comments
79	Diagnostic	PTB500	Ptb5xx DiagCalib	1.11.334	The following tasks has been added: - GateDriver_Connection_Check - GateDriver_CU_Connection_Check	1.55		
80	Diagnostic	PSB200 PSB500 PSB600V1	Psb Diag	1.16.240.2	HVS621 has been introduced	1.55		
81	Diagnostic	Chroma model 19057-20	HV Generator Diag	1.00.200.2	Chroma model 19057-20 test has been introduced. A 20000V readback test is performed. The intrument GPIB address is 13.	1.55		
82	Diagnostic and Calibration	HVS	Hvs440_2 Hvs5xx Hvs6xx DiagCalib	1.37.200.2	HVS621 has been introduced	1.55		
83	Diagnostic	TRDCT	Trdct Diag	1.03.300.2	Message improvement in case of svafm absent	1.55		
84	Diagnostic and Calibration	SVAFM210 SVAFM220	Svafm210 DiagCalib	1.17.300.2	Preliminary contact check has been introduced before Interface diag execution	1.53		
85	Diagnostic and Calibration	LPE110-LPE190	Lpe-Cpe010 DiagCalib	1.30.300.2	Current rbk calibration at -64mA	1.52		
86	Diagnostic	PSB600V1	Psb Diag	1.14.240.2	PSB600V1 instrument has been introduced.	1.47		
87	Calibration	DYSER	DiagCal Library	1.74	External meter shield connection check has been introduced.	1.45		
88	Diagnostic and Calibration	DYLPS200	DyLps DiagCalib	1.00.320.2	The DYLPS200 diagnostic and calibration has been introduced.	1.45		
89	Diagnostic and Calibration	DYLPS200	DiagCal Library	1.73	The DYDCD050 module daughter board for DYLPS200 has been managed.	1.44		
90	Diagnostic	PSB500	Psb Diag	1.13.240.2	Task Diag_IPPS_Connections, test 9017 - 9048 are executed with IPPS instruments forcing their maximum current at the same time. Previous testers were using up to 3 IPPS instruments (3000 A), now up to 4 IPPS instruments can be installed (4000 A).	1.43		

AtosC2 - Diagnostic and Calibration - Release notes

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AtosC2 - DOT800 DOT400S2 Diagnostic and Calibration - New Features

Prot	Identification					Product Rel	Note	
N.	Group	Instrument	Testprogram Name	Testprogram Rel	Description	Product Rel	Evidence	Comments
91	Calibration	LPE190	Lpe-Cpe040 DiagCalib	1.01.300.2	The following tasks has been introduced on the CPE040 board: - "Calib_VoltageMeter" - "Calib_CurrentGeneratorCurrentMeter" - "Calib_CurrentClamp" - "Calib_DigitalActiveLoadCurrent" - "Calib_DigitalActiveLoadVcom"	1.43		
92	Diagnostic	LPE190	Lpe-Cpe040 DiagCalib	1.01.300.2	The following tasks has been introduced on the CPE040 board: - "Diag_DvmPrecision" - "Diag_DvmMaxSwing" - "Diag_Ramp" - "Diag_DigitalActiveLoadCurrent" - "Diag_DigitalActiveLoadVcom" - "Diag_Tmu" - "Diag_Trigger" - "Diag_DigitalAcqMemoryPattern"	1.42		
93	Diagnostic and Calibration	LPE110-LPE180-LPE190	Lpe-Cvi DiagCalib	1.14.300.2	The task "Diag_Iclamp_osc" has been introduced on the CVI010 board to cover the VI source oscillation, due to a manufacturing issue of the heat sink passivation.	1.41		
94	Diagnostic and Calibration	DYGEN660-DYGEN670	Gen660 Gen670 DiagCalib	1.14.220.2	The new "HwCheck" task verify the module electrical level. In case of electrical lev. B or following the diagnostic and calibration can be executed with the DCFDOT800 loadboard.	1.40		
95	Diagnostic	DYPPMU660	Ppmu Diag	7.72.200.2	Diagnostic and calibration can be executed on the DOT interface, using the DCFDOT800 loadboard.	1.40		
96	Diagnostic and Calibration	DYDIZ650	Diz650 DiagCalib	2.07.300.2	Diagnostic and calibration can be executed on the DOT interface, using the DCFDOT800 loadboard.	1.40		
97	Diagnostic and Calibration	LPE190	Lpe-Cpe040 DiagCalib	1.00.300.2	The LPE190-CPE040 diagnostic and calibration has been introduced.	1.40		
98	Diagnostic and Calibration	DYGEN660-DYGEN670	Gen660 Gen670 DiagCalib	1.13.220.2	Diagnostic and calibration can be executed on the DOT interface, using the DCFDOT800 loadboard.	1.40		

