

Protection and Control Relay

611 SERIES

IEC 61850 ED2 Model Implementation Conformance Statement (MICS) for 611 SERIES



ABB

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1 About this manual

1.1 Read it first!

Before attempting any operation with IED from 611 series, read carefully the IED documentation first.

This document is addressed to anyone who needs to interact with 611 series and its IEC 61850 features in more detail.

1.2 Document information

Revision History

Revision	Date	Note
A	11 Sep 2015	611 series v2.0

Applicability

This manual is applicable to all 611 series Protection and Control IED versions mentioned in document Revision History above or newer versions if document update is not required.

1.3 Safety Information

There are safety warnings and notes in the following text. They are in a different format to distinguish them from normal text.

Safety warning

The safety warnings should always be observed. Non-observance can result in death, personal injury or substantial damages to property. Guarantee claims might not be accepted when safety warnings are not respected. They look like below:



Do not make any changes to the 611 SERIES configurations unless you are familiar with the 611 SERIES and its configuration tool. This might result in disoperation and loss of warranty.

Note

A note contains additional information worth noting in the specific context, and looks like below:



The selection of this control mode requires caution, because operations are allowed both from the HMI and remotely.

2 Abbreviations and Definitions

2.1 Abbreviations

FTP	File Transfer Protocol
GOOSE	Generic Object Oriented Substation Event
GPS	Global Positioning System
GSE	Generic Substation Event
GSSE	Generic Substation Status Event
HMI	Human Machine Interface
IED	Intelligent Electronic Device
LED	Light Emitting Diode
MAC	Media Access Control
MICS	Model Implementation Conformance Statement
MMS	Manufacturing Message Specification
M/O	Mandatory/Optional
N	No
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
SCADA	Supervision, Control and Data Acquisition
SLD	Single Line Diagram
XML	eXtensible Markup Language
Y	Yes

2.2 Definitions

Operational State	the unit is active and it is protecting and controlling the switchgear.
Stand-alone	the unit is not connected to a SCADA system.

3 References

Ref	Document id	Rev	Document title
[1]	61850-8-1 First edition 2004-05		Communication networks and systems in substations Part 8-1: Specific communication service mapping (SCSM) – Mappings to MMS (ISO/IEC 9506 Part 1 and Part 2) and to ISO/IEC 8802-3
[2]	61850-10 First edition 2005-05		Communication networks and systems in substations – Part 10: Conformance testing
[3]	IEC61850-7-2 First edition 2003-05		Communication networks and systems in substations – Part 7-2: Basic communication structure for substation and feeder equipment – Abstract communication service interface (ACSI)
[4]	IEC61850-6 First edition 2004-03		Communication networks and systems in substations - Part 6: Configuration description language for communica- tion in electrical substations related to IEDs
[5]	IEC61850-7-3 First edition 2003-05		Communication networks and systems in substations – Part 7-3: Basic communication structure for substation and feeder equipment – Common data classes
[6]	IEC61850-7-4 First Edition 2003-05		Communication networks and systems in substations – Part 7-4:

4 Introduction

This document specifies the model implementation conformance statement (MICS) of the IEC 61850 communication for 611 SERIES.

Together with the PICS and the PIXIT the MICS forms the basis for a conformance test according to IEC 61850-10.

In this document all Logical Nodes with additional Data Objects are listed with intended use for extensions. In these cases dataNs refers to this document. Also Data Objects with different namespace as standard CDC describes are listed. In these cases cdcNs data attribute refers to this document. Extended data classes' new Data Attributes are introduced.

5 Logical Nodes List

L:System logical nodes		
LLN0	LD0.LLN0	Protection LLN0
	CTRL.LLN0	Control LLN0
	DR.LLN0	DR LLN0
LPHD	LD0.LPHD1	Physical device
	CTRL.LPHD1	Std conformance
	DR.LPHD1	Physical device information
LINF	LD0.LINF1	Customer information
LDEV	LD0.LDEV1	Device
LPRT	LD0.GSELPRT1	GSELPRT1,GSE
	LD0.MMSLPRT1	61850-8-1 MMS
	LD0.MBSLPRT1	Modbus
	LD0.MBSLPRT2	Modbus
	LD0.MBSLPRT3	Modbus
	LD0.MBSLPRT4	Modbus
	LD0.MBSLPRT5	Modbus
LTMS (ED2)	LD0.GNRLLTMS1	GNRLLTMS1,TSYNC(1)
LTMM (ED1)	LD0.GNRLLTMM1	GNRLLTMS1,TSYNC(1)
LTIM	LD0.GNRLLTIM1	GNRLLTIM1
LCCH	LD0.SERLCCH1	Serial Port 1 Supervision
	LD0.SERLCCH2	Serial Port 2 Supervision
	LD0.RCHLCCH1	Redundant Ethernet
	LD0.SCHLCCH1	X1/X16 port Ethernet channel
	LD0.SCHLCCH2	X2 port Ethernet channel
	LD0.SCHLCCH3	X3 port Ethernet channel
C:Logical nodes for control		
CILO	CTRL.CBCILO1	CBXCBR1,I<->O CB(1)
CSWI	CTRL.CBCSWI1	CBXCBR1,I<->O CB(1)
G:Logical Nodes for generic references		
GSAL	LD0.GSAL1	Security application
GGIO	LD0.LEDGGIO1	Programmable LEDs
	LD0.XGGIO100	X100 (PSM)
	LD0.XGGIO120	X120 (AIM)
	LD0.XAGGIO130	X130 (AIM)
	LD0.XGGIO130	X130 (BIO)
	LD0.XGGIO90	X000 (COM)
GAPC	LD0.TPGAPC1	TPGAPC1,TP(1)
	LD0.TPGAPC2	TPGAPC2,TP(2)
	LD0.TPGAPC3	TPGAPC3,TP(3)
	LD0.TPGAPC4	TPGAPC4,TP(4)
	LD0.TPGAPC5	TPGAPC5,TP(5)

	LD0.TPGAPC6	TPGAPC6,TP(6)
	LD0.TPGAPC7	TPGAPC7,TP(7)
	LD0.TPGAPC8	TPGAPC8,TP(8)
	LD0.TPGAPC9	TPGAPC9,TP(9)
	LD0.TPGAPC10	TPGAPC10,TP(10)
	LD0.MVGAPC1	MVGAPC1,MV(1)
	LD0.ISWGAPC1	ISWGAPC1,ISWGAPC(1)
	LD0.ISWGAPC2	ISWGAPC2,ISWGAPC(2)
	LD0.ISWGAPC3	ISWGAPC3,ISWGAPC(3)
	LD0.ISWGAPC4	ISWGAPC4,ISWGAPC(4)
	LD0.ISWGAPC5	ISWGAPC5,ISWGAPC(5)
	LD0.ISWGAPC6	ISWGAPC6,ISWGAPC(6)
	LD0.ISWGAPC7	ISWGAPC7,ISWGAPC(7)
	LD0.ISWGAPC8	ISWGAPC8,ISWGAPC(8)
	LD0.ISWGAPC9	ISWGAPC9,ISWGAPC(9)
	LD0.ISWGAPC10	ISWGAPC10,ISWGAPC(10)
	LD0.OSWGAPC1	OSWGAPC1,OSWGAPC(1)
	LD0.OSWGAPC2	OSWGAPC2,OSWGAPC(2)
	LD0.OSWGAPC3	OSWGAPC3,OSWGAPC(3)
	LD0.OSWGAPC4	OSWGAPC4,OSWGAPC(4)
	LD0.OSWGAPC5	OSWGAPC5,OSWGAPC(5)
	LD0.OSWGAPC6	OSWGAPC6,OSWGAPC(6)
	LD0.OSWGAPC7	OSWGAPC7,OSWGAPC(7)
	LD0.OSWGAPC8	OSWGAPC8,OSWGAPC(8)
	LD0.OSWGAPC9	OSWGAPC9,OSWGAPC(9)
	LD0.OSWGAPC10	OSWGAPC10,OSWGAPC(10)
	LD0.OSWGAPC11	OSWGAPC11,OSWGAPC(11)
	LD0.OSWGAPC12	OSWGAPC12,OSWGAPC(12)
	LD0.OSWGAPC13	OSWGAPC13,OSWGAPC(13)
	LD0.OSWGAPC14	OSWGAPC14,OSWGAPC(14)
	LD0.OSWGAPC15	OSWGAPC15,OSWGAPC(15)
	LD0.OSWGAPC16	OSWGAPC16,OSWGAPC(16)
	LD0.OSWGAPC17	OSWGAPC17,OSWGAPC(17)
	LD0.OSWGAPC18	OSWGAPC18,OSWGAPC(18)
	LD0.OSWGAPC19	OSWGAPC19,OSWGAPC(19)
	LD0.OSWGAPC20	OSWGAPC20,OSWGAPC(20)
	LD0.SELGAPC1	SELGAPC1,SELGAPC(1)
	LD0.SELGAPC2	SELGAPC2,SELGAPC(2)
	LD0.SELGAPC3	SELGAPC3,SELGAPC(3)
	LD0.SELGAPC4	SELGAPC4,SELGAPC(4)
	LD0.SELGAPC5	SELGAPC5,SELGAPC(5)
	LD0.SELGAPC6	SELGAPC6,SELGAPC(6)

	LD0.ESMGAPC1	ESMGAPC1,ESTART(1)
	LD0.TPSGAPC1	TPSGAPC1,TPS(1)
I:Logical Nodes for archiving		
IHMI	LD0.IHMI1	Device
M:Logical Nodes for metering and measurement		
MMXU	LD0.CMMXU1	CMMXU1,3I(1)
	LD0.CAVMMXU1	CMMXU1,3I(1)
	LD0.CMAMMXU1	CMMXU1,3I(1)
	LD0.CMIMMXU1	CMMXU1,3I(1)
	LD0.RESCMMXU1	RESCMMXU1,In(1),Io(1)
	LD0.RCAVMMXU1	RESCMMXU1,In(1),Io(1)
	LD0.RCMAMMXU1	RESCMMXU1,In(1),Io(1)
	LD0.RCMIMMXU1	RESCMMXU1,In(1),Io(1)
	LD0.FMMXU1	FMMXU1,f(1)
	LD0.VMMXU2	VMMXU2,3V(2),3U(2)
	LD0.VAVMMXU2	VMMXU2,3V(2),3U(2)
	LD0.PEMMXU1	PEMMXU1,P,E(1)
	LD0.PEAVMMXU1	PEMMXU1,P,E(1)
	LD0.PEMAMMXU1	PEMMXU1,P,E(1)
	LD0.PEMIMMXU1	PEMMXU1,P,E(1)
	LD0.RESVMMXU1	RESVMMXU1,Vn(1),Uo(1)
	LD0.RVAVMMXU1	RESVMMXU1,Vn(1),Uo(1)
	LD0.RVMAMMXU1	RESVMMXU1,Vn(1),Uo(1)
	LD0.RVMIMMXU1	RESVMMXU1,Vn(1),Uo(1)
	LD0.VMMXU1	VMMXU1,3V(1),3U(1)
	LD0.VAVMMXU1	VMMXU1,3V(1),3U(1)
MSQI	LD0.CSMSQI1	CSMSQI1,I1,I2,I0(1)
	LD0.VSMSQI1	VSMSQI1,V1,V2,V0(1),U1,U2,U0(1)
MMTR	LD0.PEMMTR1	PEMMXU1,P,E(1)
P:Logical Nodes for protection functions		
PTOC	LD0.PHIPTOC1	PHIPTOC1,50P/51P(1),3I>>(1)
	LD0.NSPTOC1	NSPTOC1,46(1),I2>(1)
	LD0.NSPTOC2	NSPTOC2,46(2),I2>(2)
	LD0.PDNSPTOC1	PDNSPTOC1,46PD(1),I2/I1>(1)
	LD0.PREVPTOC1	PREVPTOC1,46R(1),I2>>(1)
	LD0.JAMPTOC1	JAMPTOC1,51LR(1),Ist>(1)
	LD0.PHLPTOC1	PHLPTOC1,51P-1(1),3I>(1)
	LD0.EFLPTOC1	EFLPTOC1,51N-1(1),Io>(1)
	LD0.EFHPTOC1	EFHPTOC1,51N-2(1),Io>>(1)
	LD0.MNSPTOC1	MNSPTOC1,46M(1),I2>M(1)
	LD0.MNSPTOC2	MNSPTOC2,46M(2),I2>M(2)
	LD0.PHHPTOC1	PHHPTOC1,51P-2(1),3I>>(1)

	LD0.PHHPTOC2	PHHPTOC2,51P-2(2),3I>>(2)
	LD0.DEFHPTOC1	DEFHPDEF1,67N-2(1),Io>>->(1)
	LD0.DEFLPTOC1	DEFLPDEF1,67N-1(1),Io>->(1)
	LD0.DEFLPTOC2	DEFLPDEF2,67N-1(2),Io>->(2)
	LD0.EFLPTOC2	EFLPTOC2,51N-1(2),Io>(2)
	LD0.EFIPTOC1	EFIPTOC1,50N/51N(1),Io>>>(1)
	LD0.DPHLPTOC1	DPHLPDOC1,67-1(1),3I>->(1)
	LD0.DPHLPTOC2	DPHLPDOC2,67-1(2),3I>->(2)
	LD0.DPHHPTOC1	DPHHPDOC1,67-2(1),3I>>->(1)
PTTR	LD0.T1PTTR1	T1PTTR1,49F(1),3Ith>F(1)
	LD0.MPTTR1	MPTTR1,49M(1),3Ith>M(1)
PHAR	LD0.INRPHAR1	INRPHAR1,68(1),3I2f>(1)
PTRC	LD0.TRPPTRC1	TRPPTRC1,94/86(1),Master Trip(1)
	LD0.TRPPTRC2	TRPPTRC2,94/86(2),Master Trip(2)
	LD0.LEDPTRC1	Global conditioning
	LD0.FRPTRC1	FRPFRQ1,81(1),f>/f
	LD0.FRPTRC2	FRPFRQ2,81(2),f>/f
PSOF	LD0.CBPSOF1	CBPSOF1,SOTF(1)
PMSS	LD0.STTPMSS1	STTPMSU1,49,66,48,51LR(1),Is2t n<(1)
PMRI	LD0.STTPMRI1	STTPMSU1,49,66,48,51LR(1),Is2t n<(1)
PTUC	LD0.LOFLPTUC1	LOFLPTUC1,37(1),3I<(1)
Pdif	LD0.HIAPDIF1	HIAPDIF1,87A(1),dHi_A>(1)
	LD0.HIBPDIF1	HIBPDIF1,87B(1),dHi_B>(1)
	LD0.HICPDIF1	HICPDIF1,87C(1),dHi_C>(1)
PTUV	LD0.PHPTUV1	PHPTUV1,27(1),3U<(1)
	LD0.PHPTUV2	PHPTUV2,27(2),3U<(2)
	LD0.PHPTUV3	PHPTUV3,27(3),3U<(3)
	LD0.PSPTUV1	PSPTUV1,47U+(1),U1<(1)
	LD0.PSPTUV2	PSPTUV2,47U+(2),U1<(2)
PTOV	LD0.PHPTOV1	PHPTOV1,59(1),3U>(1)
	LD0.PHPTOV2	PHPTOV2,59(2),3U>(2)
	LD0.PHPTOV3	PHPTOV3,59(3),3U>(3)
	LD0.ROVPTOV1	ROVPTOV1,59G(1),Uo>(1)
	LD0.ROVPTOV2	ROVPTOV2,59G(2),Uo>(2)
	LD0.ROVPTOV3	ROVPTOV3,59G(3),Uo>(3)
	LD0.NSPTOV1	NSPTOV1,47O-(1),U2>(1)
	LD0.NSPTOV2	NSPTOV2,47O-(2),U2>(2)
PTOF	LD0.FRPTOF1	FRPFRQ1,81(1),f>/f
	LD0.FRPTOF2	FRPFRQ2,81(2),f>/f
PTUF	LD0.FRPTUF1	FRPFRQ1,81(1),f>/f
	LD0.FRPTUF2	FRPFRQ2,81(2),f>/f
PFRC	LD0.FRPFRC1	FRPFRQ1,81(1),f>/f

	LD0.FRPFRC2	FRPFRQ2,81(2),f>/f
PTEF	LD0INTRPTEF1	INTRPTEF1,67NIEF(1),Io>->IEF(1)
R:Logical nodes for protection related functions		
RBRF	LD0.CCBRBRF1	CCBRBRF1,51BF/51NBF(1),3I>/Io>BF(1)
RFRC	LD0.FLTRFRC1	FLTRFRC1,FaultRec1
RDIR	LD0.DEFHRDIR1	DEFHPDEF1,67N-2(1),Io>>->(1)
	LD0.DEFLRDIR1	DEFLPDEF1,67N-1(1),Io>>-(1)
	LD0.DEFLRDIR2	DEFLPDEF2,67N-1(2),Io>>-(2)
	LD0.DPHLRDIR1	DPHLPDOC1,67-1(1),3I>->(1)
	LD0.DPHLRDIR2	DPHLPDOC2,67-1(2),3I>->(2)
	LD0.DPHHRDIR1	DPHHPDOC1,67-2(1),3I>>->(1)
RREC	LD0.DARREC1	DARREC1,79(1),O->I(1)
RDRE	DR.RDRE1	Disturbance recorder
RBDR	DR.RBDR1	Binary ch 1
	DR.RBDR2	Binary ch 2
	DR.RBDR3	Binary ch 3
	DR.RBDR4	Binary ch 4
	DR.RBDR5	Binary ch 5
	DR.RBDR6	Binary ch 6
	DR.RBDR7	Binary ch 7
	DR.RBDR8	Binary ch 8
	DR.RBDR9	Binary ch 9
	DR.RBDR10	Binary ch 10
	DR.RBDR11	Binary ch 11
	DR.RBDR12	Binary ch 12
	DR.RBDR13	Binary ch 13
	DR.RBDR14	Binary ch 14
	DR.RBDR15	Binary ch 15
	DR.RBDR16	Binary ch 16
	DR.RBDR17	Binary ch 17
	DR.RBDR18	Binary ch 18
	DR.RBDR19	Binary ch 19
	DR.RBDR20	Binary ch 20
	DR.RBDR21	Binary ch 21
	DR.RBDR22	Binary ch 22
	DR.RBDR23	Binary ch 23
	DR.RBDR24	Binary ch 24
	DR.RBDR25	Binary ch 25
	DR.RBDR26	Binary ch 26
	DR.RBDR27	Binary ch 27
	DR.RBDR28	Binary ch 28
	DR.RBDR29	Binary ch 29