AtosC2 - DOT800 DOT400S2 Diagnostic and Calibration - Function Completion

Prot	Identification						Note	
N.	**Group**	**Instrument**	**Testprogram Name**	**Testprogram Rel**	**Description**	**Product Rel**	**Evidence**	**Comments**
1	Diagnostic and Calibration	LDG130	Ldg-Cdg DiagCalib	1.11.320.2	LDG instrument is now the first executed instead of the last one in the following sequences: - As Found - As Found-Adjustment-As Left - Adjustment-As Left The reason for this change is to optimize the insertion sequence of the diagnostic tool. The "DYDCT120" interface diagnostic tool can now be used for LDG diagnostic and calibration.	2.13		
2	Diagnostic	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.57.300.2	Interface relay closure check has been moved from task "Diag_Relays" to task "Diag_RelaysInterf".	2.13		
3	Diagnostic	LPE190	Lpe-Cpe040 DiagCalib	1.27.300.2	Interface relay closure check has been moved from task "Diag_Relays" to task "Diag_RelaysInterf".	2.13		
4	Diagnostic	LPE130	Lpe-Cpe060 DiagCalib	1.43.300.2	Interface relay closure check has been moved from task "Diag_Relays" to task "Diag_RelaysInterf".	2.13		
5	Diagnostic	LPE110 LPE160 LPE180	Lpe-Cvi DiagCalib	1.34.300.2	Task "Diag_AWG_I" has been improved.	2.13		
6	Diagnostic	HPE	Hpe DiagCalib	2.37.300.2	Task "DRV_GangMode" has been improved. Relay cleaner routine has been improved.	2.11		
7	Diagnostic	LPE110 LPE180	Lpe-Cvi DiagCalib	1.30.300.2	Function completion AWG_V	2.11		
8	Diagnostic and Calibration	LDG131p	-	-	Signal configuration has been upgraded	2.09		
9	Diagnostic	HPE	Hpe DiagCalib	2.34.300.2	Relay cleaner procedure has been introduced inside "DRV_Connection_Internal" task.	2.06		
10	Diagnostic	LPE110 LPE180	Lpe-Cvi DiagCalib	1.29.300.2	The following tasks have been speeded up: - Diag_AWG_V - Diag_AWG_I	2.06		
11	Autocal	HPES	AutoCalHpes	-	The HPES100A instrument has been introduced.	2.05		
12	Diagnostic	HPE	Hpe DiagCalib	2.30.300.2	The HPE104A-2 instrument has been introduced.	1.99		
13	Diagnostic	HPE	Contact Interface	1.16.330.2	The HPE104A-2 instrument has been introduced.	1.99		
14	Diagnostic	PSB500 PSB600	Psb DiagCalib	1.31.240.2	The HPE104A-2 instrument can now be used to execute Psb diagnostic.	1.99		
15	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.31.334.2	- New contact units have been added. - Tasks GateDriver_Dynamic_Check and PXI_VCE_Adj have been improved - Task PXI_IGE_Adj has been introduced	1.99		
16	Diagnostic and Calibration	GEN660 GEN670	Gen660 Gen670 DiagCalib	1.20.284.2	The task "SBUS_Link" has been modified for DOT 20 slot management	1.97		
17	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.30.334.2	New contact units have been added.	1.97		
18	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.26.334.2	The following tasks have been improved:	1.96		

19	Diagnostic	PSB600	Psb DiagCalib	1.29.240.2	PSBPGD600 gate driver board electrical level C management.	1.96	
20	Calibration	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.46.300.2	TMU Calibration high resolution improvement	1.96	
21	Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.35.300.2	TMU Calibration high resolution improvement	1.96	
22	Diagnostic and Calibration	HPE	Hpe DiagCalib	2.28.300.2	HPE 4 has been managed on DOT800T.	1.94	
23	Diagnostic and Calibration	HPE	Hpe DiagCalib	2.27.300.2	DCF440-31 has been managed.	1.93	
24	Diagnostic and Calibration	IPPS	Ipps DiagCalib	2.71.200.2	DCF440-31 has been managed.	1.93	
25	Diagnostic and Calibration	HVS	Hvs440_2 Hvs5xx Hvs6xx DiagCalib	1.47.200.2	DCF440-31 has been managed.	1.93	
26	Diagnostic	DYSER	DySer DiagCalib	1.33.300.2	DCF440-31 has been managed.	1.93	
27	Diagnostic	DCF440	Dcf440 DiagCalib	1.16.210.2	DCF440-31 has been managed.	1.93	
28	Diagnostic	Interface contact	Contact Interface	1.13.330.2	DYSER020 has been managed.	1.93	
29	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.25.334.2	The following tasks have been improved: - "HvAttenuator_Measure"	1.92	
30	Diagnostic	Interface contact	-		The inteface view layout shown by Channel Pin Locator in case of open pogo pins has been rotated by 180 deg, now slot 1 is on the upper side.	1.91	
31	Diagnostic	Interface contact	Contact Interface	1.12.330.2	Memory management has been improved.	1.83	
32	Diagnostic	SVAFM	Svafm210 DiagCalib	1.24.300.2	CMRR Capacitance: thresholds have been modified according to new datasheet	1.82	
33	Diagnostic	PSB200 PSB500 PSB600V1 PSB600	Psb Diag	1.26.240.2	The program asks for mechanical sample connection if required by the contact unit. Diagnostic improvement on PSB600 contact unit HV.	1.82	
34	Diagnostic and Calibration	PTB200	Ptb2xx DiagCalib Rel	3.36.334.2	- PTB Library 4.10 management. - New Contact Units have been added. - Task DiagBus_Check improvement - Adjustment improvement	1.82	
35	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.23.334.2	- Different PTBPGD5x0 can be now of Different electical levels (A and B) - New Contact Unit has been added.	1.82	
36	Diagnostic	DYGEN660	Gen660 Gen670 DiagCalib	1.19.284.2	Task "GHFC100_ClockFromTimebase" has been introduced	1.80	
37	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.20.334.2	New Contact Units have been added.	1.72	
38	Diagnostic and Calibration	HPES100	Hpes DiagCalib	1.14.300.2	Task DRV_Reference_Vs_Earth() has been made compatible with both 50/60 Hz Task RBK_I_CMRR_DiagCalibChar() hold thresholds has been changed	1.72	
39	Diagnostic and Calibration	IPPS	Ipps DiagCalib	2.67.200.2	Task Impedance vs Earth has been made compatible with both 50/60 Hz	1.72	
40	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.18.334.2	New Contact Units have been added.	1.71	
41	Diagnostic	PSB200 PSB500 PSB600V1	Psb Diag	1.23.240.2	The following tester connections modification is managed: - PSU1 connected instead of MPS SECT6 - PSU2 connected instead of MPS SECT7	1.68	
42	Diagnostic and Calibration	DYLPS200	DyLps DiagCalib	1.09.320.2	Execution time reduction	1.67	

43	Diagnostic and Calibration	IPPS	Ipps DiagCalib	2.66.200.2	The following system models have been managed: - DOT800TM210-DC - DOT800TM210-AC	1.67		
44	Diagnostic	PSB200 PSB500 PSB600V1	Psb Diag	1.21.240.2	The following system models have been managed: - DOT800TM210-DC - DOT800TM210-AC	1.65		
45	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.15.334.2	- DISCRETE_2PH_BOOST_RECTIFIER management has been added - DISCRETE_2PH_BOOST management has been added	1.65		
46	Diagnostic	DYDIZ650	Diz650 DiagCalib	2.10.300.2	Task Diag_Acquisition has been modified, AtosC2 Rel 3.60pD and El.Lev. B have been managed.	1.63		
47	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.14.334.2	The following tasks have been improved: "GateDriver_Dynamic_Check"	1.63		
48	Diagnostic	TRDCT	Trdct Diag	1.05.300.2	TRDCT031 has been managed.	1.63		
49	Diagnostic	HPE100	Hpe DiagCalib	2.19.300.2	TRDCT031 has been managed.	1.63		
50	Diagnostic	Interface contact	Contact Interface	1.09.330.2	Task "LPS" has been improved to be compatible with last AtosC2 modification on patch D	1.63		
51	Diagnostic and Calibration	HVS PSA IPPS	-	-	HVS, PSA and IPPS instruments diagnostic and calibration is now available on DOT800TM100-AC system model.	1.62		
52	Calibration	All	-	-	The calibration data store is no more done by default on failing instruments. As before the "advanced" panel continue to allow this setting change.	1.61		

53	Calibration	PTB500	Ptb5xx DiagCalib	1.13.334.2	Calibration Task PXI_VCE_Calib improvement.	1.60		
54	Diagnostic	HPE100	Hpe DiagCalib	2.18.300.2	The HPE in slot1 is now accepted on DOT800T (the interface diagnostic require specific cables).	1.60		
55	Diagnostic	PSB200 PSB500 PSB600V1	Psb Diag	1.20.240.2	The used HPE slot is now the detected one.	1.60		
56	Diagnostic	Interface contact	Contact Interface	1.08.330.2	Interface contact and spring analysis have been introduced on the following instruments: - DYLPS200 - DYSER010-1 (LMX)	1.58		
57	Diagnostic	Interface contact	Contact Interface	1.06.330.2	Spring analysis has been introduced on the following instruments: - DYSER010 (Outc) - DYSER010 (Psu)	1.15		
58	Calibration	LPE190	Lpe-Cpe040 DiagCalib	1.15.300.2	Task "Calib_DigitalDriver" has been improved	1.57		
59	Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.17.300.2	AtosC2 3.60pA compatibility management.	1.57		
60	Calibration	LPE110 LPE190	Lpe-Cpe010 DiagCalib	1.34.300.2	AtosC2 3.60pA compatibility management.	1.57		
61	Diagnostic	Interface contact	Contact Interface	1.05.330.2	Spring analysis has been introduced on the following instruments: - HPE100 - HMX100	1.57		
62	Diagnostic and Calibration	DYLPS200	DyLps DiagCalib	1.04.320.2	Diagnostic and calibration completion.	1.56		
63	Diagnostic and Calibration	SVAFM210	Svafm210 DiagCalib	1.18.300.2	- Capacitance Meter: R500pF calibration has been introduced - Voltage Meter: R1V, R500mV, R200mV, R50mV, R20mV calibration has been introduced	1.55		
64	Diagnostic	PTB500	Ptb5xx DiagCalib	1.11.334	- PTB Library 4.10 management. - New Contact Units have been added.	1.54		
65	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.10.334.2	New Contact Units have been added.	1.54		

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66	Diagnostic and Calibration	SVAFM220	Svafm210 DiagCalib	1.16.300.2	- DFT298 interface tool has been managed - Voltage Meter Calibration has been introduced on all range - Preliminary contact check has been introduced before calibration procedure - Current Meter Calibration R10nA, R100nA, R1uA has been introduced	1.53		
67	Diagnostic and Calibration	-	Diagnostic and Calibration library	1.81	Function "dlsHmx100" has been introduced.	1.52		
68	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.09.334.2	The adjustment data backup has been created under The following folder: C:\ATOSC2\WKSINFO\Config\PTBCalibBackup	1.50		
69	Diagnostic and Calibration	HPE100	Contact Interface	1.03.330.2	HMX Interface check has been enabled for the HPE100-2 model.	1.50		
70	Diagnostic and Calibration	HPE100	Hpe DiagCalib	2.14.300.2	HMX Interface check has been enabled for the HPE100-2 model.	1.49		
71	Diagnostic and Calibration	HPES100	Hpes DiagCalib	1.07.300.2	The DVM LV Filters test has been modified in order to improve the stability. The VI Source KV and the DVM KV tests has been enabled on the HPES100 module electrical level B.	1.48		
72	Diagnostic and Calibration	LPE190	Lpe-Cpe040 DiagCalib	1.10.300.2	CPE040 Diagnostic and calibration completion.	1.48		
73	Diagnostic and Calibration	-	Diagnostic and Calibration library	1.75	External multimeter shield connection check has been introduced.	1.47		
74	Diagnostic and Calibration	PTB200	Ptb2xx DiagCalib	3.34.334.2	PTB Library 4.06 management.	1.47		
75	Diagnostic and Calibration	DYSER010	DySer010 DiagCalib	1.15.300.2	Trim IMG500 has been managed.	1.47		
76	Diagnostic and Calibration	LPE110	Lpe-Cvi DiagCalib	1.15.300.2	Trim IMG500 has been managed.	1.47		
77	Diagnostic and Calibration	LPE110	Lpe-Cpe010 DiagCalib	1.20.300.2	Trim IMG500 has been managed.	1.47		
78	Diagnostic and Calibration	HPE100	Hpe DiagCalib	2.13.300.2	Trim IMG500 has been managed.	1.47		

79	Diagnostic and Calibration	TRIM IMG500 Loadboard	DiagCal Library	1.74	Trim IMG500 has been managed.	1.47		
80	Diagnostic and Calibration	TRIM IMG500 Loadboard	Trdct040 Diag	1.00.300.2	TRDCT040 loadboard diagnostic has been introduced.	1.46		
81	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.08.334.2	El.lev. F management.	1.46		
82	Diagnostic and Calibration	PTB	PTB Library	4.05	PTB Library 4.05 management.	1.45		
83	Diagnostic and Calibration	LDG130	Ldg-Dgz DiagCalib	1.07.320.2	Immediate acquisition mode has been improved.	1.43		
84	Calibration	External counter management	DiagCal Library	1.72	Counter Agilent 53220A management has been modified to always use Agilent specific VISA implementation.	1.42		
85	Diagnostic and Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.11.300.2	Task "Diag_Tmu" of the CPE060 board has been improved.	1.40		
86	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.05.334.2	General improvements on Contact Unit messages. The following tasks have been improved:	1.40		
87	Diagnostic and Calibration	PTB	PTB Library	4.03	PTB Library 4.03 management.	1.40		
88	Diagnostic	Interface contact	Contact Interface	1.02.330.2	General improvements.	1.40		