	DR.RBDR30	Binary ch 30
	DR.RBDR31	Binary ch 31
	DR.RBDR32	Binary ch 32
	DR.RBDR33	Binary ch 33
	DR.RBDR34	Binary ch 34
	DR.RBDR35	Binary ch 35
	DR.RBDR36	Binary ch 36
	DR.RBDR37	Binary ch 37
	DR.RBDR38	Binary ch 38
	DR.RBDR39	Binary ch 39
	DR.RBDR40	Binary ch 40
	DR.RBDR41	Binary ch 41
	DR.RBDR42	Binary ch 42
	DR.RBDR43	Binary ch 43
	DR.RBDR44	Binary ch 44
	DR.RBDR45	Binary ch 45
	DR.RBDR46	Binary ch 46
	DR.RBDR47	Binary ch 47
	DR.RBDR48	Binary ch 48
	DR.RBDR49	Binary ch 49
	DR.RBDR50	Binary ch 50
	DR.RBDR51	Binary ch 51
	DR.RBDR52	Binary ch 52
	DR.RBDR53	Binary ch 53
	DR.RBDR54	Binary ch 54
	DR.RBDR55	Binary ch 55
	DR.RBDR56	Binary ch 56
	DR.RBDR57	Binary ch 57
	DR.RBDR58	Binary ch 58
	DR.RBDR59	Binary ch 59
	DR.RBDR60	Binary ch 60
	DR.RBDR61	Binary ch 61
	DR.RBDR62	Binary ch 62
	DR.RBDR63	Binary ch 63
	DR.RBDR64	Binary ch 64
RADR	DR.RADR1	Analog ch 1
	DR.RADR2	Analog ch 2
	DR.RADR3	Analog ch 3
	DR.RADR4	Analog ch 4
	DR.RADR5	Analog ch 5
	DR.RADR6	Analog ch 6
	DR.RADR7	Analog ch 7

	DR.RADR8	Analog ch 8
	DR.RADR9	Analog ch 9
	DR.RADR10	Analog ch 10
	DR.RADR11	Analog ch 11
	DR.RADR12	Analog ch 12
S:Logical nodes for supervision and monitoring		
SCBR	LD0.TCSSCBR1	TCSSCBR1,TCM(1),TCS(1)
	LD0.TCSSCBR2	TCSSCBR2,TCM(2),TCS(2)
SOPT	LD0.MDSOPT1	MDSOPT1,OPTM(1),OPTS(1)
SPVC	LD0.HZCCASPVC1	HZCCASPVC1,MCS I_A(1)
	LD0.HZCCBSPVC1	HZCCBSPVC1,MCS I_B(1)
	LD0.HZCCCSPVC1	HZCCCSPVC1,MCS I_C(1)
T:Logical nodes for instrument transformers and sensors		
TCTR	LD0.IL1TCTR1	Current (3I,CT)
	LD0.IL2TCTR1	Current (3I,CT)
	LD0.IL3TCTR1	Current (3I,CT)
	LD0.RESTCTR1	Current (Io,CT)
TVTR	LD0.RESTVTR1	Voltage (Uo,VT)
	LD0.UL1TVTR1	Voltage (3U,VT)
	LD0.UL2TVTR1	Voltage (3U,VT)
	LD0.UL3TVTR1	Voltage (3U,VT)
X:Logical Nodes for switchgear		
XCBR	CTRL.CBXCBR1	CBXCBR1,I<->O CB(1)

6 Logical Node Extensions

6.1 New Logical Nodes

6.1.1 LN: LINF1 Name: LINF (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Beh	ABBIED600_Rev2_ENS_beh_e	Behaviour	E	IEC 61850-7-4:2007
NamPlt	AB-BIED600_Rev5_LPL_LD0_LINF_ED2_e	Name plate	E	IEC 61850-7-4:2007
BayNam	ABBIED600_Rev3_VSG_2_20_e	Name of the bay	E	ABBIED600:2014
CfgNam	ABBIED600_Rev2_VSG_1_20_e	IED configuration name	E	ABBIED600:2014
DevRev	ABBIED600_Rev2_VSG_1_64_e	Product version number	E	ABBIED600:2014
CstNam	ABBIED600_Rev1_VSG_2_64_e	Name of the customer	E	ABBIED600:2014
CstStNam	ABBIED600_Rev1_VSG_2_64_e	Name of the state	E	ABBIED600:2014

CstStreNam	ABBIED600_Rev1_VSG_2_64_e	Name of the street	E	ABBIED600:2014
CstHouNum	ABBIED600_Rev1_VSG_2_64_e	Number of the house	E	ABBIED600:2014
CstZip	ABBIED600_Rev3_VSG_2_20_e	ZIP/Postal code	E	ABBIED600:2014
CstCityNam	ABBIED600_Rev1_VSG_2_64_e	City/Province	E	ABBIED600:2014
CstCntyNam	ABBIED600_Rev1_VSG_2_64_e	Name of the country	E	ABBIED600:2014
CardNam	AB-BIED600_Rev8_DPL_eeprom_2_ED2_e	Card information	E	ABBIED600:2014
TestStald	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	ABBIED600:2014
Hwld	ABBIED600_Rev1_LPL_VSS_1_20_e	HW module	E	ABBIED600:2014

6.1.2 LN: LDEV1 Name: LDEV (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Beh	ABBIED600_Rev2_ENS_beh_e	Behaviour	E	IEC 61850-7-4:2007
NamPlt	AB-BIED600_Rev2_LPL_LD0_LDEV_ED2_e	Name plate	E	IEC 61850-7-4:2007
IPAddr	ABBIED600_Rev3_VSG_2_20_e	IP address for rear port(s)	E	ABBIED600:2014
IPAddrSub-Ntw	ABBIED600_Rev3_VSG_2_20_e	Subnet mask for rear port(s)	E	ABBIED600:2014
IPAddrGtw	ABBIED600_Rev3_VSG_2_20_e	Default gateway for rear port(s)	E	ABBIED600:2014
IPAddrFrt	ABBIED600_Rev2_VSG_1_20_e	IP address for front port (fixed)	E	ABBIED600:2014
Mac1	ABBIED600_Rev2_VSG_1_20_e	Mac address for rear port(s)	E	ABBIED600:2014
Mac2	ABBIED600_Rev2_VSG_1_20_e	Mac address for front port	E	ABBIED600:2014
SwrNum	ABBIED600_Rev1_LPL_VSS_1_20	SW		
OrdrNum	ABBIED600_Rev1_LPL_VSS_1_20	Order number		
WrmStrDet	ABBIED600_Rev1_SPS	Warm start detected		
WacTrgDet	ABBIED600_Rev1_SPS	Watchdog reset detected		
DevWrn	ABBIED600_Rev7_ENS_warning	Warning		
DevFail	ABBIED600_Rev11_ENS_error	Internal Fault		
StLstOv	ABBIED600_Rev1_SPS_e	Status overflow	E	ABBIED600:2014
MeasLstOv	ABBIED600_Rev1_SPS_e	Meas overflow	E	ABBIED600:2014
ChgAckCnt	ABBIED600_Rev1_INS_retain_e	Number of composition changes	E	ABBIED600:2014
ChgFlg	ABBIED600_Rev2_INC_control_int_e	Composition has changed	E	ABBIED600:2014,status-only,direct-with-normal-security
WrmStrCmd	ABBIED600_Rev2_SPC_control_e	Reset device	E	ABBIED600:2014,status-only,direct-with-normal-security

FailTest	ABBIED600_Rev2_SPC_control_e	Internal fault test	E	ABBIED600:2014,status-only,direct-with-normal-security
BlkMod	ABBIED600_Rev2_ENG_SP_BlkMod_e	Global blocking mode selection	E	ABBIED600:2014
HzSetSel	ABBIED600_Rev2_ENG_SP_HzSet_e	Rated frequency	E	ABBIED600:2014
PhRotSet	ABBIED600_Rev2_ENG_SP_PhRotSet_e	Phase rotation order	E	ABBIED600:2014
DiVThres	ABBIED600_Rev1_ING_SP_e	Threshold voltage	E	ABBIED600:2014
DiOscThres	ABBIED600_Rev1_ING_SP_1_e	Input osc. level	E	ABBIED600:2014
DiOscHys	ABBIED600_Rev1_ING_SP_1_e	Input osc. hyst	E	ABBIED600:2014
SetSelD	ABBIED600_Rev1_SPS_e	Settings reservation	E	ABBIED600:2014
SetChg	ABBIED600_Rev1_SPS_e	Settings change	E	ABBIED600:2014
PhOrdMod	ABBIED600_Rev2_ENG_SP_PhOrdSet_e	Phase connection order	E	ABBIED600:2014,order code dependent
ACrvSatPnt	ABBIED600_Rev1_ASG_SP_f_e	Overcurrent IDMT saturation point	E	ABBIED600:2014
AD-mdAvMod	AB-BIED600_Rev2_ENG_SP_DmdAvMod_e	A demand Av mode	E	ABBIED600:2014
MtrDmdltrv	ABBIED600_Rev2_ENG_SP_dmdltrv_e	Demand interval	E	ABBIED600:2014
HzAdpEna	ABBIED600_Rev1_SPG_SP_e	Frequency adaptivity	E	ABBIED600:2014,order code dependent
ModRemCtl	ABBIED600_Rev2_ENG_SP_ModRemCtrl_e	Authority for remote activation of test mode	E	ABBIED600:2014
LangSel	ABBIED600_Rev5_ENG_SP_Languages_e	Language selection	E	ABBIED600:2014
Contr	ABBIED600_Rev1_ING_SP_1_e	Contrast selection	E	ABBIED600:2014
NumFrm	ABBIED600_Rev1_ING_SP_1_e	NUMf	E	ABBIED600:2014
LgtLivTm	ABBIED600_Rev1_ING_SP_1_e	Backlight timeout	E	ABBIED600:2014
TmFrm	ABBIED600_Rev2_ENG_SP_FormatTime_e	Time format	E	ABBIED600:2014
DateFrm	ABBIED600_Rev2_ENG_SP_FormatDate_e	Date format	E	ABBIED600:2014
NamConvn	ABBIED600_Rev2_ENG_SP_NamingConvention_e	FB naming convention	E	ABBIED600:2014
DftVw	ABBIED600_Rev4_ENG_SP_DefaultView_e	Default view	E	ABBIED600:2014
AcsMod	ABBIED600_Rev2_ENG_SP_WhmiMod_e	Web HMI mode	E	ABBIED600:2014
ConnEx-pTm	ABBIED600_Rev1_ING_SP_1_e	Web HMI timeout	E	ABBIED600:2014

EvtLstClr	ABBIED600_Rev2_SPC_control_e	Event clear	E	ABBIED600:2014,status-only,direct-with-normal-security
SLDSym-Frm	ABBIED600_Rev2_ENG_SP_SLDSymbol-Format_e	SLD symbol format	E	ABBIED600:2014
ScrDITms	ABBIED600_Rev1_ING_SP_1_e	Autoscroll delay	E	ABBIED600:2014
ClsDIMod	ABBIED600_Rev2_ENG_SP_InUse_e	CB close delay mode	E	ABBIED600:2014
ClsDITms	ABBIED600_Rev1_ING_SP_1_e	CB close delay	E	ABBIED600:2014
SetVsb	ABBIED600_Rev2_ENG_SP_SetVsb_e	Setting visibility	E	ABBIED600:2014

6.1.3 LN: GSELPRT1 Name: LPRT (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Beh	ABBIED600_Rev2_ENS_beh_e	Behaviour	E	IEC 61850-7-4:2007
NamPlt	AB-BIED600_Rev1_LPL_InNs_1_e	Name plate	E	IEC 61850-7-4:2007
FrRxCnt	ABBIED600_Rev1_INS	Received msgs		
FrTxCnt	ABBIED600_Rev1_INS	Transmitted Messages		
RxStCnt	ABBIED600_Rev1_INS	Received State Changes		
RxSeqCnt	ABBIED600_Rev1_INS	Received Sequence Number		
RxTestCnt	ABBIED600_Rev1_INS	Received frames with Test bit		
StWrnCnt	ABBIED600_Rev1_INS	State warnings		
SeqWrnCnt	ABBIED600_Rev1_INS	Sequence warnings		
RxTmOutCnt	ABBIED600_Rev1_INS	Receiver Timeouts		
ConfErrCnt	ABBIED600_Rev1_INS	Received ConfRev mismatches		
NdsComCnt	ABBIED600_Rev1_INS	Received frames with NeedsCommissioning bit		
DSErrCnt	ABBIED600_Rev1_INS	Errors in received dataset		
Alm	ABBIED600_Rev1_SPS_e	Alarm	E	IEC 61850-7-4:2007
CntRs	ABBIED600_Rev2_SPC_control_e	Goose counters reset	E	ABBIED600:2014,status-only,direct-with-normal-security

6.1.4 LN: MMSLPORT1 Name: LPRT (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Beh	ABBIED600_Rev2_ENS_beh_e	Behaviour	E	IEC 61850-7-4:2007
NamPlt	ABBIED600_Rev3_LPL_mms_e	Name plate	E	IEC 61850-7-4:2007
SucConn	ABBIED600_Rev1_INS	Successful Connections		
FailConn	ABBIED600_Rev1_INS	Failed Connections		

ConcCnt	ABBIED600_Rev1_INS	Concludes		
TxAbtCnt	ABBIED600_Rev1_INS	Sent Aborts		
RxAbtCnt	ABBIED600_Rev1_INS	Received Aborts		
TxRejCnt	ABBIED600_Rev1_INS	Sent Rejects		
RxRqCnt	ABBIED600_Rev1_INS	Received Request		
FailRqCnt	ABBIED600_Rev1_INS	Failed Requests		
SucReaCnt	ABBIED600_Rev1_INS	Successful Reads		
FailReaCnt	ABBIED600_Rev1_INS	Failed Reads		
SucWrCnt	ABBIED600_Rev1_INS	Successful Writes		
FailWrCnt	ABBIED600_Rev1_INS	Failed Writes		
InfRpCnt	ABBIED600_Rev1_INS	Information Reports		
ActConnCnt	ABBIED600_Rev1_INS	Active Connections		
UnitMod	ABBIED600_Rev2_ENG_SP_Unit-Mod	Unit mode		
SetCnfMod	ABBIED600_Rev2_SPC_technical	Setting group editing mode		status-only,direct-with-normal-security
CntRs	ABBIED600_Rev2_SPC_control	Communication status		status-only,direct-with-normal-security
StdConf1	ABBIED600_Rev1_SPG_SP	Standard conformance		
StdConf2	ABBIED600_Rev1_SPG_SP	Standard conformance		
ChLiv	ABBIED600_Rev1_SPS_e	MMS Communication status	E	IEC 61850-7-4:2007
CliIP1	ABBIED600_Rev1_LPL_VSS_1_20	Client 1 IP address		
CliIP2	ABBIED600_Rev1_LPL_VSS_1_20	Client 2 IP address		
CliIP3	ABBIED600_Rev1_LPL_VSS_1_20	Client 3 IP address		
CliIP4	ABBIED600_Rev1_LPL_VSS_1_20	Client 4 IP address		
CliIP5	ABBIED600_Rev1_LPL_VSS_1_20	Client 5 IP address		

6.1.5 LN: CBPSOF1 Name: PSOF (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD_e	Mode	E	IEC 61850-7-4:2007,status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh_e	Behaviour	E	IEC 61850-7-4:2007
NamPlt	ABBIED600_Rev1_LPL_InNs_1_e	Name plate	E	IEC 61850-7-4:2007
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Op	ABBIED600_Rev1_ACT_simple_e	Operate	E	IEC 61850-7-4:2007
InStr	ABBIED600_Rev1_SPS	Start from function to be accelerated by SOTF		

InDIstr	ABBIED600_Rev1_SPS	Start from function to be accelerated with delay by SOTF		
InCBCls	ABBIED600_Rev1_SPS	External enabling of SOTF by CB close command		
RsDITmms	ABBIED600_Rev1_ING_SG_e	Reset Delay Time	E	IEC 61850-7-4:2007
OpDITmms	ABBIED600_Rev1_ING_SG_e	Operate Delay Time	E	IEC 61850-7-4:2007
TstOutCmd	ABBIED600_Rev20_ENC_TstOut	Test control for outputs		status-only,direct-with-normal-security