					AtosC2 - DOT800 DOT400S2 Diagnostic and Calibration - Solved Anomalies			
Prot					**Identification**		**Note**	
N.	**Group**	**Instrument**	**Testprogram Name**	**Testprogram Rel**	**Description**	**Product Rel**	**Evidence**	**Comments**
1	Calibration	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.57.300.2	Task "Adj_DigitalAlignment": AsFound could fail in case of reduced die list. Task "Adj_CurrentClamp" thresholds related to preliminary adj tests have been improved. Task "AsFound_CurrentGeneratorCurrentMeter" has been improved. Task "AsFound_DigitalSensor" has been improved.	2.13		
2	Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.44.300.2	Task "Calib_DigitalAlignment": AsFound could fail in case of reduced die list. Task "Calib_DigitalAlignment": TDR AsFound and AsLeft have been improved. Task "Diag_VoltageGeneratorVoltageMeterNoise" has been improved.	2.13		
3	Calibration	LPE190	Lpe-Cpe040 DiagCalib	1.27.300.2	Task "Calib_DigitalAlignment": AsFound could fail in case of reduced die list. Task "Calib_DigitalAlignment": TDR AsFound and AsLeft have been improved.	2.13		
4	Diagnostic and Calibration	LPE110 LPE160 LPE180	Lpe-Cvi DiagCalib	1.34.300.2	Task "Calib_DRV_TriggerI" has been improved Task "Diag_AWG_V" could give abnormal fail	2.13		
5	Diagnostic and Calibration	DYLPS200	DyLps DiagCalib	1.18.320.2	Task "Diag_UserAlarm" could give abnormal fail	2.13		
6	Diagnostic	DYSER	DySer DiagCalib	1.38.300.2	Task "Diag_DVM" could give abnormal fail	2.13		
7	Calibration	LPE-CPE	ExtInstruments Library	2.13	External Counter recognition has been improved.	2.13		
8	Diagnostic and Calibration	DYLPS	GenPurpose Library	2.13	Task "Diag_RBK_V" on DYLPS could give abnormal fail.	2.13		
9	Diagnostic and Calibration	All	DiagCalAutoCal Library	2.13	AtosC2 checking equiment status could give abnormal fail	2.13		
10	Diagnostic and Calibration	DYLPS	DiagCalUtility Library	2.13	Task "Diag_SETUP_Ramp" on DYLPS could give abnormal fail.	2.13		
11	Diagnostic	LPE130	Lpe-Cpe060 DiagCalib	1.43.300.2	Task "Diag_DigitalRout" has been improved	2.13		
12	Diagnostic	HPE	Hpe DiagCalib	2.38.300.2	Relay cleaner routine could crash printing debug information on Service Window.	2.13		
13	Calibration	DYSER	DySer DiagCalib	1.38.300.2	Task "Adj_DVM" calculation CMRR data has been corrected	2.12		
14	Diagnostic and Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.42.300.2	In case of CPE060 cards calibration executed with AtosC2 Rel. 3.80 or subsequent, the Task "Diag_CurrentClamp" could fail running the diagnostic with AtosC2 Rel. 3.70 or previous. Task "Calib_CurrentClamp" has been improved.	2.12		
15	Calibration	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.56.300.2	Task "Diag_VoltageGeneratorVoltageMeterNoise" has been removed from calibration devices since it was a debug task. Task "Adj_CurrentGeneratorCurrentMeter" has been improved. Task "AsFound_CurrentGeneratorCurrentMeter" has been improved. Task "AsFound_Tmu" and "Adj_Tmu" have been improved.	2.12		
16	Calibration	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.55.300.2	Task "Calib_Tmu": Oscillator Adj thresholds was incorrectly set as AsLeft ones. Task "Calib_Tmu": Time Interval As Found and As Left thresholds were thigther than datasheet. Task "Adj_DigitalAlignment": debug tests have been removed from datalog.	2.11		
17	Calibration	LPE190	Lpe-Cpe040 DiagCalib	1.25.300.2	Task "Calib_Tmu": Oscillator Adj thresholds was incorrectly set as AsLeft ones. Task "Adj_DigitalAlignment": debug tests have been removed from datalog.	2.11		
18	Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.41.300.2	Task "Calib_Tmu": Oscillator Adj thresholds was incorrectly set as AsLeft ones. Task "Calib_Tmu": Time Interval As Found and As Left thresholds were thigther than datasheet. Task "Adj_DigitalAlignment": debug tests have been removed from datalog.	2.11		
19	Diagnostic and Calibration	Interface contact	Contact Interface	1.22.330.2	Loadboard daughter board list was not managed correctly.	2.10		
20	Diagnostic	HPE	Hpe DiagCalib	2.36.300.2	Some dynamic function load were not managed correctly.	2.10		
21	Runtime Spot Calibration	All	RuntimeSpotCalib Library	1.19	External meter connection check during the runtime spot calibration, shown an error message if executed on Core2	2.10		
22	Diagnostic	LDG130	Ldg-Cdg DiagCalib	1.08.320.2	Task "Diag_DGZHF_ClockSource" has been fixed	2.07		