6.1.6 LN: FLTRFRC1 Name: RFRC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD_e	Mode	E	IEC 61850-7-4:2007,status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh_e	Behaviour	E	IEC 61850-7-4:2007
NamPlt	ABBIED600_Rev1_LPL_InNs_1_e	Name plate	E	IEC 61850-7-4:2007
Hz	ABBIED600_Rev3_MV_simple_i_e	Frequency	E	IEC 61850-7-4:2007
FltPtR	ABBIED600_Rev3_MV_simple_i	Fault resistance		
FltDiskm	ABBIED600_Rev3_MV_simple_i_e	Distance to fault measured in pu	E	IEC 61850-7-4:2007
OpCnt	ABBIED600_Rev1_INS_e	time	E	IEC 61850-7-4:2007
Blk	ABBIED600_Rev1_SPS_simple_e	Block signal for all binary outputs	E	IEC 61850-7-4:2007
InOp	ABBIED600_Rev1_SPS	Operate input for triggering		
InStr	ABBIED600_Rev1_SPS	Start input for triggering		
RcdRs	ABBIED600_Rev2_SPC_control	Reset fault records		status-only,direct-with-normal-security
SelRow	ABBIED600_Rev2_INC_all_rights	Select recording		status-only,direct-with-normal-security
TrgSet	ABBIED600_Rev2_ENG_SP_TrgSet	Triggering mode		
AMeasMod	ABBIED600_Rev3_ENG_SP_Meas-Mod	A measurement mode		
ProFcn	ABBIED600_Rev26_ENS_ProFcn	Protection function		
StrDur	ABBIED600_Rev3_MV_2	Maximum start duration of all stages during the fault		
StrOpTm	ABBIED600_Rev3_MV_simple_i	Operate time		
ActSetGr	ABBIED600_Rev1_INC_simple_int	Active setting group		status-only
ShotPntr	ABBIED600_Rev1_INS_d	Shot pointer		
Max50DifAA	ABBIED600_Rev3_MV_simple_i	Maximum differential current phase A		
Max50DifAB	ABBIED600_Rev3_MV_simple_i	Maximum differential current phase B		

Max50DifAC	ABBIED600_Rev3_MV_simple_i	Maximum differential current phase C		
Max50RstAA	ABBIED600_Rev3_MV_simple_i	Maximum bias current phase A		
Max50RstAB	ABBIED600_Rev3_MV_simple_i	Maximum bias current phase B		
Max50RstAC	ABBIED600_Rev3_MV_simple_i	Maximum bias current phase C		
DifAPhsA	ABBIED600_Rev3_MV_simple_i	Differential current phase A		
DifAPhsB	ABBIED600_Rev3_MV_simple_i	Differential current phase B		
DifAPhsC	ABBIED600_Rev3_MV_simple_i	Differential current phase C		
RstAPhsA	ABBIED600_Rev3_MV_simple_i	Bias current phase A		
RstAPhsB	ABBIED600_Rev3_MV_simple_i	Bias current phase B		
RstAPhsC	ABBIED600_Rev3_MV_simple_i	Bias current phase C		
DifARes	ABBIED600_Rev3_MV_simple_i	Differential current residual		
RstARes	ABBIED600_Rev3_MV_simple_i	Bias current residual		
Max50APhsA1	ABBIED600_Rev3_MV_simple_i	Maximum phase A current		
Max50APhsB1	ABBIED600_Rev3_MV_simple_i	Maximum phase B current		
Max50APhsC1	ABBIED600_Rev3_MV_simple_i	Maximum phase C current		
Max50ARes1	ABBIED600_Rev3_MV_simple_i	Maximum residual current		
APhsA1	ABBIED600_Rev3_MV_simple_i	Phase A current		
APhsB1	ABBIED600_Rev3_MV_simple_i	Phase B current		
APhsC1	ABBIED600_Rev3_MV_simple_i	Phase C current		
ARes1	ABBIED600_Rev3_MV_simple_i	Residual current		
AResClc1	ABBIED600_Rev3_MV_simple_i	Calculated residual current		
APsSeq1	ABBIED600_Rev3_MV_simple_i	Positive sequence current		
ANgSeq1	ABBIED600_Rev3_MV_simple_i	Negative sequence current		
Max50APhsA2	ABBIED600_Rev3_MV_simple_i	Maximum phase A current (b)		
Max50APhsB2	ABBIED600_Rev3_MV_simple_i	Maximum phase B current (b)		
Max50APhsC2	ABBIED600_Rev3_MV_simple_i	Maximum phase C current (b)		
Max50ARes2	ABBIED600_Rev3_MV_simple_i	Maximum residual current (b)		
APhsA2	ABBIED600_Rev3_MV_simple_i	Phase A current (b)		
APhsB2	ABBIED600_Rev3_MV_simple_i	Phase B current (b)		

APhsC2	ABBIED600_Rev3_MV_simple_i	Phase C current (b)		
ARes2	ABBIED600_Rev3_MV_simple_i	Residual current (b)		
AResClc2	ABBIED600_Rev3_MV_simple_i	Calculated residual current (b)		
APsSeq2	ABBIED600_Rev3_MV_simple_i	Positive sequence current (b)		
ANgSeq2	ABBIED600_Rev3_MV_simple_i	Negative sequence current (b)		
Max50APhsA3	ABBIED600_Rev3_MV_simple_i	Maximum phase A current (c)		
Max50APhsB3	ABBIED600_Rev3_MV_simple_i	Maximum phase B current (c)		
Max50APhsC3	ABBIED600_Rev3_MV_simple_i	Maximum phase C current (c)		
Max50ARes3	ABBIED600_Rev3_MV_simple_i	Maximum residual current (c)		
APhsA3	ABBIED600_Rev3_MV_simple_i	Phase A current (c)		
APhsB3	ABBIED600_Rev3_MV_simple_i	Phase B current (c)		
APhsC3	ABBIED600_Rev3_MV_simple_i	Phase C current (c)		
ARes3	ABBIED600_Rev3_MV_simple_i	Residual current (c)		
AResClc3	ABBIED600_Rev3_MV_simple_i	Calculated residual current (c)		
APsSeq3	ABBIED600_Rev3_MV_simple_i	Positive sequence current (c)		
ANgSeq3	ABBIED600_Rev3_MV_simple_i	Negative sequence current (c)		
PhVPhsA1	ABBIED600_Rev3_MV_simple_i	Phase A voltage		
PhVPhsB1	ABBIED600_Rev3_MV_simple_i	Phase B voltage		
PhVPhsC1	ABBIED600_Rev3_MV_simple_i	Phase C voltage		
PPVPhsAB1	ABBIED600_Rev3_MV_simple_i	Phase A to phase B voltage		
PPVPhsBC1	ABBIED600_Rev3_MV_simple_i	Phase B to phase C voltage		
PPVPhsCA1	ABBIED600_Rev3_MV_simple_i	Phase C to phase A voltage		
VRes1	ABBIED600_Rev3_MV_simple_i	Residual voltage		
VZro1	ABBIED600_Rev3_MV_simple_i	Zero sequence voltage		
VPsSeq1	ABBIED600_Rev3_MV_simple_i	Positive sequence voltage		
VNgSeq1	ABBIED600_Rev3_MV_simple_i	Negative sequence voltage		
PhVPhsA2	ABBIED600_Rev3_MV_simple_i	Phase A voltage (b)		
PhVPhsB2	ABBIED600_Rev3_MV_simple_i	Phase B voltage (b)		
PhVPhsC2	ABBIED600_Rev3_MV_simple_i	Phase C voltage (b)		
PPVPhsAB2	ABBIED600_Rev3_MV_simple_i	Phase A to phase B voltage (b)		

PPVPhsBC2	ABBIED600_Rev3_MV_simple_i	Phase B to phase C voltage (b)		
PPVPhsCA2	ABBIED600_Rev3_MV_simple_i	Phase C to phase A voltage (b)		
VRes2	ABBIED600_Rev3_MV_simple_i	Residual voltage (b)		
VZro2	ABBIED600_Rev3_MV_simple_i	Zero sequence voltage (b)		
VPSeq2	ABBIED600_Rev3_MV_simple_i	Positive sequence voltage (b)		
VNgSeq2	ABBIED600_Rev3_MV_simple_i	Negative sequence voltage (b)		
MaxTmpRI	ABBIED600_Rev3_MV_simple_i	PTTR thermal level		
AMaxNgPs	ABBIED600_Rev3_MV_simple_i	PDNSPTOC1 rat. I2/I1		
DifANAngVN1	ABBIED600_Rev3_MV_simple_i	Angle residual voltage - residual current		
DifAAAngVBC1	ABBIED600_Rev3_MV_simple_i	Angle phase B to phase C voltage - phase A current		
DifABAngVCA1	ABBIED600_Rev3_MV_simple_i	Angle phase C to phase A voltage - phase B current		
DifACAngVAB1	ABBIED600_Rev3_MV_simple_i	Angle phase A to phase B voltage - phase C current		
DifANAngVN2	ABBIED600_Rev3_MV_simple_i	Angle residual voltage - residual current (b)		
DifAAAngVBC2	ABBIED600_Rev3_MV_simple_i	Angle phase B to phase C voltage - phase A current (b)		
DifABAngVCA2	ABBIED600_Rev3_MV_simple_i	Angle phase C to phase A voltage - phase B current (b)		
DifACAngVAB2	ABBIED600_Rev3_MV_simple_i	Angle phase A to phase B voltage - phase C current (b)		
HzRteChg	ABBIED600_Rev3_MV_simple_i	Frequency gradient		
CondNeut	ABBIED600_Rev3_MV_simple_i	Conductance Yo		
SusNeut	ABBIED600_Rev3_MV_simple_i	Susceptance Yo		
PPLoopRis	ABBIED600_Rev3_MV_simple_i	Fault loop resistance		
PPLoopReact	ABBIED600_Rev3_MV_simple_i	Fault loop reactance		
InCBIr	ABBIED600_Rev1_SPS	Breaker open status		
CBCIrtm	ABBIED600_Rev3_MV_simple_i	Breaker clear time		

6.1.7 LN: MDSOPT1 Name: SOPT (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	IEC 61850-7-4:2007,status-only,direct-with-normal-security

Beh	ABBIED600_Rev2_ENS_beh_e	Behaviour	E	IEC 61850-7-4:2007
NamPlt	ABBIED600_Rev1_LPL_InNs_1_e	Name plate	E	IEC 61850-7-4:2007
Blk	ABBIED600_Rev1_SPS_simple_e	Block signal for all binary outputs	E	IEC 61850-7-4:2007
OpTmh	ABBIED600_Rev1_INS_e	OPR_TIME	E	IEC 61850-7-4:2007
OpTmRs	ABBIED600_Rev2_SPC_control	MDSOPT1 operation		status-only,direct-with-normal-security
OpTmWrn	ABBIED600_Rev1_SPS_e	Operation time warning	E	IEC 61850-7-4:2007
OpTmAlm	ABBIED600_Rev1_SPS_e	Operation time alarm	E	IEC 61850-7-4:2007
TmOp	ABBIED600_Rev1_SPS	Indicates that operation time is running		
OpWrnTmh	ABBIED600_Rev1_ING_SP_1_e	Warning value for operation time supervision	E	IEC 61850-7-4:2007
OpAlmTmh	ABBIED600_Rev1_ING_SP_1_e	Alarm value for operation time supervision	E	IEC 61850-7-4:2007
IniOpTmh	ABBIED600_Rev1_ING_SP_1	Initial value for operation time supervision		
OpActTmh	ABBIED600_Rev1_ING_SP_1	Time of day when alarm and warning will occur		
OpActMod	AB-BIED600_Rev2_ENG_SP_TmrAlmMod	Operating time mode for warning and alarm		
TstOutCmd	ABBIED600_Rev20_ENC_TstOut	Test control for outputs		status-only,direct-with-normal-security

6.1.8 LN: HZCCASPVC1 Name: SPVC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD_e	Mode	E	IEC 61850-7-4:2007,status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh_e	Behaviour	E	IEC 61850-7-4:2007
NamPlt	ABBIED600_Rev1_LPL_InNs_1_e	Name plate	E	IEC 61850-7-4:2007
Blk	ABBIED600_Rev1_SPS_simple_e	Block signal for all binary outputs	E	IEC 61850-7-4:2007
Alm	ABBIED600_Rev1_SPS_e	Alarm output	E	IEC 61850-7-4:2007
StrVal	ABBIED600_Rev3_ASG_SG_i_e	Start value	E	IEC 61850-7-4:2007
AlmTmms	ABBIED600_Rev1_ING_SG	Alarm delay time		
RsDITmms	ABBIED600_Rev1_ING_SP_e	Reset Delay Time	E	IEC 61850-7-4:2007
TstOutCmd	ABBIED600_Rev20_ENC_TstOut	Test control for outputs		status-only,direct-with-normal-security
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod	Selects used measurement mode		

AlmOutMod	ABBIED600_Rev2_ENG_SP_TrOut-Mod	Select the operation mode for alarm output		
LORs	ABBIED600_Rev2_SPC_control	Reset lockout alarm		status-only,direct-with-normal-security

6.1.9 LN: HZCCBSPVC1 Name: SPVC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	IEC 61850-7-4:2007,status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh_e	Behaviour	E	IEC 61850-7-4:2007
NamPlt	ABBIED600_Rev1_LPL_InNs_1_e	Name plate	E	IEC 61850-7-4:2007
Blk	ABBIED600_Rev1_SPS_simple_e	Block signal for all binary outputs	E	IEC 61850-7-4:2007
Alm	ABBIED600_Rev1_SPS_e	Alarm output	E	IEC 61850-7-4:2007
StrVal	ABBIED600_Rev3_ASG_SG_i_e	Start value	E	IEC 61850-7-4:2007
AlmTmms	ABBIED600_Rev1_ING_SG	Alarm delay time		
RsDITmms	ABBIED600_Rev1_ING_SP_e	Reset Delay Time	E	IEC 61850-7-4:2007
TstOutCmd	ABBIED600_Rev20_ENC_TstOut	Test control for outputs		status-only,direct-with-normal-security
AMeasMod	ABBIED600_Rev3_ENG_SP_Meas-Mod	Selects used measurement mode		
AlmOutMod	ABBIED600_Rev2_ENG_SP_TrOut-Mod	Select the operation mode for alarm output		
LORs	ABBIED600_Rev2_SPC_control	Reset lockout alarm		status-only,direct-with-normal-security

6.1.10 LN: HZCCCSPVC1 Name: SPVC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	IEC 61850-7-4:2007,status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh_e	Behaviour	E	IEC 61850-7-4:2007
NamPlt	ABBIED600_Rev1_LPL_InNs_1_e	Name plate	E	IEC 61850-7-4:2007
Blk	ABBIED600_Rev1_SPS_simple_e	Block signal for all binary outputs	E	IEC 61850-7-4:2007
Alm	ABBIED600_Rev1_SPS_e	Alarm output	E	IEC 61850-7-4:2007
StrVal	ABBIED600_Rev3_ASG_SG_i_e	Start value	E	IEC 61850-7-4:2007
AlmTmms	ABBIED600_Rev1_ING_SG	Alarm delay time		
RsDITmms	ABBIED600_Rev1_ING_SP_e	Reset Delay Time	E	IEC 61850-7-4:2007
TstOutCmd	ABBIED600_Rev20_ENC_TstOut	Test control for outputs		status-only,direct-with-normal-security
AMeasMod	ABBIED600_Rev3_ENG_SP_Meas-Mod	Selects used measurement mode		

AlmOutMod	ABBIED600_Rev2_ENG_SP_TrOut-Mod	Select the operation mode for alarm output		
LORs	ABBIED600_Rev2_SPC_control	Reset lockout alarm		status-only,direct-with-normal-security

6.1.11 LN: MBSLPR1 Name: LPRT (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	IEC 61850-7-4:2007,status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh_e	Behaviour	E	IEC 61850-7-4:2007
NamPlt	ABBIED600_Rev7_LPL_MBS_ED2_e	Name plate	E	IEC 61850-7-4:2007
BufBkOff	ABBIED600_Rev1_ING_SP_1	Event buffer backoff value		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP listening port		
MapSel	ABBIED600_Rev1_ING_SP_1	Mapping selection		
UnitAddr	ABBIED600_Rev1_ING_SP_1	Slave Address		
StrFrDI	ABBIED600_Rev1_ING_SP_1	Response start delay for serial clients		
EndFrDI	ABBIED600_Rev1_ING_SP_1	Message end delay for serial client		
FrRxCnt	ABBIED600_Rev1_INS	Number of received frames		
ChkErrCnt	ABBIED600_Rev1_INS	Number of checksum errors		
FrTxCnt	ABBIED600_Rev1_INS	Number of transmitted frames		
TxExcpCnt1	ABBIED600_Rev1_INS	Number of transmitted exception responses 01 and 02		
TxExcpCnt2	ABBIED600_Rev1_INS	Number of transmitted exception responses 03		
ChLiv	ABBIED600_Rev1_SPS_e	Communication status (True = OK, False = Not connected)	E	IEC 61850-7-4:2007
CommInt-nOv	ABBIED600_Rev1_SPS	Internal Overflow indication		
ConnRejSck	ABBIED600_Rev1_INS	Connection rejected due to no socket available		
ConnRejRg	ABBIED600_Rev1_INS	Connection rejected due to unregistered client		
CtlPwd1	ABBIED600_Rev3_VSG_2_20	Control Struct Password 1		

CtlPwd2	ABBIED600_Rev3_VSG_2_20	Control Struct Password 2		
CtlPwd3	ABBIED600_Rev3_VSG_2_20	Control Struct Password 3		
CtlPwd4	ABBIED600_Rev3_VSG_2_20	Control Struct Password 4		
CtlPwd5	ABBIED600_Rev3_VSG_2_20	Control Struct Password 5		
CtlPwd6	ABBIED600_Rev3_VSG_2_20	Control Struct Password 6		
CtlPwd7	ABBIED600_Rev3_VSG_2_20	Control Struct Password 7		
CtlPwd8	ABBIED600_Rev3_VSG_2_20	Control Struct Password 8		
CommPort	AB-BIED600_Rev3_ENG_SP_CommPort_ED2	Port selection		
LnkMod	ABBIED600_Rev2_ENG_SP_LnkMod	Link mode		
MBWrAuth	ABBIED600_Rev2_ENG_SP_MBWrAuth	Write authority		
EvtIdSel	ABBIED600_Rev2_ENG_SP_MBSEventID	Event ID selection		
EvtBufMod	ABBIED600_Rev2_ENG_SP_MBEvtBufMod	Event buffering mode		
CRCOrdr	ABBIED600_Rev2_ENG_SP_CRCOrd	CRC order		
TmFrm	ABBIED600_Rev2_ENG_SP_MBSTimeFormat	Time format		
CliIP	ABBIED600_Rev3_VSG_2_20	Client IP address		
SerPty	ABBIED600_Rev2_ENG_SP_SerPty	Serial parity		
CntRs	ABBIED600_Rev2_SPC_control	Diagnostic counters reset		status-only,direct-with-normal-security

6.1.12 LN: MBSLPRT2 Name: LPRT (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	IEC 61850-7-4:2007,status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh_e	Behaviour	E	IEC 61850-7-4:2007
NamPlt	ABBIED600_Rev7_LPL_MBS_ED2_e	Name plate	E	IEC 61850-7-4:2007
BufBkOff	ABBIED600_Rev1_ING_SP_1	Event buffer backoff value		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP listening port		
MapSel	ABBIED600_Rev1_ING_SP_1	Mapping selection		
UnitAddr	ABBIED600_Rev1_ING_SP_1	Slave Address		
StrFrDI	ABBIED600_Rev1_ING_SP_1	Response start delay for serial clients		
EndFrDI	ABBIED600_Rev1_ING_SP_1	Message end delay for serial client		

FrRxCnt	ABBIED600_Rev1_INS	Number of received frames		
ChkErrCnt	ABBIED600_Rev1_INS	Number of check-sum errors		
FrTxCnt	ABBIED600_Rev1_INS	Number of transmitted frames		
TxExcpCnt1	ABBIED600_Rev1_INS	Number of transmitted exception responses 01 and 02		
TxExcpCnt2	ABBIED600_Rev1_INS	Number of transmitted exception responses 03		
ChLiv	ABBIED600_Rev1_SPS_e	Communication status (True = OK, False = Not connected)	E	IEC 61850-7-4:2007
CommInt-nOv	ABBIED600_Rev1_SPS	Internal Overflow indication		
ConnRejSck	ABBIED600_Rev1_INS	Connection rejected due to no socket available		
ConnRejRg	ABBIED600_Rev1_INS	Connection rejected due to unregistered client		
CtlPwd1	ABBIED600_Rev3_VSG_2_20	Control Struct Password 1		
CtlPwd2	ABBIED600_Rev3_VSG_2_20	Control Struct Password 2		
CtlPwd3	ABBIED600_Rev3_VSG_2_20	Control Struct Password 3		
CtlPwd4	ABBIED600_Rev3_VSG_2_20	Control Struct Password 4		
CtlPwd5	ABBIED600_Rev3_VSG_2_20	Control Struct Password 5		
CtlPwd6	ABBIED600_Rev3_VSG_2_20	Control Struct Password 6		
CtlPwd7	ABBIED600_Rev3_VSG_2_20	Control Struct Password 7		
CtlPwd8	ABBIED600_Rev3_VSG_2_20	Control Struct Password 8		
CommPort	AB-BIED600_Rev3_ENG_SP_CommPort_ED2	Port selection		
LnkMod	ABBIED600_Rev2_ENG_SP_LnkMod	Link mode		
MBWrAuth	ABBIED600_Rev2_ENG_SP_MBWrAuth	Write authority		
EvtIdSel	ABBIED600_Rev2_ENG_SP_MBSEventID	Event ID selection		
EvtBufMod	ABBIED600_Rev2_ENG_SP_MBEvtBufMod	Event buffering mode		
CRCOrdr	ABBIED600_Rev2_ENG_SP_CRCOrd	CRC order		
TmFrm	ABBIED600_Rev2_ENG_SP_MBSTimeFormat	Time format		

CliIP	ABBIED600_Rev3_VSG_2_20	Client IP address		
SerPty	ABBIED600_Rev2_ENG_SP_SerPty	Serial parity		
CntRs	ABBIED600_Rev2_SPC_control	Diagnostic counters reset		status-only,direct-with-normal-security

6.1.13 LN: MBSLPORT3 Name: LPRT (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	IEC 61850-7-4:2007,status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh_e	Behaviour	E	IEC 61850-7-4:2007
NamPlt	ABBIED600_Rev7_LPL_MBS_ED2_e	Name plate	E	IEC 61850-7-4:2007
BufBkOff	ABBIED600_Rev1_ING_SP_1	Event buffer backoff value		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP listening port		
MapSel	ABBIED600_Rev1_ING_SP_1	Mapping selection		
UnitAddr	ABBIED600_Rev1_ING_SP_1	Slave Address		
StrFrDI	ABBIED600_Rev1_ING_SP_1	Response start delay for serial clients		
EndFrDI	ABBIED600_Rev1_ING_SP_1	Message end delay for serial client		
FrRxCnt	ABBIED600_Rev1_INS	Number of received frames		
ChkErrCnt	ABBIED600_Rev1_INS	Number of checksum errors		
FrTxCnt	ABBIED600_Rev1_INS	Number of transmitted frames		
TxExcpCnt1	ABBIED600_Rev1_INS	Number of transmitted exception responses 01 and 02		
TxExcpCnt2	ABBIED600_Rev1_INS	Number of transmitted exception responses 03		
ChLiv	ABBIED600_Rev1_SPS_e	Communication status (True = OK, False = Not connected)	E	IEC 61850-7-4:2007
CommIntnOv	ABBIED600_Rev1_SPS	Internal Overflow indication		
ConnRejSck	ABBIED600_Rev1_INS	Connection rejected due to no socket available		
ConnRejRg	ABBIED600_Rev1_INS	Connection rejected due to unregistered client		
CtlPwd1	ABBIED600_Rev3_VSG_2_20	Control Struct Password 1		

CtlPwd2	ABBIED600_Rev3_VSG_2_20	Control Struct Password 2		
CtlPwd3	ABBIED600_Rev3_VSG_2_20	Control Struct Password 3		
CtlPwd4	ABBIED600_Rev3_VSG_2_20	Control Struct Password 4		
CtlPwd5	ABBIED600_Rev3_VSG_2_20	Control Struct Password 5		
CtlPwd6	ABBIED600_Rev3_VSG_2_20	Control Struct Password 6		
CtlPwd7	ABBIED600_Rev3_VSG_2_20	Control Struct Password 7		
CtlPwd8	ABBIED600_Rev3_VSG_2_20	Control Struct Password 8		
CommPort	AB-BIED600_Rev3_ENG_SP_CommPort_ED2	Port selection		
LnkMod	ABBIED600_Rev2_ENG_SP_LnkMod	Link mode		
MBWrAuth	ABBIED600_Rev2_ENG_SP_MBWrAuth	Write authority		
EvtIdSel	ABBIED600_Rev2_ENG_SP_MBSEventID	Event ID selection		
EvtBufMod	ABBIED600_Rev2_ENG_SP_MBEvtBufMod	Event buffering mode		
CRCOrdr	ABBIED600_Rev2_ENG_SP_CRCOrd	CRC order		
TmFrm	ABBIED600_Rev2_ENG_SP_MBSTimeFormat	Time format		
CliIP	ABBIED600_Rev3_VSG_2_20	Client IP address		
SerPty	ABBIED600_Rev2_ENG_SP_SerPty	Serial parity		
CntRs	ABBIED600_Rev2_SPC_control	Diagnostic counters reset		status-only,direct-with-normal-security

6.1.14 LN: MBSLPRT4 Name: LPRT (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	IEC 61850-7-4:2007,status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh_e	Behaviour	E	IEC 61850-7-4:2007
NamPlt	ABBIED600_Rev7_LPL_MBS_ED2_e	Name plate	E	IEC 61850-7-4:2007
BufBkOff	ABBIED600_Rev1_ING_SP_1	Event buffer backoff value		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP listening port		
MapSel	ABBIED600_Rev1_ING_SP_1	Mapping selection		
UnitAddr	ABBIED600_Rev1_ING_SP_1	Slave Address		
StrFrDI	ABBIED600_Rev1_ING_SP_1	Response start delay for serial clients		
EndFrDI	ABBIED600_Rev1_ING_SP_1	Message end delay for serial client		

FrRxCnt	ABBIED600_Rev1_INS	Number of received frames		
ChkErrCnt	ABBIED600_Rev1_INS	Number of check-sum errors		
FrTxCnt	ABBIED600_Rev1_INS	Number of transmitted frames		
TxExcpCnt1	ABBIED600_Rev1_INS	Number of transmitted exception responses 01 and 02		
TxExcpCnt2	ABBIED600_Rev1_INS	Number of transmitted exception responses 03		
ChLiv	ABBIED600_Rev1_SPS_e	Communication status (True = OK, False = Not connected)	E	IEC 61850-7-4:2007
CommInt-nOv	ABBIED600_Rev1_SPS	Internal Overflow indication		
ConnRejSck	ABBIED600_Rev1_INS	Connection rejected due to no socket available		
ConnRejRg	ABBIED600_Rev1_INS	Connection rejected due to unregistered client		
CtlPwd1	ABBIED600_Rev3_VSG_2_20	Control Struct Password 1		
CtlPwd2	ABBIED600_Rev3_VSG_2_20	Control Struct Password 2		
CtlPwd3	ABBIED600_Rev3_VSG_2_20	Control Struct Password 3		
CtlPwd4	ABBIED600_Rev3_VSG_2_20	Control Struct Password 4		
CtlPwd5	ABBIED600_Rev3_VSG_2_20	Control Struct Password 5		
CtlPwd6	ABBIED600_Rev3_VSG_2_20	Control Struct Password 6		
CtlPwd7	ABBIED600_Rev3_VSG_2_20	Control Struct Password 7		
CtlPwd8	ABBIED600_Rev3_VSG_2_20	Control Struct Password 8		
CommPort	AB-BIED600_Rev3_ENG_SP_CommPort_ED2	Port selection		
LnkMod	ABBIED600_Rev2_ENG_SP_LnkMod	Link mode		
MBWrAuth	ABBIED600_Rev2_ENG_SP_MBWrAuth	Write authority		
EvtIdSel	ABBIED600_Rev2_ENG_SP_MBSEventID	Event ID selection		
EvtBufMod	ABBIED600_Rev2_ENG_SP_MBEvtBufMod	Event buffering mode		
CRCOrdr	ABBIED600_Rev2_ENG_SP_CRCOrd	CRC order		
TmFrm	ABBIED600_Rev2_ENG_SP_MBSTimeFormat	Time format		

CliIP	ABBIED600_Rev3_VSG_2_20	Client IP address		
SerPty	ABBIED600_Rev2_ENG_SP_SerPty	Serial parity		
CntRs	ABBIED600_Rev2_SPC_control	Diagnostic counters reset		status-only,direct-with-normal-security

6.1.15 LN: MBSLPR5 Name: LPRT (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD_e	Mode	E	IEC 61850-7-4:2007,status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh_e	Behaviour	E	IEC 61850-7-4:2007
NamPlt	ABBIED600_Rev7_LPL_MBS_ED2_e	Name plate	E	IEC 61850-7-4:2007
BufBkOff	ABBIED600_Rev1_ING_SP_1	Event buffer backoff value		
TCPPort	ABBIED600_Rev1_ING_SP_1	TCP listening port		
MapSel	ABBIED600_Rev1_ING_SP_1	Mapping selection		
UnitAddr	ABBIED600_Rev1_ING_SP_1	Slave Address		
StrFrDI	ABBIED600_Rev1_ING_SP_1	Response start delay for serial clients		
EndFrDI	ABBIED600_Rev1_ING_SP_1	Message end delay for serial client		
FrRxCnt	ABBIED600_Rev1_INS	Number of received frames		
ChkErrCnt	ABBIED600_Rev1_INS	Number of checksum errors		
FrTxCnt	ABBIED600_Rev1_INS	Number of transmitted frames		
TxExcpCnt1	ABBIED600_Rev1_INS	Number of transmitted exception responses 01 and 02		
TxExcpCnt2	ABBIED600_Rev1_INS	Number of transmitted exception responses 03		
ChLiv	ABBIED600_Rev1_SPS_e	Communication status (True = OK, False = Not connected)	E	IEC 61850-7-4:2007
CommIntnOv	ABBIED600_Rev1_SPS	Internal Overflow indication		
ConnRejSck	ABBIED600_Rev1_INS	Connection rejected due to no socket available		
ConnRejRg	ABBIED600_Rev1_INS	Connection rejected due to unregistered client		
CtlPwd1	ABBIED600_Rev3_VSG_2_20	Control Struct Password 1		

CtlPwd2	ABBIED600_Rev3_VSG_2_20	Control Struct Password 2		
CtlPwd3	ABBIED600_Rev3_VSG_2_20	Control Struct Password 3		
CtlPwd4	ABBIED600_Rev3_VSG_2_20	Control Struct Password 4		
CtlPwd5	ABBIED600_Rev3_VSG_2_20	Control Struct Password 5		
CtlPwd6	ABBIED600_Rev3_VSG_2_20	Control Struct Password 6		
CtlPwd7	ABBIED600_Rev3_VSG_2_20	Control Struct Password 7		
CtlPwd8	ABBIED600_Rev3_VSG_2_20	Control Struct Password 8		
CommPort	AB-BIED600_Rev3_ENG_SP_CommPort_ED2	Port selection		
LnkMod	ABBIED600_Rev2_ENG_SP_LnkMod	Link mode		
MBWrAuth	ABBIED600_Rev2_ENG_SP_MBWrAuth	Write authority		
EvtIdSel	ABBIED600_Rev2_ENG_SP_MBSEventID	Event ID selection		
EvtBufMod	ABBIED600_Rev2_ENG_SP_MBEvtBufMod	Event buffering mode		
CRCOrdr	ABBIED600_Rev2_ENG_SP_CRCOrd	CRC order		
TmFrm	ABBIED600_Rev2_ENG_SP_MBSTimeFormat	Time format		
CliIP	ABBIED600_Rev3_VSG_2_20	Client IP address		
SerPty	ABBIED600_Rev2_ENG_SP_SerPty	Serial parity		
CntRs	ABBIED600_Rev2_SPC_control	Diagnostic counters reset		status-only,direct-with-normal-security

6.2 Extented Logical Nodes

6.2.1 LN: LLN0 Name: LLN0 (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On-TestBlock	Test mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
NamPlt	AB-BIED600_Rev8_LPL_LD0_LNN0_ED2	Name plate		
IndLEDs	ABBIED600_Rev2_SPC_indications_e	Indications and LEDs	E	ABBIED600:2014,status-only,direct-with-normal-security
ProgLEDs	ABBIED600_Rev2_SPC_indications_e	Programmable LEDs	E	ABBIED600:2014,status-only,direct-with-normal-security
MeasSta-tRs	ABBIED600_Rev2_SPC_control_e	Reset minimum and maximum demands	E	ABBIED600:2014,status-only,direct-with-normal-security

PQRs	ABBIED600_Rev2_SPC_control_e	Reset all power quality data	E	ABBIED600:2014,status-only,direct-with-normal-security,order code dependent
OpMod-SetGr	ABBIED600_Rev2_ENG_SP_Op-ModSG_e	Operation mode for setting group change	E	ABBIED600:2014
ActSetGr	ABBIED600_Rev2_INC_control_int_e	Active setting group	E	ABBIED600:2014,status-only,direct-with-normal-security
Act1SetGr	ABBIED600_Rev1_SPC_simple_e	Active setting group 1	E	ABBIED600:2014,status-only
Act2SetGr	ABBIED600_Rev1_SPC_simple_e	Active setting group 2	E	ABBIED600:2014,status-only
Act3SetGr	ABBIED600_Rev1_SPC_simple_e	Active setting group 3	E	ABBIED600:2014,status-only
Act4SetGr	ABBIED600_Rev1_SPC_simple_e	Active setting group 4	E	ABBIED600:2014,status-only
Act5SetGr	ABBIED600_Rev1_SPC_simple_e	Active setting group 5	E	ABBIED600:2014,status-only
Act6SetGr	ABBIED600_Rev1_SPC_simple_e	Active setting group 6	E	ABBIED600:2014,status-only
LgcSel-SetGr	ABBIED600_Rev1_SPC_simple_e	Logic selection for setting group	E	ABBIED600:2014,status-only
FcnSt	ABBIED600_Rev1_VSG_2_e	Configuration information	E	ABBIED600:2014
ParChgCnt	ABBIED600_Rev1_INS_retain_e	Number of setting changes	E	ABBIED600:2014