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23	Diagnostic and Calibration	All	DiagCal Library	1.19	Missing instrument string on print system configuration	2.07		
24	Diagnostic	LDG130	Ldg-Cdg DiagCalib	1.07.320.2	Task "Diag_AWGLF_Timebase" could give abnormal eror with AtosC2 3.80	2.05		
25	Diagnostic and Calibration	Interface contact	Contact Interface	1.20.330.2	Global testprogram result was not set correctly.	2.05		
26	Calibration	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.51.300.2	If tpgm was executed in loop mode, an error message could be shown	2.05		
27	Calibration	LPE190	Lpe-Cpe040 DiagCalib	1.24.300.2	Task "Calib_DigitalAlignment" channel disconnection after test missing.	2.04		
28	Diagnostic and Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.39.300.2	- Memory override solved. - Task "Diag_CurrentClamp" R5uA has been improved. - Task "Calib_DigitalAlignement" channel disconnection missing at the end of task execution.	2.04		
29	Diagnostic and Calibration	DYSER	DySer DiagCalib	1.35.300.2	Task "Diag_Interface" could fail with TRIM IMG inserted.	2.02		
30	Diagnostic and Calibration	LDG130	Ldg-Cdg DiagCalib	1.04.320.2	Task "Diag_DGZLF_Timebase" could give abnormal eror with AtosC2 3.90	2.02		
31	Diagnostic and Calibration	Interface contact	Contact Interface	1.18.330.2	The following bugs have been fixed: - Wrong IC connector was displayed in case of LPE120 (4xCPE010)	2.01		
32	Diagnostic	LPE110 LPE180	Lpe-Cvi DiagCalib	1.27.300.2	Task "Diag_Interface_Connection" has been modified in order to avoid error on Trim IMG	2.00		
33	Calibration	LDG130	Ldg-Cdg DiagCalib	1.03.320.2	Task "Calib_DGZHF_Switched_Fsample" could give As Found abnormal fail	2.00		
34	Diagnostic and Calibration	Interface contact	Contact Interface	1.17.330.2	Task "Service" could fail.	2.00		
35	Calibration	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.51.300.2	Tmu Calibration high resolution could fail Calib_DigitalAlignment could give As Found abnormal fail on CmpA LUT	2.00		
36	Diagnostic	LPE190	Lpe-Cpe040 DiagCalib	1.23.300.2	Task: "Diag_Tmu", Test: "TmuAcqMemory", thresholds improvement	2.00		
37	Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.38.300.2	Tmu Calibration high resolution could fail	2.00		
38	Calibration	DYSER	DySer DiagCalib	1.34.300.2	Task "Adj_Vclamp" has been improved in order to avoid over voltage error. Task "Diag_UROW_Leakage" could fail with internal diagnostic inline.	2.00		
39	Diagnostic and Calibration	IPPS	Ipps DiagCalib	2.73.200.2	Task "DRV_I_Trigger_Calib" could give an abnormal warning message.	1.99		
40	Diagnostic and Calibration	Psa600	Psa600 DiagCalib	4.77.200.2	The program use an AtosC2 function that changed on AtosC2 Rel 3.80.1.10. Now the program is working with all AtosC2 versions.	1.99		
41	Diagnostic	LPE190	Lpe-Cpe040 DiagCalib	1.22.300.2	Die to instrument association has been fixed, serial numbers were not shown in the Service Message Window. Current clamp adjustment has been improved in order to avoid "Diag_DigitalCurrentAlarm" failure. Task "Diag_RelayMatrix" has been improved.	1.99		
42	Diagnostic	PSB600	Psb DiagCalib	1.31.240.2	The test Nr 50219 (UHV R active probe measure) in the Diag_SHV600 task could fail depending on external active probe resistance tolerance. The thresholds have been accordingly corrected.	1.99		
43	Diagnostic	PPMU660	Ppmu Diag	7.74.200.2	The presence of HPES intruments could affect the Ppmu diagnostic on capacitance and current measurements. This was due to the increased parasitic capacitance on ABUS.	1.99		

44	Calibration	PPMU660	Ppmu660 Calib	1.22.200.2	The presence of HPES intruments could affect the Ppmu current calibration. This was due to the increased parasitic capacitance on ABUS.	1.99		
45	Diagnostic	LPE130	Lpe-Cpe060 DiagCalib	1.36.300.2	Digital Sensor tasks have been improved Task "Diag_CommunicationProtocol" has been improved.	1.98		
46	Diagnostic	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.50.300.2	Task "Diag_CommunicationProtocol" has been improved.	1.98		
47	Diagnostic	LPE190	Lpe-Cpe040 DiagCalib	1.21.300.2	Task "Diag_CommunicationProtocol" has been improved. Task "Diag_RelayMatrix" could fail on AtosC2 3.43pC.	1.98		
48	Calibration	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.47.300.2	In calibration, the display die to isntrument messages didn't show the correct time and date info	1.97		
49	Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.36.300.2	TMU Calibration high resolution could fail	1.97		
50	Diagnostic	PSB600	Psb DiagCalib	1.30.240.2	The tests 18040-18042 of task Diag_LowCurrent_Bridge could fail.	1.97		
51	Diagnostic	HPES100	Hpes DiagCalib	1.17.300.2	Task Diag_Coarse_Supply_400V threshold improvement	1.96		
52	Diagnostic and Calibration	Interface contact	Contact Interface	1.15.330.2	DisplayDieToInstrumentAssociation has been fixed on "Service" and "LMX" tasks.	1.96		
53	Diagnostic and Calibration	IPPS400	Ipps DiagCalib	2.72.200.2	IPPS400 management has been corrected.	1.96		
54	Diagnostic and Calibration	LPE110LPE120LPE190	Lpe-Cpe010 DiagCalib	1.47.300.2	Task "Diag_Tmu" test 26003 - 26008 have been solved.	1.95		
55	Diagnostic	DYDIZ650	Diz650 DiagCalib	2.14.300.2	Task "Diag_ReadStatus" has been modified: ACQ_INVALID could be returned	1.95		
56	Diagnostic and Calibration	DYLPS200	DyLps DiagCalib	1.13.320.2	Capacitance calibration check could fail.	1.94		
57	Diagnostic	LDG	Ldg-Cdg DiagCalib	1.02.320.2	Task "Check_DGZLF_ChannelOpen" and "Check_DGZHF_ChannelOpen", has been improved	1.94		
58	Diagnostic	Interface contact	Contact Interface	1.14.330.2	Missing WaitForAnswer() could cause a false protection error on Outc test.	1.94		
59	Diagnostic	LDG100	Ldg-Cdg DiagCalib	1.01.320.2	Task "Diag_DGZLF_Switched_DC" is modified to avoid abnormal error	1.93		
60	Diagnostic	DYSER	DySer DiagCalib	1.33.300.2	Task "Diag_InterfaceConnection", urow test was uncorrectly tested on DOT800T series.	1.93		
61	Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.32.300.2	Task "Calib_DigitalAlignment", TDR As found could fail even if instrument was aligned.	1.93		
62	Calibration	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.46.300.2	Task "Calib_DigitalAlignment", TDR As found could fail even if instrument was aligned.	1.92		
63	Diagnostic and Calibration	All	DiagCal Library	1.98	Function "IsDySer010_1" was not correctly resolved.	1.92		