6.2.2 LN: GSAL1 Name: GSAL (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
OpCntRs	ABBIED600_Rev1_INC_simple_int	Resetable Security Violations counter		status-only
NumCntRs	ABBIED600_Rev1_INS	Number of counter resets		
AuthFail	ABBIED600_Rev1_SEC	Authorization failures detected		
AcsCtlFail	ABBIED600_Rev1_SEC	Access control failures detected		
SvcViol	ABBIED600_Rev1_SEC	Service privilege violations		
Ina	ABBIED600_Rev1_SEC	Inactive associations		
AuthRem	ABBIED600_Rev3_SPG_SP_authority_ED2_e	Remote authorization	E	AB-BIED600:2014
AuthAcsVw	ABBIED600_Rev10_ENS_AuthAcs_e	Viewer access	E	REx615:2014
AuthAcsOpr	ABBIED600_Rev10_ENS_AuthAcs_e	Operator access	E	REx615:2014
AuthAcsEng	ABBIED600_Rev10_ENS_AuthAcs_e	Engineer access	E	REx615:2014
AuthAcsAdm	ABBIED600_Rev10_ENS_AuthAcs_e	Administrator access	E	REx615:2014

AuthAcsLev	ABBIED600_Rev2_ENG_SP_AuthAcsLev_e	Logging level	E	REx615:2014
RemUpdEna	ABBIED600_Rev1_SPG_SP_AccessAdmW_e	Remote Update Enable	E	AB-BIED600:2014
AuthRemAdm	ABBIED600_Rev1_VSG_2_64_e	Remote authorization (administrator)	E	AB-BIED600:2014
AuthRemEng	ABBIED600_Rev1_VSG_2_64_e	Remote authorization (engineer)	E	AB-BIED600:2014
AuthRemOpr	ABBIED600_Rev1_VSG_2_64_e	Remote authorization (operator)	E	AB-BIED600:2014
AuthRemVw	ABBIED600_Rev1_VSG_2_64_e	Remote authorization (viewer)	E	AB-BIED600:2014

6.2.3 LN: IHMI1 Name: IHMI (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
CardNam	ABBIED600_Rev8_DPL_eeprom_2_ED2_e	Card information	E	ABBIED600:2014
TestStald	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	ABBIED600:2014
HwId	ABBIED600_Rev1_LPL_VSS_1_20_e	HW module	E	ABBIED600:2014

6.2.4 LN: LEDGGIO1 Name: GGPIO (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Alm1	ABBIED600_Rev1_SPS_simple	Alarm input for LED 1		
Alm2	ABBIED600_Rev1_SPS_simple	Alarm input for LED 2		
Alm3	ABBIED600_Rev1_SPS_simple	Alarm input for LED 3		
Alm4	ABBIED600_Rev1_SPS_simple	Alarm input for LED 4		
Alm5	ABBIED600_Rev1_SPS_simple	Alarm input for LED 5		
Alm6	ABBIED600_Rev1_SPS_simple	Alarm input for LED 6		
Alm7	ABBIED600_Rev1_SPS_simple	Alarm input for LED 7		
Alm8	ABBIED600_Rev1_SPS_simple	Alarm input for LED 8		
Alm9	ABBIED600_Rev1_SPS_simple	Alarm input for LED 9		order code dependent
Alm10	ABBIED600_Rev1_SPS_simple	Alarm input for LED 10		order code dependent
Alm11	ABBIED600_Rev1_SPS_simple	Alarm input for LED 11		order code dependent

Ind1	ABBIED600_Rev1_SPS_simple	Ok input for LED 1		
Ind2	ABBIED600_Rev1_SPS_simple	Ok input for LED 2		
Ind3	ABBIED600_Rev1_SPS_simple	Ok input for LED 3		
Ind4	ABBIED600_Rev1_SPS_simple	Ok input for LED 4		
Ind5	ABBIED600_Rev1_SPS_simple	Ok input for LED 5		
Ind6	ABBIED600_Rev1_SPS_simple	Ok input for LED 6		
Ind7	ABBIED600_Rev1_SPS_simple	Ok input for LED 7		
Ind8	ABBIED600_Rev1_SPS_simple	Ok input for LED 8		
Ind9	ABBIED600_Rev1_SPS_simple	Ok input for LED 9		order code dependent
Ind10	ABBIED600_Rev1_SPS_simple	Ok input for LED 10		order code dependent
Ind11	ABBIED600_Rev1_SPS_simple	Ok input for LED 11		order code dependent
LEDSt1	ABBIED600_Rev4_ENC_control_led_e	LED 1	E	ABBIED600:2014,status-only,direct-with-normal-security
LEDSt2	ABBIED600_Rev4_ENC_control_led_e	LED 2	E	ABBIED600:2014,status-only,direct-with-normal-security
LEDSt3	ABBIED600_Rev4_ENC_control_led_e	LED 3	E	ABBIED600:2014,status-only,direct-with-normal-security
LEDSt4	ABBIED600_Rev4_ENC_control_led_e	LED 4	E	ABBIED600:2014,status-only,direct-with-normal-security
LEDSt5	ABBIED600_Rev4_ENC_control_led_e	LED 5	E	ABBIED600:2014,status-only,direct-with-normal-security
LEDSt6	ABBIED600_Rev4_ENC_control_led_e	LED 6	E	ABBIED600:2014,status-only,direct-with-normal-security
LEDSt7	ABBIED600_Rev4_ENC_control_led_e	LED 7	E	ABBIED600:2014,status-only,direct-with-normal-security
LEDSt8	ABBIED600_Rev4_ENC_control_led_e	LED 8	E	ABBIED600:2014,status-only,direct-with-normal-security
LEDSt9	ABBIED600_Rev4_ENC_control_led_e	LED 9	E	ABBIED600:2014,status-only,direct-with-normal-security,order code dependent
LEDSt10	ABBIED600_Rev4_ENC_control_led_e	LED 10	E	ABBIED600:2014,status-only,direct-with-normal-security,order code dependent
LEDSt11	ABBIED600_Rev4_ENC_control_led_e	LED 11	E	ABBIED600:2014,status-only,direct-with-normal-security,order code dependent
LEDSeq1	ABBIED600_Rev3_ENG_SP_Led-Mode_e	Alarm mode	E	ABBIED600:2014

LEDSeq2	ABBIED600_Rev3_ENG_SP_Led-Mode_e	Alarm mode	E	ABBIED600:2014
LEDSeq3	ABBIED600_Rev3_ENG_SP_Led-Mode_e	Alarm mode	E	ABBIED600:2014
LEDSeq4	ABBIED600_Rev3_ENG_SP_Led-Mode_e	Alarm mode	E	ABBIED600:2014
LEDSeq5	ABBIED600_Rev3_ENG_SP_Led-Mode_e	Alarm mode	E	ABBIED600:2014
LEDSeq6	ABBIED600_Rev3_ENG_SP_Led-Mode_e	Alarm mode	E	ABBIED600:2014
LEDSeq7	ABBIED600_Rev3_ENG_SP_Led-Mode_e	Alarm mode	E	ABBIED600:2014
LEDSeq8	ABBIED600_Rev3_ENG_SP_Led-Mode_e	Alarm mode	E	ABBIED600:2014
LEDSeq9	ABBIED600_Rev3_ENG_SP_Led-Mode_e	Alarm mode	E	ABBIED600:2014,order code dependent
LEDSeq10	ABBIED600_Rev3_ENG_SP_Led-Mode_e	Alarm mode	E	ABBIED600:2014,order code dependent
LEDSeq11	ABBIED600_Rev3_ENG_SP_Led-Mode_e	Alarm mode	E	ABBIED600:2014,order code dependent
InRsLED1	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 1	E	ABBIED600:2014
InRsLED2	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 2	E	ABBIED600:2014
InRsLED3	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 3	E	ABBIED600:2014
InRsLED4	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 4	E	ABBIED600:2014
InRsLED5	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 5	E	ABBIED600:2014
InRsLED6	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 6	E	ABBIED600:2014
InRsLED7	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 7	E	ABBIED600:2014
InRsLED8	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 8	E	ABBIED600:2014
InRsLED9	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 9	E	ABBIED600:2014,order code dependent
InRsLED10	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 10	E	ABBIED600:2014,order code dependent
InRsLED11	ABBIED600_Rev1_SPS_simple_e	Reset input for LED 11	E	ABBIED600:2014,order code dependent
AlmColr	ABBIED600_Rev3_ENG_SP_Led-Color_e	Alarm colour	E	ABBIED600:2014

6.2.5 LN: XGGIO100 Name: GGIO (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	ABBIED600_Rev1_ENC_Mod_OnOff_No-Blk	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
SPCSO1	ABBIED600_Rev2_SPC_control	X100-Output 1		status-only,direct-with-normal-security
SPCSO2	ABBIED600_Rev2_SPC_control	X100-Output 2		status-only,direct-with-normal-security
SPCSO3	ABBIED600_Rev2_SPC_control	X100-Output 3		status-only,direct-with-normal-security
SPCSO4	ABBIED600_Rev2_SPC_control	X100-Output 4		status-only,direct-with-normal-security
SPCSO5	ABBIED600_Rev2_SPC_control	X100-Output 5		status-only,direct-with-normal-security
SPCSO6	ABBIED600_Rev2_SPC_control	X100-Output 6		status-only,direct-with-normal-security
CardNam	AB-BIED600_Rev8_DPL_eeprom_2_ED2_e	Card information	E	ABBIED600:2014
Hwld	ABBIED600_Rev1_LPL_VSS_1_20_e	HW module	E	ABBIED600:2014
TestStald	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	ABBIED600:2014

6.2.6 LN: GNRLLTMS1 Name: LTMS (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
TmAcc	ABBIED600_Rev1_INS	Number of significant bits in the Fraction Of Second in the time accuracy part of the time stamp.		
TmSrc	ABBIED600_Rev1_LPL_VSS_1_64	Current time source		
TmSyn	ABBIED600_Rev1_ENS_TmSyn	Time synchronized according to IEC 61850-9-2		
TmChSt1	ABBIED600_Rev1_SPS	Time channel status (up/down)		
TmSrcSel1	AB-BIED600_Rev6_ENG_SP_SyncSrc_e	Time source setting ("1588" in case the time source is a IEEE 1588 source or dotted IP-address)	E	AB-BIED600:2014
TmSrcSt	ABBIED600_Rev4_ENS_TmSrc_e	Current time source	E	AB-BIED600:2014
DomId	ABBIED600_Rev1_ING_SP_1_e	The domain is identified by an integer, the domainNumber, in the range of 0 to 255.	E	AB-BIED600:2014
Alm	ABBIED600_Rev1_SPS_e	Alarm	E	IEC 61850-7-4:2007
Wrn	ABBIED600_Rev1_SPS_e	Warning	E	IEC 61850-7-4:2007
PTPTmSrc	ABBIED600_Rev2_ENS_PTPTmSrc_e	GrandMaster timeSource enum according to PTPv2	E	AB-BIED600:2014
PTPCLKAcc	ABBIED600_Rev2_ENS_PTPCLKAcc_e	Grandmaster clockAccuracy enum according to PTPv2	E	AB-BIED600:2014

LocClkAcc	ABBIED600_Rev1_INS_e	Local clock accuracy (master + IED synch accuracy)[us]	E	AB-BIED600:2014
MaxDevAcc	ABBIED600_Rev1_INS_e	Maximum deviation of the Local synch accuracy [us]	E	AB-BIED600:2014
PTPPrio1	ABBIED600_Rev1_ING_SP_1_e	PTP priority 1, in the range of 0 to 255.	E	AB-BIED600:2014
PTPPrio2	ABBIED600_Rev1_ING_SP_1_e	PTP priority 2, in the range of 0 to 255.	E	AB-BIED600:2014
MstrId	ABBIED600_Rev2_VSG_1_20_e	Grandmaster Identity octet string according to PTPv2	E	AB-BIED600:2014
IPAd-drSNTP1	ABBIED600_Rev3_VSG_2_20_e	IP address for SNTP primary server	E	AB-BIED600:2014
IPAd-drSNTP2	ABBIED600_Rev3_VSG_2_20_e	IP address for SNTP secondary server	E	AB-BIED600:2014
PTPAnc-Mod	AB-BIED600_Rev1_ENG_SP_PTPAnc-Mod_e	PTP Announce Mode	E	AB-BIED600:2014

6.2.7 LN: GNRLLTIM1 Name: LTIM (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
TmDT	ABBIED600_Rev1_SPS	Indicating if DST is in effect		
TmOfsTmm	ABBIED600_Rev1_ING_SP_1	Offset of local time from UTC in minutes		
TmUseDT	ABBIED600_Rev1_SPG_SP	DST in use setting		
TmChgDT	ABBIED600_Rev2_TSG_SP_set-Cal	Local time of next change to daylight saving time		
TmChgST	ABBIED600_Rev2_TSG_SP_set-Cal	Local time of next change to standard time		
TmSys	ABBIED600_Rev3_VSG_2_20_e	System time	E	AB-BIED600:2014
DateSys	ABBIED600_Rev3_VSG_2_20_e	System date	E	AB-BIED600:2014
TmOfsDT	ABBIED600_Rev1_ING_SP_1_e	Daylight saving time offset	E	AB-BIED600:2014

6.2.8 LN: CMMXU1 Name: MMXU (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Operation		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
A	AB-BIED600_Rev3_WYE_threephase_full_i	Phase currents		
AMeas-Mod	ABBIED600_Rev3_ENG_SP_Meas-Mod_e	Selects used measurement mode	E	ABBIED600:2014

NumPh	AB-BIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required by limit supervision	E	ABBIED600:2014
HiAlm	ABBIED600_Rev1_SPS_e	High alarm	E	ABBIED600:2014
HiWrn	ABBIED600_Rev1_SPS_e	High warning	E	ABBIED600:2014
LoWrn	ABBIED600_Rev1_SPS_e	Low warning	E	ABBIED600:2014
LoAlm	ABBIED600_Rev1_SPS_e	Low alarm	E	ABBIED600:2014
RcdRs	ABBIED600_Rev2_SPC_control_e	CMMXU1 demands	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.9 LN: RESCMMXU1 Name: MMXU (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Operation		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
A	ABBIED600_Rev3_WYE_res_full_i	Residual current		
AMeas-Mod	ABBIED600_Rev3_ENG_SP_Meas-Mod_e	Selects used measurement mode	E	ABBIED600:2014
HiAlm	ABBIED600_Rev1_SPS_e	High alarm	E	ABBIED600:2014
HiWrn	ABBIED600_Rev1_SPS_e	High warning	E	ABBIED600:2014
RcdRs	ABBIED600_Rev2_SPC_control_e	RESCMMXU1 demands	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.10 LN: PHIPTOC1 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	ABBIED600:2014
NumPh	AB-BIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	ABBIED600:2014
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	ABBIED600:2014

StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.11 LN: NSPTOC1 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	ABBIED600:2014
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.12 LN: NSPTOC2 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		

Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDITmms	ABBIED600_Rev1_ING SG	Operate Delay Time		
TypRsCrv	AB-BIED600_Rev3_ENG SG_TypRsCrv	Type of Reset Curve		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	ABBIED600:2014
StrValMult	ABBIED600_Rev3_ASG SG_i_e	Multiplier for scaling the start value	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.13 LN: PDNSPTOC1 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG SG_i	Start value		
OpDITmms	ABBIED600_Rev1_ING SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
ImbNgA	ABBIED600_Rev3_MV_simple_i_e	Measured current ratio I2 / I1	E	IEC 61850-7-4:2007

MinPhA	ABBIED600_Rev3_ASG_SP_i_e	Minimum phase current	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.14 LN: T1PTTR1 Name: PTTR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Tmp	ABBIED600_Rev3_MV_simple_i	TEMP		
TmpRI	ABBIED600_Rev3_MV_simple_i	TEMP_RL		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
AlmThm	ABBIED600_Rev1_SPS	Thermal Alarm		
TmpMax	ABBIED600_Rev3_ASG_SG_i	Operate level temperature		
ConsTms1	ABBIED600_Rev1_ING_SG	Time constant for thermal model		
AlmVal	ABBIED600_Rev3_ASG_SG_i	Alarm level temperature		
RsTmp	ABBIED600_Rev2_SPC_control_e	Reset temperature	E	ABBIED600:2014,status-only,direct-with-normal-security
InEnaMult	ABBIED600_Rev1_SPS_e	Enable multiplier for reference setting	E	ABBIED600:2014
BlkThm	ABBIED600_Rev1_SPS	Block reclose signal		
TmpUsed	ABBIED600_Rev3_MV_simple_i_e	The ambient temperature used in the calculation	E	ABBIED600:2014
TmpAmb	ABBIED600_Rev3_MV_simple_i_e	Ambient temperature	E	ABBIED600:2014
OpTm	ABBIED600_Rev3_INS_Unit_e	Estimated time to operate	E	ABBIED600:2014
BlkThmRsTm	ABBIED600_Rev3_INS_Unit_e	Estimated time to deactivate BLK_CLOSE	E	ABBIED600:2014
AMult	ABBIED600_Rev1_ING_SG_e	Current reference multiplier for thermal model	E	ABBIED600:2014
ARef	ABBIED600_Rev3_ASG_SG_i_e	Current reference for thermal model	E	ABBIED600:2014
EnvTmpSet	ABBIED600_Rev3_ASG_SG_i_e	Ambient temperature	E	ABBIED600:2014