64	Diagnostic and Calibration	PTB5xx	Ptb5xx DiagCalib	1.25.334.2	Error occurred on fDlogSaveMeasure function.	1.92		
65	Diagnostic and Calibration	PSB600	Psb DiagCalib	1.28.240.2	Some tests of Diag_SHV600 diagnostic task require Chroma instrument presence. They are no more executed when it is absent. Error occurred on fDlogSaveMeasure function.	1.92		
66	Diagnostic and Calibration	-	AutoCal Library	-	An error related to "SetDiagCal" function occurred with AtosC2 release older than 3.80	1.91		
67	Diagnostic and Calibration	All	DiagCal Library	1.97	SPI Communication has been improved	1.91		
68	Diagnostic	LDG130	Contact Interface	1.11.330.2	Tpgm could crash if LDG on slot 18 was installed	1.90		
69	Diagnostic and Calibration	DYSER	DySer DiagCalib	1.32.300.2	Task "Diag_SPI" has been improved.	1.90		
70	Diagnostic and Calibration	DYSER	Contact Interface	1.11.330.2	Task "Service" has been improved.	1.90		
71	Diagnostic and Calibration	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.45.300.2	Task "Diag_Ramp" has been improved.	1.90		
72	Diagnostic and Calibration	LPE190	Lpe-Cpe040 DiagCalib	1.20.300.2	Task "Diag_Ramp" has been improved.	1.83		
73	Diagnostic and Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.31.300.2	Task "Diag_Ramp" has been improved.	1.83		
74	Diagnostic and Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.30.300.2	Reflection Clamp tasks: thresholds improvement. Task "Diag_Ramp": test improvement.	1.83		
75	Diagnostic and Calibration	HVS5xx	Hvs440_2 Hvs5xx Hvs6xx DiagCalib	1.46.200.2	DRV_RBK_I Task, the 100uA range measurement has been improved.	1.82		
76	Diagnostic	DYDIZ650	Diz650 DiagCalib	2.13.300.2	Task Diag_Relays could fail if more than one loop executed.	1.82		
77	Diagnostic	PTB500	Ptb5xx DiagCalib	1.23.334.2	The test 58014 in the GateDriver_OverVoltage_Check task could erroneously get fail result.	1.82		
78	Diagnostic	DYSER010	DySer DiagCalib	1.30.300.2	DyPsf010 and DyPsf011 has been correctly manged	1.82		
79	Diagnostic and Calibration	HPES100	Hpes DiagCalib	1.15.300.2	Diagnostic of Synchrobus has been modified to avoid error on AtosC2 3.70	1.82		
80	Diagnostic	TRDCT	Trdct Diag	1.06.300.2	Task "SvafmRelay": abus open test was not executed	1.82		
81	Diagnostic and Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.29.300.2	On/Off sequence has been improved for the following tasks: - Diag_DigitalReflectionClamp - Diag_DigitalReflectionClampMinMaxValue - Calib_DigitalReflectionClamp	1.81		
82	Diagnostic and Calibration	TRSER020	TrSer DiagCalib	1.12.300.2	Instrument name messages showed TRSER010 instead of TRSER020	1.81		
83	Diagnostic and Calibration	IPPS	Ipps DiagCalib	2.70.200.2	Task "DRV_I_Trigger" has been improved on RP256A range.	1.80		
84	Diagnostic	SVAFM210	Svafm210 DiagCalib	1.23.300.2	Task "Calib_VoltageMeterDgz_CMRR" has been improved.	1.80		
85	Diagnostic	PTB500	Ptb5xx DiagCalib	1.20.334.2	The IPPS_Connection_Check and HVS_Connection_Check tasks execution could cause next tasks failure	1.80		

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86	Diagnostic	DYSER010	DySer DiagCalib	1.29.300.2	Task "Diag_OutC_Verify" was not removed on DOT800TM100	1.79		
87	Diagnostic	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.44.300.2	Task "Diag_SenseInterface" has been modified in order to cover short relays	1.79		
88	Diagnostic and Calibration	IPPS	Ipps DiagCalib	2.69.200.2	Wrong parameter on AnlPhaseSet	1.78		
89	Diagnostic	HPE	Hpe DiagCalib	2.25.300.2	Task "DVM_Connection_Interface" abnormally closed threshold has been modified.	1.78		
90	Diagnostic	DYSER010	DySer DiagCalib	1.28.300.2	Task "Diag_LMX_Interface" was not removed in case of loadboard not upgraded	1.78		
91	Diagnostic	DYSER010	Contact Interface	1.10.330.2	Task "LMX" was not removed in case of loadboard not upgraded	1.78		
92	Diagnostic	PSA600	Psa600 DiagCalib	4.76.200.2	The following tasks have been improved: - "PSA600_Setup_By_Instructions" - "PSA600_Setup_By_SynchroBus"	1.78		
93	Diagnostic	PSB500	Psb DiagCalib	1.24.240.2	Task Diag_VGE_MTX_LV could fail when diagnosed using DCS board and IPPS5, 6, 7, 8 were not checked when instlled. It was correctly working with HPE board.	1.77		
94	Diagnostic	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.43.300.2	Task "Adj_DigitalAlignment" has been improved	1.77		
95	Diagnostic and Calibration	-	Diagnostic and Calibration library	1.77	Dyser SourceSet sequence has been modified to avoid over voltage error message	1.76		
96	Diagnostic	DYSER010	DySer DiagCalib	1.27.300.2	Task "Outc_Verify" was not correctly removed.	1.76		
97	Calibration	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.41.300.2	Task "Adj_DigitalAlignment" has been improved	1.75		
98	Diagnostic and Calibration	-	-	-	A message box "Missing function error - Can not locate the function GetSystemInterfaceType into the AtosC2.dll" could appear on DOT800 system (model types A and C). The message could be ignored without affecting the diagnostic or calibration results.	1.75		
99	Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.27.300.2	Storing on eprom has been modified to avoid abnormal error	1.75		
100	Diagnostic	HPE100	Hpe DiagCalib	2.23.300.2	Task Diag_DRV_OutputCapacitance was erroneously executed during the In line diagnostic	1.75		
101	Diagnostic	LPE110	Lpe-Cvi DiagCalib	1.23.300.2	Task Diag_DRV_InternalConnection has been modified to avoid error during the in line diagnostic	1.74		
102	Diagnostic	DYSER	Dyser DiagCalib	1.25.300.2	Task "Diag_PSU_Abus" was erroneously executed during the In line diagnostic	1.74		
103	Diagnostic	LPE110	Lpe-Cvi DiagCalib	1.22.300.2	Task Diag_DRV_SlewRate_Limiter has been improved.	1.74		
104	Diagnostic	TRDCT	Trdct Diag	1.06.300.2	Task SvafmRelay was pass on first loop only.	1.73		
105	Calibration	SVAFM210 SVAFM220	Svafm210 DiagCalib	1.22.300.2	Task StoreCalibData: check data stored could fail even if data was correctly stored on eeprom.	1.73		
106	Diagnostic	DYLPS200	DyLps DiagCalib	1.10.320.2	Task Diag_GangInternal has been improved Task Diag_DRV_Compensation has been improved	1.72		

107	Calibration	LPE110 LPE190	Lpe-Cpe010 DiagCalib	1.40.300.2	Task "Adj_DigitalAlignment": Cmp fall thresholds improvement.	1.39		
108	Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.25.300.2	Current Clamp calibration has been improved for kSAFE compensation (AtosC2 Rel 3.80)	1.70		
109	Diagnostic	LPE110 LPE120 LPE190	Lpe-Cpe010 DiagCalib	1.39.300.2	Diag_DutGndInterface has been improved	1.70		
110	Diagnostic	HVS	Hvs440_2 Hvs5xx Hvs6xx DiagCalib	1.44.200.2	Wrong Loadboard request on DOT800T2-AC	1.70		
111	Diagnostic	DYSER	Dyser DiagCalib	1.23.300.2	Task "Diag_PSU_Interface" could give abnormal message	1.70		
112	Diagnostic	PTB500	Ptb5xx DiagCalib	1.17.334	Task "IPPS Connection check" has been modified in order to manage the IPPS422 model	1.69		
113	Calibration	SVAFM210 SVAFM220	Svafm210 DiagCalib	1.21.300.2	Testprogram execution stop on AtosC2 3.31 or previous AtosC2 versions.	1.68		
114	Diagnostic	PSB500	Psb Diag Rel	1.22.240.2	The diagnostic was not properly working when HPE100-2 instrument was present	1.68		
115	Diagnostic and Calibration	HPE100	Hpe DiagCalib	2.21.300.2	The UABUS disconnection has to be explicitly specified in MpsDisconnectInterf	1.68		
116	Diagnostic and Calibration	HPES100	Hpes DiagCalib	1.13.300.2	Task "Ramp_By_FPGA_Meas" has been improved Task "DRV_Output_Capacitance" has been improved	1.68		
117	Diagnostic	LDG130	Ldg-Dgz DiagCalib	1.11.320.2	Diagnostic of timebase has been modified to avoid error on AtosC2 3.41	1.68		
118	Diagnostic and Calibration	-	DiagDSP Library	1.03	Error occurred if Visual Studio was not installed	1.67		
119	Diagnostic and Calibration	-	DiagCalRecy Library	1.03	Error occurred if Visual Studio was not installed	1.67		
120	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.16.334.2	MagnaPower XR1500 could generate unexpected failure.	1.66		
121	Diagnostic	DCF440	Dcf440 DiagCalib	1.14.210.2	Task "PviRelaysCheck" test 706 test name modified to give better information	1.65		
122	Diagnostic and Calibration	HPE100	Hpe DiagCalib	2.20.300.2	The UABUS disconnection has to be explicitly specified in MpsDisconnectInterf	1.65		
123	Diagnostic and Calibration	LPE110 LPE130 LPE190	Lpe-Cpe010 DiagCalib Lpe-Cpe040 DiagCalib Lpe-Cpe060 DiagCalib	1.36.300.2 1.16.300.2 1.21.300.2	FIFO Pattern has been modified.	1.65		
124	Diagnostic and Calibration	-	DiagCal Library	1.90	Offline management has been fixed.	1.65		
125	Diagnostic and Calibration	IPPS	Ipps DiagCalib	2.65.200.2	Safety management on DCF loadboard has been fixed.	1.64		
126	Diagnostic and Calibration	HVS	Hvs440_2 Hvs5xx Hvs6xx DiagCalib	1.42.200.2	UnitArray was not terminated correctly.	1.63		
127	Diagnostic and Calibration	HVS	Hvs440_2 Hvs5xx Hvs6xx DiagCalib	1.41.200.2	Safety management on DCF loadboard has been fixed.	1.62		