IniTmp	ABBIED600_Rev3_ASG_SP_i_e	Temperature calculation initial value	E	ABBIED600:2014
RecTmpSet	ABBIED600_Rev3_ASG_SG_i_e	Temperature for reset of BLK_CLOSE after operate	E	ABBIED600:2014
TmpR	ABBIED600_Rev3_ASG_SG_i_e	Temperature rise	E	ABBIED600:2014
TstOutCmd	AB-BIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.15 LN: INRPHAR1 Name: PHAR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
PhStr	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.16 LN: CCBRBRF1 Name: RBRF (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Str	ABBIED600_Rev1_ACD_simple	Delayed CB failure alarm		
OpEx	ABBIED600_Rev1_ACT_simple	Breaker failure trip (external trip)		
OpIn	ABBIED600_Rev1_ACT_simple	Operate, retrip (internal trip)		
FailMod	ABBIED600_Rev2_ENG_SP_FailMod	Breaker Failure Detection Mode (current, breaker status, both, other)		
FailTmms	ABBIED600_Rev1_ING_SP	Breaker Failure Time Delay for bus bar trip		
TPTrTmms	ABBIED600_Rev1_ING_SP_e	Three Pole Retrip Time Delay	E	IEC 61850-7-4:2007

DetValA	ABBIED600_Rev3_ASG_SP_i	Current Detector Value		
ReTrMod	ABBIED600_Rev2_ENG_SP_ReTrMod	Retrip Mode		
TrPlsTmms	ABBIED600_Rev1_ING_SP_e	Trip pulse time	E	IEC 61850-7-4:2007
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Det-ValARes	ABBIED600_Rev3_ASG_SP_i_e	Current Detector Value for residual current	E	ABBIED600:2014
AMeasMod	ABBIED600_Rev3_ENG_SP_Meas-Mod_e	Measurement mode selection (current): 2= DFT; 3= Peak-to-Peak	E	ABBIED600:2014
CBAlm-Tmms	ABBIED600_Rev1_ING_SP_e	Circuit breaker faulty alarm delay	E	ABBIED600:2014
OpExMod	ABBIED600_Rev2_ENG_SP_buTrip-Mode_e	Select type of backup trip logic	E	ABBIED600:2014
InStr	ABBIED600_Rev1_SPS_e	CBFP start command	E	ABBIED600:2014
InPosClis	ABBIED600_Rev1_SPS_e	CB in closed position	E	ABBIED600:2014
InCBFlt	ABBIED600_Rev1_SPS_e	CB faulty and unable to trip	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
StrLtcMod	ABBIED600_Rev2_ENG_SP_StrLtcMod_e	Start reset delayed or immediately	E	ABBIED600:2014

6.2.17 LN: TRPPTRC1 Name: PTRC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	BLOCK		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Tr	ABBIED600_Rev1_ACT_simple_dU	General trip output signal		
Op	ABBIED600_Rev1_ACT_simple_dU	Operate input signal		
TrPlsTmms	ABBIED600_Rev1_ING_SP_1	Minimum duration of trip output signal		
TrOutMod	ABBIED600_Rev2_ENG_SP_TrOut-Mod_e	Trip output mode	E	ABBIED600:2014
LORs	ABBIED600_Rev2_SPC_indications_e	RST_LKOUT	E	ABBIED600:2014,status-only,direct-with-normal-security

TrRs	ABBIED600_Rev2_SPC_indications_e	Reset latched trip	E	ABBIED600:2014,status-only,direct-with-normal-security
ClsLO	ABBIED600_Rev1_SPS_e	Circuit breaker lock-out output (set until reset)	E	ABBIED600:2014

6.2.18 LN: TRPPTRC2 Name: PTRC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	BLOCK		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Tr	ABBIED600_Rev1_ACT_simple_dU	General trip output signal		
Op	ABBIED600_Rev1_ACT_simple_dU	Operate input signal		
TrPlsTmms	ABBIED600_Rev1_ING_SP_1	Minimum duration of trip output signal		
TrOutMod	ABBIED600_Rev2_ENG_SP_TrOut-Mod_e	Trip output mode	E	ABBIED600:2014
LORs	ABBIED600_Rev2_SPC_indications_e	RST_LKOUT	E	ABBIED600:2014,status-only,direct-with-normal-security
TrRs	ABBIED600_Rev2_SPC_indications_e	Reset latched trip	E	ABBIED600:2014,status-only,direct-with-normal-security
ClsLO	ABBIED600_Rev1_SPS_e	Circuit breaker lock-out output (set until reset)	E	ABBIED600:2014

6.2.19 LN: LEDPTRC1 Name: PTRC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Op	ABBIED600_Rev1_ACT_full	Operate		
Str	ABBIED600_Rev1_ACD_full	Start		
InRs	ABBIED600_Rev1_SPS_simple_e	Reset	E	ABBIED600:2014
InOp	ABBIED600_Rev1_SPS_dU_e	Input operate	E	ABBIED600:2014
InStr	ABBIED600_Rev1_SPS_dU_e	Input start	E	ABBIED600:2014

6.2.20 LN: TCSSCBR1 Name: SCBR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	ABBIED600_Rev2_ENC_Mod_Of-fOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
OpDITmms	ABBIED600_Rev1_ING_SP_1_e	Operate Delay Time	E	IEC 61850-7-4:2007
RsDITmms	ABBIED600_Rev1_ING_SP_1_e	Reset Delay Time	E	IEC 61850-7-4:2007
CircAlm	ABBIED600_Rev1_SPS_e	Alarm	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
ColOpn	ABBIED600_Rev1_SPS_simple	Open command of trip coil		

6.2.21 LN: TCSSCBR2 Name: SCBR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_Of-fOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
OpDITmms	ABBIED600_Rev1_ING_SP_1_e	Operate Delay Time	E	IEC 61850-7-4:2007
RsDITmms	ABBIED600_Rev1_ING_SP_1_e	Reset Delay Time	E	IEC 61850-7-4:2007
CircAlm	ABBIED600_Rev1_SPS_e	Alarm	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
ColOpn	ABBIED600_Rev1_SPS_simple	Open command of trip coil		

6.2.22 LN: TPGAPC1 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		status-only
PlsTmms	ABBIED600_Rev1_ING_SP_1_e	Minimum pulse time	E	ABBIED600:2014

6.2.23 LN: TPGAPC2 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		status-only
PlsTmms	ABBIED600_Rev1_ING_SP_1_e	Minimum pulse time	E	ABBIED600:2014

6.2.24 LN: TPGAPC3 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		status-only
PlsTmms	ABBIED600_Rev1_ING_SP_1_e	Minimum pulse time	E	ABBIED600:2014

6.2.25 LN: TPGAPC4 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		status-only
PlsTmms	ABBIED600_Rev1_ING_SP_1_e	Minimum pulse time	E	ABBIED600:2014

6.2.26 LN: TPGAPC5 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		status-only
PlsTmms	ABBIED600_Rev1_ING_SP_1_e	Minimum pulse time	E	ABBIED600:2014

6.2.27 LN: TPGAPC6 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS	IN1		

Ind2	ABBIED600_Rev1_SPS	IN2		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		status-only
PlsTmms	ABBIED600_Rev1_ING_SP_1_e	Minimum pulse time	E	ABBIED600:2014

6.2.28 LN: TPGAPC7 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		status-only
PlsTmms	ABBIED600_Rev1_ING_SP_1_e	Minimum pulse time	E	ABBIED600:2014

6.2.29 LN: TPGAPC8 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		status-only
PlsTmms	ABBIED600_Rev1_ING_SP_1_e	Minimum pulse time	E	ABBIED600:2014

6.2.30 LN: TPGAPC9 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		status-only
PlsTmms	ABBIED600_Rev1_ING_SP_1_e	Minimum pulse time	E	ABBIED600:2014

6.2.31 LN: TPGAPC10 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		status-only

PlsTmms	ABBIED600_Rev1_ING_SP_1_e	Minimum pulse time	E	ABBIED600:2014
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6.2.32 LN: ISWGAPC1 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Output2		status-only
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Output3		status-only
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Output4		status-only
SPCSO5	ABBIED600_Rev1_SPC_simple_dU	Output5		status-only
SPCSO6	ABBIED600_Rev1_SPC_simple_dU	Output6		status-only
SPCSO7	ABBIED600_Rev1_SPC_simple_dU	Output7		status-only
SPCSO8	ABBIED600_Rev1_SPC_simple_dU	Output8		status-only
SPCSO9	ABBIED600_Rev1_SPC_simple_dU	Output9		status-only
SPCSO10	ABBIED600_Rev1_SPC_simple_dU	Output10		status-only
SPCSO11	ABBIED600_Rev1_SPC_simple_dU	Output11		status-only
SPCSO12	ABBIED600_Rev1_SPC_simple_dU	Output12		status-only
SPCSO13	ABBIED600_Rev1_SPC_simple_dU	Output13		status-only
SPCSO14	ABBIED600_Rev1_SPC_simple_dU	Output14		status-only
SPCSO15	ABBIED600_Rev1_SPC_simple_dU	Output15		status-only
SPCSO16	ABBIED600_Rev1_SPC_simple_dU	Output16		status-only
SPCSO17	ABBIED600_Rev1_SPC_simple_dU	Output17		status-only
SPCSO18	ABBIED600_Rev1_SPC_simple_dU	Output18		status-only
SPCSO19	ABBIED600_Rev1_SPC_simple_dU	Output19		status-only
SPCSO20	ABBIED600_Rev1_SPC_simple_dU	Output20		status-only
Ind1	ABBIED600_Rev1_SPS_dU	Input		
Out1Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out1 signal	E	ABBIED600:2014
Out2Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out2 signal	E	ABBIED600:2014
Out3Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out3 signal	E	ABBIED600:2014
Out4Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out4 signal	E	ABBIED600:2014
Out5Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out5 signal	E	ABBIED600:2014
Out6Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out6 signal	E	ABBIED600:2014
Out7Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out7 signal	E	ABBIED600:2014
Out8Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out8 signal	E	ABBIED600:2014
Out9Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out9 signal	E	ABBIED600:2014
Out10Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out10 signal	E	ABBIED600:2014
Out11Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out11 signal	E	ABBIED600:2014
Out12Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out12 signal	E	ABBIED600:2014
Out13Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out13 signal	E	ABBIED600:2014
Out14Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out14 signal	E	ABBIED600:2014
Out15Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out15 signal	E	ABBIED600:2014
Out16Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out16 signal	E	ABBIED600:2014

Out17Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out17 signal	E	ABBIED600:2014
Out18Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out18 signal	E	ABBIED600:2014
Out19Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out19 signal	E	ABBIED600:2014
Out20Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out20 signal	E	ABBIED600:2014

6.2.33 LN: ISWGAPC2 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Output2		status-only
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Output3		status-only
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Output4		status-only
SPCSO5	ABBIED600_Rev1_SPC_simple_dU	Output5		status-only
SPCSO6	ABBIED600_Rev1_SPC_simple_dU	Output6		status-only
SPCSO7	ABBIED600_Rev1_SPC_simple_dU	Output7		status-only
SPCSO8	ABBIED600_Rev1_SPC_simple_dU	Output8		status-only
SPCSO9	ABBIED600_Rev1_SPC_simple_dU	Output9		status-only
SPCSO10	ABBIED600_Rev1_SPC_simple_dU	Output10		status-only
SPCSO11	ABBIED600_Rev1_SPC_simple_dU	Output11		status-only
SPCSO12	ABBIED600_Rev1_SPC_simple_dU	Output12		status-only
SPCSO13	ABBIED600_Rev1_SPC_simple_dU	Output13		status-only
SPCSO14	ABBIED600_Rev1_SPC_simple_dU	Output14		status-only
SPCSO15	ABBIED600_Rev1_SPC_simple_dU	Output15		status-only
SPCSO16	ABBIED600_Rev1_SPC_simple_dU	Output16		status-only
SPCSO17	ABBIED600_Rev1_SPC_simple_dU	Output17		status-only
SPCSO18	ABBIED600_Rev1_SPC_simple_dU	Output18		status-only
SPCSO19	ABBIED600_Rev1_SPC_simple_dU	Output19		status-only
SPCSO20	ABBIED600_Rev1_SPC_simple_dU	Output20		status-only
Ind1	ABBIED600_Rev1_SPS_dU	Input		
Out1Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out1 signal	E	ABBIED600:2014
Out2Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out2 signal	E	ABBIED600:2014
Out3Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out3 signal	E	ABBIED600:2014
Out4Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out4 signal	E	ABBIED600:2014
Out5Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out5 signal	E	ABBIED600:2014
Out6Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out6 signal	E	ABBIED600:2014
Out7Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out7 signal	E	ABBIED600:2014
Out8Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out8 signal	E	ABBIED600:2014
Out9Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out9 signal	E	ABBIED600:2014
Out10Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out10 signal	E	ABBIED600:2014
Out11Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out11 signal	E	ABBIED600:2014
Out12Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out12 signal	E	ABBIED600:2014
Out13Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out13 signal	E	ABBIED600:2014

Out14Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out14 signal	E	ABBIED600:2014
Out15Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out15 signal	E	ABBIED600:2014
Out16Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out16 signal	E	ABBIED600:2014
Out17Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out17 signal	E	ABBIED600:2014
Out18Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out18 signal	E	ABBIED600:2014
Out19Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out19 signal	E	ABBIED600:2014
Out20Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out20 signal	E	ABBIED600:2014

6.2.34 LN: ISWGAPC3 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Output2		status-only
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Output3		status-only
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Output4		status-only
SPCSO5	ABBIED600_Rev1_SPC_simple_dU	Output5		status-only
SPCSO6	ABBIED600_Rev1_SPC_simple_dU	Output6		status-only
SPCSO7	ABBIED600_Rev1_SPC_simple_dU	Output7		status-only
SPCSO8	ABBIED600_Rev1_SPC_simple_dU	Output8		status-only
SPCSO9	ABBIED600_Rev1_SPC_simple_dU	Output9		status-only
SPCSO10	ABBIED600_Rev1_SPC_simple_dU	Output10		status-only
SPCSO11	ABBIED600_Rev1_SPC_simple_dU	Output11		status-only
SPCSO12	ABBIED600_Rev1_SPC_simple_dU	Output12		status-only
SPCSO13	ABBIED600_Rev1_SPC_simple_dU	Output13		status-only
SPCSO14	ABBIED600_Rev1_SPC_simple_dU	Output14		status-only
SPCSO15	ABBIED600_Rev1_SPC_simple_dU	Output15		status-only
SPCSO16	ABBIED600_Rev1_SPC_simple_dU	Output16		status-only
SPCSO17	ABBIED600_Rev1_SPC_simple_dU	Output17		status-only
SPCSO18	ABBIED600_Rev1_SPC_simple_dU	Output18		status-only
SPCSO19	ABBIED600_Rev1_SPC_simple_dU	Output19		status-only
SPCSO20	ABBIED600_Rev1_SPC_simple_dU	Output20		status-only
Ind1	ABBIED600_Rev1_SPS_dU	Input		
Out1Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out1 signal	E	ABBIED600:2014
Out2Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out2 signal	E	ABBIED600:2014
Out3Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out3 signal	E	ABBIED600:2014
Out4Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out4 signal	E	ABBIED600:2014
Out5Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out5 signal	E	ABBIED600:2014
Out6Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out6 signal	E	ABBIED600:2014
Out7Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out7 signal	E	ABBIED600:2014
Out8Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out8 signal	E	ABBIED600:2014
Out9Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out9 signal	E	ABBIED600:2014
Out10Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out10 signal	E	ABBIED600:2014

Out11Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out11 signal	E	ABBIED600:2014
Out12Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out12 signal	E	ABBIED600:2014
Out13Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out13 signal	E	ABBIED600:2014
Out14Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out14 signal	E	ABBIED600:2014
Out15Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out15 signal	E	ABBIED600:2014
Out16Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out16 signal	E	ABBIED600:2014
Out17Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out17 signal	E	ABBIED600:2014
Out18Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out18 signal	E	ABBIED600:2014
Out19Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out19 signal	E	ABBIED600:2014
Out20Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out20 signal	E	ABBIED600:2014

6.2.35 LN: ISWGAPC4 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Output2		status-only
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Output3		status-only
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Output4		status-only
SPCSO5	ABBIED600_Rev1_SPC_simple_dU	Output5		status-only
SPCSO6	ABBIED600_Rev1_SPC_simple_dU	Output6		status-only
SPCSO7	ABBIED600_Rev1_SPC_simple_dU	Output7		status-only
SPCSO8	ABBIED600_Rev1_SPC_simple_dU	Output8		status-only
SPCSO9	ABBIED600_Rev1_SPC_simple_dU	Output9		status-only
SPCSO10	ABBIED600_Rev1_SPC_simple_dU	Output10		status-only
SPCSO11	ABBIED600_Rev1_SPC_simple_dU	Output11		status-only
SPCSO12	ABBIED600_Rev1_SPC_simple_dU	Output12		status-only
SPCSO13	ABBIED600_Rev1_SPC_simple_dU	Output13		status-only
SPCSO14	ABBIED600_Rev1_SPC_simple_dU	Output14		status-only
SPCSO15	ABBIED600_Rev1_SPC_simple_dU	Output15		status-only
SPCSO16	ABBIED600_Rev1_SPC_simple_dU	Output16		status-only
SPCSO17	ABBIED600_Rev1_SPC_simple_dU	Output17		status-only
SPCSO18	ABBIED600_Rev1_SPC_simple_dU	Output18		status-only
SPCSO19	ABBIED600_Rev1_SPC_simple_dU	Output19		status-only
SPCSO20	ABBIED600_Rev1_SPC_simple_dU	Output20		status-only
Ind1	ABBIED600_Rev1_SPS_dU	Input		
Out1Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out1 signal	E	ABBIED600:2014
Out2Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out2 signal	E	ABBIED600:2014
Out3Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out3 signal	E	ABBIED600:2014
Out4Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out4 signal	E	ABBIED600:2014
Out5Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out5 signal	E	ABBIED600:2014
Out6Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out6 signal	E	ABBIED600:2014
Out7Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out7 signal	E	ABBIED600:2014