128	Diagnostic and Calibration	LPE130	Lpe-Cpe060 DiagCalib	1.20.300.2	Task "Diag_Relays": threshold values have been corrected.	1.60		
129	Diagnostic and Calibration	HPES100	Hpes DiagCalib	1.11.300.2	Task "Register" kas been modified to avoid error in case of trim svm installed	1.60		
130	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.12.334.2	Task "HvGenerator_Adj" improvement.	1.60		
131	Diagnostic	DYSER	Dyser DiagCalib	1.20.300.2	Task "Diag_Synch" could give an abnormal error message.	1.60		
132	Diagnostic and Calibration	DYLPS200	DyLps DiagCalib	1.06.320.2	The calibration has been modified in order to correct automatically detect the frequency in the input of the external multimeter	1.60		
133	Diagnostic and Calibration	DYLPS200	DyLps DiagCalib	1.06.320.2	Task Diag_Sbus has been improved.	1.60		
134	Diagnostic	DYDIZ650	Diz650 DiagCalib	2.09.300.2	Calibration of voltage readback task has been improved	1.59		
135	Diagnostic and Calibration	HPES100	Hpes DiagCalib	1.00.300.2	Task "DRV_Connection" could fail with IPPS422 module.	1.58		
136	Diagnostic and Calibration	IPPS	Ipps DiagCalib	2.63.200.2	- VRAD DUTPins has been fixed. - Contact interface signal ini file has been fixed.	1.58		
137	Diagnostic	Interface contact	Contact Interface	1.07.330.2	Tasks Diag_AWGLF_AdvancedWave has been improved.	1.56		
138	Diagnostic	LDG130	Ldg-Awg DiagCalib	1.12.320.2	Tasks Diag_DGZHF_DspCompute and Diag_DGZLF_DspCompute has been temporarily removed because they failed due to a	1.56		
139	Diagnostic	LDG130	Ldg-Dgz DiagCalib	1.08.320.2	Current ranges coherence between Source and Rbk have been fixed on following tasks: - "RBK_I"	1.56		
140	Diagnostic and Calibration	HVS	Hvs440_2 Hvs5xx Hvs6xx DiagCalib	1.38.200.2	Task "Calib_AWGLF_DcOffset" could fail also if the adustment procedure got a good error correction. The Adjustment thresholds have been modified accordingly.	1.55		
141	Calibration	LDG130	Ldg-Awg DiagCalib	1.11.320.2	Task Calib_VoltageGeneratorCurrentMeterCMRR failed AsFound test if AsFound-Adjustment-AsLeft was selected	1.55		
142	Diagnostic	LPE190	Lpe-Cpe040 DiagCalib	1.13.300.2	The GateDriver_CRD_RC_Check task has been improved adapting the thresholds.	1.55		
143	Diagnostic	PTB500	Ptb5xx DiagCalib	1.11.334	Task "VI_Source_Connection" has been improved	1.54		
144	Diagnostic	PSA600	Psa600 DiagCalib	4.73.200.2	Current Meter Calibration R100pA has been improved	1.54		
145	Diagnostic and Calibration	SVAFM210 SVAFM220	Svafm210 DiagCalib	1.17.300.2	The following tasks have been improved: - PTB_InsulationTest_1000V - PTB_ContactUnit_InsulationTest_1000V	1.54		
146	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.10.334.2	Task "Diag_InternalConnection": in case of fail result of one board, all DyLps boards were considered fail.	1.54		
147	Diagnostic	DYLPS200	DyLps DiagCalib	1.02.320.2	Task "Diag_DutGndInterface" could fail with IMG Trim if both service boards are present.	1.53		

148	Diagnostic	LPE110-LPE190	Lpe-Cpe010 DiagCalib	1.31.300.2	External meter shield connection check has been improved	1.53		
149	Calibration	LPE190	Lpe-Cpe040 DiagCalib	1.12.300.2	Task "Calib_CurrentClamp", "Calib_CurrentClampCMRR", "Calib_CurrentGenerator", "Calib_VoltageGenerator" have been modified in order to avoid error messages	1.53		
150	Diagnostic and Calibration	LPE190	Lpe-Cpe040 DiagCalib	1.11.300.2	Task "Diag_AnalogRout" and "Diag_Relays" have been improved	1.53		
151	Diagnostic and Calibration	LPE110-LPE190	Lpe-Cpe010 DiagCalib	1.30.300.2	HMX100 tests have been executed only if HMX100 is present.	1.52		
152	Diagnostic	HPE100	Contact Interface	1.04.330.2	Task "Matrix_Interface" has been enabled only if HMX100 is present.	1.52		
153	Diagnostic	HPE100	Hpe DiagCalib	2.15.300.2	- Task GateDriver_Dynamic_Check thresholds has been modified. - Task HvGenerator_Adj: linearity adjustment improvement if PTB Library Rel >= 4.03 - Task Prot_IGBT_Adj thresholds has been modified	1.50		
154	Diagnostic and Calibration	PTB500	Ptb5xx DiagCalib	1.09.334.2	Task "GHFC100_AdjDCVoltage" has been modified: - "DacAdj" dicotomic search thresholds have been increased to R10V 500uV (was 24uV)	1.48		
155	Calibration	DYGEN660	Gen660 Gen670 DiagCalib	1.16.284.2	The diagnostic task "DiagRelays" has been modified to center the thresholds to the Mosfet resistance.	1.48		
156	Diagnostic	LPE130	Lpe-Cpe060 DiagCalib	1.12.300.2	The diagnostic task "Diag_ChannelMatrix" has been modified in order to avoid error if two or more HPE/HPES instruments were installed.	1.48		
157	Diagnostic	SVAFM2xx	Svafm210 DiagCalib	1.15.300.2	The calibration TPGM has been modified to automatically detect the frequency in the input of the external multimeter, to filtering US line frequency noise of 60Hz.	1.46		
158	Calibration	DYLPS200	DyLps DiagCalib	1.01.320.2	The calibration task "VerifyPpmuCurrentGenerator40uARange" has been modified to adpt the settling time of the current measure due to a different tester configuration.	1.44		
159	Diagnostic and Calibration	PPMU660	Ppmu660 Calib	1.19.200.2	The tasks "PFM_VoltageComparators" and "PFM_CurrentComparators" has been modified to avoid failure with AtosC2 Rel 3.42, 3.43, 3.44 and 3.45.	1.42		
160	Diagnostic	DYGEN660	Gen660 Gen670 DiagCalib	1.15.284.2	Task "RBK_Parallel_Single_Acquisition" could fail with CAN firmware rel. 3.11	1.42		
161	Diagnostic	IPPS	Ipps DiagCalib	2.59.200.2	The diagnostic of the CPE060 has been modified to remove error messages of the task "Diag_DigitalTimingModify", showed by the new controls added in the ATOSC2 rel. 3.41pA.	1.42		
162	Diagnostic	LPE130	Lpe-Cpe060 DiagCalib	1.11.300.2	The diagnostic of the CPE010 has been modified to remove error messages of the task "Diag_DigitalTimingModify", showed by the new controls added in the ATOSC2 rel. 3.41pA.	1.40		
163	Diagnostic	LPE110-LPE190	Lpe-Cpe010 DiagCalib	1.18.300.2	The diagnostic of the CPE010 has been modified to remove error messages of the task "Diag_DigitalTimingModify", showed by the new controls added in the ATOSC2 rel. 3.41pA.	1.40		
164	Diagnostic and Calibration	LPE110-LPE180-	Lpe-Cvi DiagCalib	1.13.300.2	The CVI010_tpgm has been modified to solve a possible hang-up when different LPE models are present.			