Out8Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out8 signal	E	ABBIED600:2014
Out9Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out9 signal	E	ABBIED600:2014
Out10Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out10 signal	E	ABBIED600:2014
Out11Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out11 signal	E	ABBIED600:2014
Out12Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out12 signal	E	ABBIED600:2014
Out13Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out13 signal	E	ABBIED600:2014
Out14Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out14 signal	E	ABBIED600:2014
Out15Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out15 signal	E	ABBIED600:2014
Out16Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out16 signal	E	ABBIED600:2014
Out17Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out17 signal	E	ABBIED600:2014
Out18Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out18 signal	E	ABBIED600:2014
Out19Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out19 signal	E	ABBIED600:2014
Out20Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out20 signal	E	ABBIED600:2014

6.2.36 LN: ISWGAPC5 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Output2		status-only
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Output3		status-only
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Output4		status-only
SPCSO5	ABBIED600_Rev1_SPC_simple_dU	Output5		status-only
SPCSO6	ABBIED600_Rev1_SPC_simple_dU	Output6		status-only
SPCSO7	ABBIED600_Rev1_SPC_simple_dU	Output7		status-only
SPCSO8	ABBIED600_Rev1_SPC_simple_dU	Output8		status-only
SPCSO9	ABBIED600_Rev1_SPC_simple_dU	Output9		status-only
SPCSO10	ABBIED600_Rev1_SPC_simple_dU	Output10		status-only
SPCSO11	ABBIED600_Rev1_SPC_simple_dU	Output11		status-only
SPCSO12	ABBIED600_Rev1_SPC_simple_dU	Output12		status-only
SPCSO13	ABBIED600_Rev1_SPC_simple_dU	Output13		status-only
SPCSO14	ABBIED600_Rev1_SPC_simple_dU	Output14		status-only
SPCSO15	ABBIED600_Rev1_SPC_simple_dU	Output15		status-only
SPCSO16	ABBIED600_Rev1_SPC_simple_dU	Output16		status-only
SPCSO17	ABBIED600_Rev1_SPC_simple_dU	Output17		status-only
SPCSO18	ABBIED600_Rev1_SPC_simple_dU	Output18		status-only
SPCSO19	ABBIED600_Rev1_SPC_simple_dU	Output19		status-only
SPCSO20	ABBIED600_Rev1_SPC_simple_dU	Output20		status-only
Ind1	ABBIED600_Rev1_SPS_dU	Input		
Out1Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out1 signal	E	ABBIED600:2014
Out2Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out2 signal	E	ABBIED600:2014
Out3Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out3 signal	E	ABBIED600:2014
Out4Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out4 signal	E	ABBIED600:2014

Out5Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out5 signal	E	ABBIED600:2014
Out6Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out6 signal	E	ABBIED600:2014
Out7Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out7 signal	E	ABBIED600:2014
Out8Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out8 signal	E	ABBIED600:2014
Out9Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out9 signal	E	ABBIED600:2014
Out10Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out10 signal	E	ABBIED600:2014
Out11Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out11 signal	E	ABBIED600:2014
Out12Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out12 signal	E	ABBIED600:2014
Out13Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out13 signal	E	ABBIED600:2014
Out14Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out14 signal	E	ABBIED600:2014
Out15Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out15 signal	E	ABBIED600:2014
Out16Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out16 signal	E	ABBIED600:2014
Out17Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out17 signal	E	ABBIED600:2014
Out18Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out18 signal	E	ABBIED600:2014
Out19Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out19 signal	E	ABBIED600:2014
Out20Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out20 signal	E	ABBIED600:2014

6.2.37 LN: ISWGAPC6 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Output2		status-only
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Output3		status-only
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Output4		status-only
SPCSO5	ABBIED600_Rev1_SPC_simple_dU	Output5		status-only
SPCSO6	ABBIED600_Rev1_SPC_simple_dU	Output6		status-only
SPCSO7	ABBIED600_Rev1_SPC_simple_dU	Output7		status-only
SPCSO8	ABBIED600_Rev1_SPC_simple_dU	Output8		status-only
SPCSO9	ABBIED600_Rev1_SPC_simple_dU	Output9		status-only
SPCSO10	ABBIED600_Rev1_SPC_simple_dU	Output10		status-only
SPCSO11	ABBIED600_Rev1_SPC_simple_dU	Output11		status-only
SPCSO12	ABBIED600_Rev1_SPC_simple_dU	Output12		status-only
SPCSO13	ABBIED600_Rev1_SPC_simple_dU	Output13		status-only
SPCSO14	ABBIED600_Rev1_SPC_simple_dU	Output14		status-only
SPCSO15	ABBIED600_Rev1_SPC_simple_dU	Output15		status-only
SPCSO16	ABBIED600_Rev1_SPC_simple_dU	Output16		status-only
SPCSO17	ABBIED600_Rev1_SPC_simple_dU	Output17		status-only
SPCSO18	ABBIED600_Rev1_SPC_simple_dU	Output18		status-only
SPCSO19	ABBIED600_Rev1_SPC_simple_dU	Output19		status-only
SPCSO20	ABBIED600_Rev1_SPC_simple_dU	Output20		status-only
Ind1	ABBIED600_Rev1_SPS_dU	Input		
Out1Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out1 signal	E	ABBIED600:2014

Out2Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out2 signal	E	ABBIED600:2014
Out3Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out3 signal	E	ABBIED600:2014
Out4Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out4 signal	E	ABBIED600:2014
Out5Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out5 signal	E	ABBIED600:2014
Out6Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out6 signal	E	ABBIED600:2014
Out7Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out7 signal	E	ABBIED600:2014
Out8Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out8 signal	E	ABBIED600:2014
Out9Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out9 signal	E	ABBIED600:2014
Out10Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out10 signal	E	ABBIED600:2014
Out11Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out11 signal	E	ABBIED600:2014
Out12Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out12 signal	E	ABBIED600:2014
Out13Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out13 signal	E	ABBIED600:2014
Out14Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out14 signal	E	ABBIED600:2014
Out15Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out15 signal	E	ABBIED600:2014
Out16Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out16 signal	E	ABBIED600:2014
Out17Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out17 signal	E	ABBIED600:2014
Out18Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out18 signal	E	ABBIED600:2014
Out19Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out19 signal	E	ABBIED600:2014
Out20Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out20 signal	E	ABBIED600:2014

6.2.38 LN: ISWGAPC7 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Output2		status-only
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Output3		status-only
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Output4		status-only
SPCSO5	ABBIED600_Rev1_SPC_simple_dU	Output5		status-only
SPCSO6	ABBIED600_Rev1_SPC_simple_dU	Output6		status-only
SPCSO7	ABBIED600_Rev1_SPC_simple_dU	Output7		status-only
SPCSO8	ABBIED600_Rev1_SPC_simple_dU	Output8		status-only
SPCSO9	ABBIED600_Rev1_SPC_simple_dU	Output9		status-only
SPCSO10	ABBIED600_Rev1_SPC_simple_dU	Output10		status-only
SPCSO11	ABBIED600_Rev1_SPC_simple_dU	Output11		status-only
SPCSO12	ABBIED600_Rev1_SPC_simple_dU	Output12		status-only
SPCSO13	ABBIED600_Rev1_SPC_simple_dU	Output13		status-only
SPCSO14	ABBIED600_Rev1_SPC_simple_dU	Output14		status-only
SPCSO15	ABBIED600_Rev1_SPC_simple_dU	Output15		status-only
SPCSO16	ABBIED600_Rev1_SPC_simple_dU	Output16		status-only
SPCSO17	ABBIED600_Rev1_SPC_simple_dU	Output17		status-only
SPCSO18	ABBIED600_Rev1_SPC_simple_dU	Output18		status-only
SPCSO19	ABBIED600_Rev1_SPC_simple_dU	Output19		status-only

SPCSO20	ABBIED600_Rev1_SPC_simple_dU	Output20		status-only
Ind1	ABBIED600_Rev1_SPS_dU	Input		
Out1Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out1 signal	E	ABBIED600:2014
Out2Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out2 signal	E	ABBIED600:2014
Out3Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out3 signal	E	ABBIED600:2014
Out4Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out4 signal	E	ABBIED600:2014
Out5Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out5 signal	E	ABBIED600:2014
Out6Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out6 signal	E	ABBIED600:2014
Out7Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out7 signal	E	ABBIED600:2014
Out8Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out8 signal	E	ABBIED600:2014
Out9Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out9 signal	E	ABBIED600:2014
Out10Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out10 signal	E	ABBIED600:2014
Out11Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out11 signal	E	ABBIED600:2014
Out12Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out12 signal	E	ABBIED600:2014
Out13Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out13 signal	E	ABBIED600:2014
Out14Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out14 signal	E	ABBIED600:2014
Out15Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out15 signal	E	ABBIED600:2014
Out16Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out16 signal	E	ABBIED600:2014
Out17Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out17 signal	E	ABBIED600:2014
Out18Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out18 signal	E	ABBIED600:2014
Out19Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out19 signal	E	ABBIED600:2014
Out20Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out20 signal	E	ABBIED600:2014

6.2.39 LN: ISWGAPC8 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Output2		status-only
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Output3		status-only
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Output4		status-only
SPCSO5	ABBIED600_Rev1_SPC_simple_dU	Output5		status-only
SPCSO6	ABBIED600_Rev1_SPC_simple_dU	Output6		status-only
SPCSO7	ABBIED600_Rev1_SPC_simple_dU	Output7		status-only
SPCSO8	ABBIED600_Rev1_SPC_simple_dU	Output8		status-only
SPCSO9	ABBIED600_Rev1_SPC_simple_dU	Output9		status-only
SPCSO10	ABBIED600_Rev1_SPC_simple_dU	Output10		status-only
SPCSO11	ABBIED600_Rev1_SPC_simple_dU	Output11		status-only
SPCSO12	ABBIED600_Rev1_SPC_simple_dU	Output12		status-only
SPCSO13	ABBIED600_Rev1_SPC_simple_dU	Output13		status-only
SPCSO14	ABBIED600_Rev1_SPC_simple_dU	Output14		status-only
SPCSO15	ABBIED600_Rev1_SPC_simple_dU	Output15		status-only
SPCSO16	ABBIED600_Rev1_SPC_simple_dU	Output16		status-only

SPCSO17	ABBIED600_Rev1_SPC_simple_dU	Output17		status-only
SPCSO18	ABBIED600_Rev1_SPC_simple_dU	Output18		status-only
SPCSO19	ABBIED600_Rev1_SPC_simple_dU	Output19		status-only
SPCSO20	ABBIED600_Rev1_SPC_simple_dU	Output20		status-only
Ind1	ABBIED600_Rev1_SPS_dU	Input		
Out1Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out1 signal	E	ABBIED600:2014
Out2Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out2 signal	E	ABBIED600:2014
Out3Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out3 signal	E	ABBIED600:2014
Out4Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out4 signal	E	ABBIED600:2014
Out5Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out5 signal	E	ABBIED600:2014
Out6Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out6 signal	E	ABBIED600:2014
Out7Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out7 signal	E	ABBIED600:2014
Out8Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out8 signal	E	ABBIED600:2014
Out9Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out9 signal	E	ABBIED600:2014
Out10Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out10 signal	E	ABBIED600:2014
Out11Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out11 signal	E	ABBIED600:2014
Out12Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out12 signal	E	ABBIED600:2014
Out13Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out13 signal	E	ABBIED600:2014
Out14Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out14 signal	E	ABBIED600:2014
Out15Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out15 signal	E	ABBIED600:2014
Out16Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out16 signal	E	ABBIED600:2014
Out17Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out17 signal	E	ABBIED600:2014
Out18Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out18 signal	E	ABBIED600:2014
Out19Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out19 signal	E	ABBIED600:2014
Out20Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out20 signal	E	ABBIED600:2014

6.2.40 LN: ISWGAPC9 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Output2		status-only
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Output3		status-only
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Output4		status-only
SPCSO5	ABBIED600_Rev1_SPC_simple_dU	Output5		status-only
SPCSO6	ABBIED600_Rev1_SPC_simple_dU	Output6		status-only
SPCSO7	ABBIED600_Rev1_SPC_simple_dU	Output7		status-only
SPCSO8	ABBIED600_Rev1_SPC_simple_dU	Output8		status-only
SPCSO9	ABBIED600_Rev1_SPC_simple_dU	Output9		status-only
SPCSO10	ABBIED600_Rev1_SPC_simple_dU	Output10		status-only
SPCSO11	ABBIED600_Rev1_SPC_simple_dU	Output11		status-only
SPCSO12	ABBIED600_Rev1_SPC_simple_dU	Output12		status-only
SPCSO13	ABBIED600_Rev1_SPC_simple_dU	Output13		status-only

SPCSO14	ABBIED600_Rev1_SPC_simple_dU	Output14		status-only
SPCSO15	ABBIED600_Rev1_SPC_simple_dU	Output15		status-only
SPCSO16	ABBIED600_Rev1_SPC_simple_dU	Output16		status-only
SPCSO17	ABBIED600_Rev1_SPC_simple_dU	Output17		status-only
SPCSO18	ABBIED600_Rev1_SPC_simple_dU	Output18		status-only
SPCSO19	ABBIED600_Rev1_SPC_simple_dU	Output19		status-only
SPCSO20	ABBIED600_Rev1_SPC_simple_dU	Output20		status-only
Ind1	ABBIED600_Rev1_SPS_dU	Input		
Out1Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out1 signal	E	ABBIED600:2014
Out2Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out2 signal	E	ABBIED600:2014
Out3Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out3 signal	E	ABBIED600:2014
Out4Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out4 signal	E	ABBIED600:2014
Out5Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out5 signal	E	ABBIED600:2014
Out6Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out6 signal	E	ABBIED600:2014
Out7Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out7 signal	E	ABBIED600:2014
Out8Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out8 signal	E	ABBIED600:2014
Out9Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out9 signal	E	ABBIED600:2014
Out10Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out10 signal	E	ABBIED600:2014
Out11Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out11 signal	E	ABBIED600:2014
Out12Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out12 signal	E	ABBIED600:2014
Out13Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out13 signal	E	ABBIED600:2014
Out14Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out14 signal	E	ABBIED600:2014
Out15Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out15 signal	E	ABBIED600:2014
Out16Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out16 signal	E	ABBIED600:2014
Out17Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out17 signal	E	ABBIED600:2014
Out18Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out18 signal	E	ABBIED600:2014
Out19Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out19 signal	E	ABBIED600:2014
Out20Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out20 signal	E	ABBIED600:2014

6.2.41 LN: ISWGAPC10 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Output2		status-only
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Output3		status-only
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Output4		status-only
SPCSO5	ABBIED600_Rev1_SPC_simple_dU	Output5		status-only
SPCSO6	ABBIED600_Rev1_SPC_simple_dU	Output6		status-only
SPCSO7	ABBIED600_Rev1_SPC_simple_dU	Output7		status-only
SPCSO8	ABBIED600_Rev1_SPC_simple_dU	Output8		status-only
SPCSO9	ABBIED600_Rev1_SPC_simple_dU	Output9		status-only
SPCSO10	ABBIED600_Rev1_SPC_simple_dU	Output10		status-only

SPCSO11	ABBIED600_Rev1_SPC_simple_dU	Output11		status-only
SPCSO12	ABBIED600_Rev1_SPC_simple_dU	Output12		status-only
SPCSO13	ABBIED600_Rev1_SPC_simple_dU	Output13		status-only
SPCSO14	ABBIED600_Rev1_SPC_simple_dU	Output14		status-only
SPCSO15	ABBIED600_Rev1_SPC_simple_dU	Output15		status-only
SPCSO16	ABBIED600_Rev1_SPC_simple_dU	Output16		status-only
SPCSO17	ABBIED600_Rev1_SPC_simple_dU	Output17		status-only
SPCSO18	ABBIED600_Rev1_SPC_simple_dU	Output18		status-only
SPCSO19	ABBIED600_Rev1_SPC_simple_dU	Output19		status-only
SPCSO20	ABBIED600_Rev1_SPC_simple_dU	Output20		status-only
Ind1	ABBIED600_Rev1_SPS_dU	Input		
Out1Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out1 signal	E	ABBIED600:2014
Out2Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out2 signal	E	ABBIED600:2014
Out3Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out3 signal	E	ABBIED600:2014
Out4Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out4 signal	E	ABBIED600:2014
Out5Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out5 signal	E	ABBIED600:2014
Out6Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out6 signal	E	ABBIED600:2014
Out7Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out7 signal	E	ABBIED600:2014
Out8Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out8 signal	E	ABBIED600:2014
Out9Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out9 signal	E	ABBIED600:2014
Out10Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out10 signal	E	ABBIED600:2014
Out11Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out11 signal	E	ABBIED600:2014
Out12Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out12 signal	E	ABBIED600:2014
Out13Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out13 signal	E	ABBIED600:2014
Out14Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out14 signal	E	ABBIED600:2014
Out15Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out15 signal	E	ABBIED600:2014
Out16Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out16 signal	E	ABBIED600:2014
Out17Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out17 signal	E	ABBIED600:2014
Out18Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out18 signal	E	ABBIED600:2014
Out19Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out19 signal	E	ABBIED600:2014
Out20Conn	ABBIED600_Rev1_SPG_SP_e	Connect In with Out20 signal	E	ABBIED600:2014

6.2.42 LN: OSWGAPC1 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		

Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.43 LN: OSWGAPC2 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		

Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.44 LN: OSWGAPC3 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		

Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.45 LN: OSWGAPC4 Name: GAPC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
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Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014

Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014
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6.2.46 LN: OSWGAPC5 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014

Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.47 LN: OSWGAPC6 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014

Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.48 LN: OSWGAPC7 Name: GPC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014

Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.49 LN: OSWGAPC8 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014

Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.50 LN: OSWGAPC9 Name: GPC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014

Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.51 LN: OSWGAPC10 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014

Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.52 LN: OSWGAPC11 Name: GAPC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		

Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.53 LN: OSWGAPC12 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		

Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.54 LN: OSWGAPC13 Name: GAPC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		

Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.55 LN: OSWGAPC14 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		

Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.56 LN: OSWGAPC15 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		

Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.57 LN: OSWGAPC16 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		

Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.58 LN: OSWGAPC17 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		

Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.59 LN: OSWGAPC18 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
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Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014

Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014
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6.2.60 LN: OSWGAPC19 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014
Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014

Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.61 LN: OSWGAPC20 Name: GAPC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output		status-only
Ind1Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In1	E	ABBIED600:2014
Ind2Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In2	E	ABBIED600:2014
Ind3Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In3	E	ABBIED600:2014
Ind4Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In4	E	ABBIED600:2014
Ind5Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In5	E	ABBIED600:2014
Ind6Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In6	E	ABBIED600:2014
Ind7Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In7	E	ABBIED600:2014
Ind8Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In8	E	ABBIED600:2014
Ind9Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In9	E	ABBIED600:2014
Ind10Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In10	E	ABBIED600:2014
Ind11Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In11	E	ABBIED600:2014
Ind12Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In12	E	ABBIED600:2014
Ind13Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In13	E	ABBIED600:2014

Ind14Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In14	E	ABBIED600:2014
Ind15Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In15	E	ABBIED600:2014
Ind16Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In16	E	ABBIED600:2014
Ind17Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In17	E	ABBIED600:2014
Ind18Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In18	E	ABBIED600:2014
Ind19Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In19	E	ABBIED600:2014
Ind20Conn	ABBIED600_Rev1_SPG_SP_e	Connect input In20	E	ABBIED600:2014

6.2.62 LN: SELGAPC1 Name: GAPC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Output2		status-only
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Output3		status-only
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Output4		status-only
SPCSO5	ABBIED600_Rev1_SPC_simple_dU	Output5		status-only
SPCSO6	ABBIED600_Rev1_SPC_simple_dU	Output6		status-only
SPCSO7	ABBIED600_Rev1_SPC_simple_dU	Output7		status-only
SPCSO8	ABBIED600_Rev1_SPC_simple_dU	Output8		status-only
SPCSO9	ABBIED600_Rev1_SPC_simple_dU	Output9		status-only
SPCSO10	ABBIED600_Rev1_SPC_simple_dU	Output10		status-only
SPCSO11	ABBIED600_Rev1_SPC_simple_dU	Output11		status-only

SPCSO12	ABBIED600_Rev1_SPC_simple_dU	Output12		status-only
SPCSO13	ABBIED600_Rev1_SPC_simple_dU	Output13		status-only
SPCSO14	ABBIED600_Rev1_SPC_simple_dU	Output14		status-only
SPCSO15	ABBIED600_Rev1_SPC_simple_dU	Output15		status-only
SPCSO16	ABBIED600_Rev1_SPC_simple_dU	Output16		status-only
SPCSO17	ABBIED600_Rev1_SPC_simple_dU	Output17		status-only
SPCSO18	ABBIED600_Rev1_SPC_simple_dU	Output18		status-only
SPCSO19	ABBIED600_Rev1_SPC_simple_dU	Output19		status-only
SPCSO20	ABBIED600_Rev1_SPC_simple_dU	Output20		status-only
Out1Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_1 signal	E	ABBIED600:2014
Out2Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_2 signal	E	ABBIED600:2014
Out3Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_3 signal	E	ABBIED600:2014
Out4Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_4 signal	E	ABBIED600:2014
Out5Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_5 signal	E	ABBIED600:2014
Out6Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_6 signal	E	ABBIED600:2014
Out7Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_7 signal	E	ABBIED600:2014
Out8Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_8 signal	E	ABBIED600:2014
Out9Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_9 signal	E	ABBIED600:2014
Out10Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_10 signal	E	ABBIED600:2014
Out11Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_11 signal	E	ABBIED600:2014
Out12Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_12 signal	E	ABBIED600:2014
Out13Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_13 signal	E	ABBIED600:2014
Out14Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_14 signal	E	ABBIED600:2014
Out15Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_15 signal	E	ABBIED600:2014
Out16Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_16 signal	E	ABBIED600:2014
Out17Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_17 signal	E	ABBIED600:2014
Out18Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_18 signal	E	ABBIED600:2014
Out19Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_19 signal	E	ABBIED600:2014
Out20Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_20 signal	E	ABBIED600:2014

6.2.63 LN: SELGAPC2 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		

Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Output2		status-only
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Output3		status-only
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Output4		status-only
SPCSO5	ABBIED600_Rev1_SPC_simple_dU	Output5		status-only
SPCSO6	ABBIED600_Rev1_SPC_simple_dU	Output6		status-only
SPCSO7	ABBIED600_Rev1_SPC_simple_dU	Output7		status-only
SPCSO8	ABBIED600_Rev1_SPC_simple_dU	Output8		status-only
SPCSO9	ABBIED600_Rev1_SPC_simple_dU	Output9		status-only
SPCSO10	ABBIED600_Rev1_SPC_simple_dU	Output10		status-only
SPCSO11	ABBIED600_Rev1_SPC_simple_dU	Output11		status-only
SPCSO12	ABBIED600_Rev1_SPC_simple_dU	Output12		status-only
SPCSO13	ABBIED600_Rev1_SPC_simple_dU	Output13		status-only
SPCSO14	ABBIED600_Rev1_SPC_simple_dU	Output14		status-only
SPCSO15	ABBIED600_Rev1_SPC_simple_dU	Output15		status-only
SPCSO16	ABBIED600_Rev1_SPC_simple_dU	Output16		status-only
SPCSO17	ABBIED600_Rev1_SPC_simple_dU	Output17		status-only
SPCSO18	ABBIED600_Rev1_SPC_simple_dU	Output18		status-only
SPCSO19	ABBIED600_Rev1_SPC_simple_dU	Output19		status-only
SPCSO20	ABBIED600_Rev1_SPC_simple_dU	Output20		status-only
Out1Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_1 signal	E	ABBIED600:2014
Out2Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_2 signal	E	ABBIED600:2014
Out3Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_3 signal	E	ABBIED600:2014
Out4Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_4 signal	E	ABBIED600:2014
Out5Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_5 signal	E	ABBIED600:2014
Out6Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_6 signal	E	ABBIED600:2014
Out7Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_7 signal	E	ABBIED600:2014
Out8Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_8 signal	E	ABBIED600:2014
Out9Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_9 signal	E	ABBIED600:2014
Out10Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_10 signal	E	ABBIED600:2014
Out11Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_11 signal	E	ABBIED600:2014

Out12Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_12 signal	E	ABBIED600:2014
Out13Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_13 signal	E	ABBIED600:2014
Out14Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_14 signal	E	ABBIED600:2014
Out15Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_15 signal	E	ABBIED600:2014
Out16Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_16 signal	E	ABBIED600:2014
Out17Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_17 signal	E	ABBIED600:2014
Out18Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_18 signal	E	ABBIED600:2014
Out19Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_19 signal	E	ABBIED600:2014
Out20Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_20 signal	E	ABBIED600:2014

6.2.64 LN: SELGAPC3 Name: GPC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Output2		status-only
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Output3		status-only
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Output4		status-only
SPCSO5	ABBIED600_Rev1_SPC_simple_dU	Output5		status-only
SPCSO6	ABBIED600_Rev1_SPC_simple_dU	Output6		status-only
SPCSO7	ABBIED600_Rev1_SPC_simple_dU	Output7		status-only
SPCSO8	ABBIED600_Rev1_SPC_simple_dU	Output8		status-only
SPCSO9	ABBIED600_Rev1_SPC_simple_dU	Output9		status-only

SPCSO10	ABBIED600_Rev1_SPC_simple_dU	Output10		status-only
SPCSO11	ABBIED600_Rev1_SPC_simple_dU	Output11		status-only
SPCSO12	ABBIED600_Rev1_SPC_simple_dU	Output12		status-only
SPCSO13	ABBIED600_Rev1_SPC_simple_dU	Output13		status-only
SPCSO14	ABBIED600_Rev1_SPC_simple_dU	Output14		status-only
SPCSO15	ABBIED600_Rev1_SPC_simple_dU	Output15		status-only
SPCSO16	ABBIED600_Rev1_SPC_simple_dU	Output16		status-only
SPCSO17	ABBIED600_Rev1_SPC_simple_dU	Output17		status-only
SPCSO18	ABBIED600_Rev1_SPC_simple_dU	Output18		status-only
SPCSO19	ABBIED600_Rev1_SPC_simple_dU	Output19		status-only
SPCSO20	ABBIED600_Rev1_SPC_simple_dU	Output20		status-only
Out1Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_1 signal	E	ABBIED600:2014
Out2Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_2 signal	E	ABBIED600:2014
Out3Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_3 signal	E	ABBIED600:2014
Out4Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_4 signal	E	ABBIED600:2014
Out5Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_5 signal	E	ABBIED600:2014
Out6Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_6 signal	E	ABBIED600:2014
Out7Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_7 signal	E	ABBIED600:2014
Out8Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_8 signal	E	ABBIED600:2014
Out9Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_9 signal	E	ABBIED600:2014
Out10Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_10 signal	E	ABBIED600:2014
Out11Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_11 signal	E	ABBIED600:2014
Out12Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_12 signal	E	ABBIED600:2014
Out13Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_13 signal	E	ABBIED600:2014
Out14Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_14 signal	E	ABBIED600:2014
Out15Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_15 signal	E	ABBIED600:2014
Out16Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_16 signal	E	ABBIED600:2014
Out17Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_17 signal	E	ABBIED600:2014
Out18Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_18 signal	E	ABBIED600:2014
Out19Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_19 signal	E	ABBIED600:2014
Out20Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_20 signal	E	ABBIED600:2014

6.2.65 LN: SELGAPC4 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		

Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Output2		status-only
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Output3		status-only
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Output4		status-only
SPCSO5	ABBIED600_Rev1_SPC_simple_dU	Output5		status-only
SPCSO6	ABBIED600_Rev1_SPC_simple_dU	Output6		status-only
SPCSO7	ABBIED600_Rev1_SPC_simple_dU	Output7		status-only
SPCSO8	ABBIED600_Rev1_SPC_simple_dU	Output8		status-only
SPCSO9	ABBIED600_Rev1_SPC_simple_dU	Output9		status-only
SPCSO10	ABBIED600_Rev1_SPC_simple_dU	Output10		status-only
SPCSO11	ABBIED600_Rev1_SPC_simple_dU	Output11		status-only
SPCSO12	ABBIED600_Rev1_SPC_simple_dU	Output12		status-only
SPCSO13	ABBIED600_Rev1_SPC_simple_dU	Output13		status-only
SPCSO14	ABBIED600_Rev1_SPC_simple_dU	Output14		status-only
SPCSO15	ABBIED600_Rev1_SPC_simple_dU	Output15		status-only
SPCSO16	ABBIED600_Rev1_SPC_simple_dU	Output16		status-only
SPCSO17	ABBIED600_Rev1_SPC_simple_dU	Output17		status-only
SPCSO18	ABBIED600_Rev1_SPC_simple_dU	Output18		status-only
SPCSO19	ABBIED600_Rev1_SPC_simple_dU	Output19		status-only
SPCSO20	ABBIED600_Rev1_SPC_simple_dU	Output20		status-only
Out1Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_1 signal	E	ABBIED600:2014
Out2Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_2 signal	E	ABBIED600:2014
Out3Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_3 signal	E	ABBIED600:2014
Out4Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_4 signal	E	ABBIED600:2014
Out5Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_5 signal	E	ABBIED600:2014
Out6Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_6 signal	E	ABBIED600:2014
Out7Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_7 signal	E	ABBIED600:2014
Out8Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_8 signal	E	ABBIED600:2014
Out9Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_9 signal	E	ABBIED600:2014

Out10Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_10 signal	E	ABBIED600:2014
Out11Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_11 signal	E	ABBIED600:2014
Out12Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_12 signal	E	ABBIED600:2014
Out13Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_13 signal	E	ABBIED600:2014
Out14Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_14 signal	E	ABBIED600:2014
Out15Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_15 signal	E	ABBIED600:2014
Out16Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_16 signal	E	ABBIED600:2014
Out17Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_17 signal	E	ABBIED600:2014
Out18Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_18 signal	E	ABBIED600:2014
Out19Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_19 signal	E	ABBIED600:2014
Out20Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_20 signal	E	ABBIED600:2014

6.2.66 LN: SELGAPC5 Name: GPC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		
Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Output2		status-only
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Output3		status-only
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Output4		status-only
SPCSO5	ABBIED600_Rev1_SPC_simple_dU	Output5		status-only
SPCSO6	ABBIED600_Rev1_SPC_simple_dU	Output6		status-only
SPCSO7	ABBIED600_Rev1_SPC_simple_dU	Output7		status-only

SPCSO8	ABBIED600_Rev1_SPC_simple_dU	Output8		status-only
SPCSO9	ABBIED600_Rev1_SPC_simple_dU	Output9		status-only
SPCSO10	ABBIED600_Rev1_SPC_simple_dU	Output10		status-only
SPCSO11	ABBIED600_Rev1_SPC_simple_dU	Output11		status-only
SPCSO12	ABBIED600_Rev1_SPC_simple_dU	Output12		status-only
SPCSO13	ABBIED600_Rev1_SPC_simple_dU	Output13		status-only
SPCSO14	ABBIED600_Rev1_SPC_simple_dU	Output14		status-only
SPCSO15	ABBIED600_Rev1_SPC_simple_dU	Output15		status-only
SPCSO16	ABBIED600_Rev1_SPC_simple_dU	Output16		status-only
SPCSO17	ABBIED600_Rev1_SPC_simple_dU	Output17		status-only
SPCSO18	ABBIED600_Rev1_SPC_simple_dU	Output18		status-only
SPCSO19	ABBIED600_Rev1_SPC_simple_dU	Output19		status-only
SPCSO20	ABBIED600_Rev1_SPC_simple_dU	Output20		status-only
Out1Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_1 signal	E	ABBIED600:2014
Out2Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_2 signal	E	ABBIED600:2014
Out3Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_3 signal	E	ABBIED600:2014
Out4Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_4 signal	E	ABBIED600:2014
Out5Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_5 signal	E	ABBIED600:2014
Out6Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_6 signal	E	ABBIED600:2014
Out7Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_7 signal	E	ABBIED600:2014
Out8Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_8 signal	E	ABBIED600:2014
Out9Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_9 signal	E	ABBIED600:2014
Out10Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_10 signal	E	ABBIED600:2014
Out11Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_11 signal	E	ABBIED600:2014
Out12Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_12 signal	E	ABBIED600:2014
Out13Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_13 signal	E	ABBIED600:2014
Out14Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_14 signal	E	ABBIED600:2014
Out15Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_15 signal	E	ABBIED600:2014
Out16Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_16 signal	E	ABBIED600:2014
Out17Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_17 signal	E	ABBIED600:2014
Out18Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_18 signal	E	ABBIED600:2014
Out19Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_19 signal	E	ABBIED600:2014
Out20Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_20 signal	E	ABBIED600:2014

6.2.67 LN: SELGAPC6 Name: GAPC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS_dU	Input1		
Ind2	ABBIED600_Rev1_SPS_dU	Input2		
Ind3	ABBIED600_Rev1_SPS_dU	Input3		
Ind4	ABBIED600_Rev1_SPS_dU	Input4		
Ind5	ABBIED600_Rev1_SPS_dU	Input5		

Ind6	ABBIED600_Rev1_SPS_dU	Input6		
Ind7	ABBIED600_Rev1_SPS_dU	Input7		
Ind8	ABBIED600_Rev1_SPS_dU	Input8		
Ind9	ABBIED600_Rev1_SPS_dU	Input9		
Ind10	ABBIED600_Rev1_SPS_dU	Input10		
Ind11	ABBIED600_Rev1_SPS_dU	Input11		
Ind12	ABBIED600_Rev1_SPS_dU	Input12		
Ind13	ABBIED600_Rev1_SPS_dU	Input13		
Ind14	ABBIED600_Rev1_SPS_dU	Input14		
Ind15	ABBIED600_Rev1_SPS_dU	Input15		
Ind16	ABBIED600_Rev1_SPS_dU	Input16		
Ind17	ABBIED600_Rev1_SPS_dU	Input17		
Ind18	ABBIED600_Rev1_SPS_dU	Input18		
Ind19	ABBIED600_Rev1_SPS_dU	Input19		
Ind20	ABBIED600_Rev1_SPS_dU	Input20		
SPCSO1	ABBIED600_Rev1_SPC_simple_dU	Output1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple_dU	Output2		status-only
SPCSO3	ABBIED600_Rev1_SPC_simple_dU	Output3		status-only
SPCSO4	ABBIED600_Rev1_SPC_simple_dU	Output4		status-only
SPCSO5	ABBIED600_Rev1_SPC_simple_dU	Output5		status-only
SPCSO6	ABBIED600_Rev1_SPC_simple_dU	Output6		status-only
SPCSO7	ABBIED600_Rev1_SPC_simple_dU	Output7		status-only
SPCSO8	ABBIED600_Rev1_SPC_simple_dU	Output8		status-only
SPCSO9	ABBIED600_Rev1_SPC_simple_dU	Output9		status-only
SPCSO10	ABBIED600_Rev1_SPC_simple_dU	Output10		status-only
SPCSO11	ABBIED600_Rev1_SPC_simple_dU	Output11		status-only
SPCSO12	ABBIED600_Rev1_SPC_simple_dU	Output12		status-only
SPCSO13	ABBIED600_Rev1_SPC_simple_dU	Output13		status-only
SPCSO14	ABBIED600_Rev1_SPC_simple_dU	Output14		status-only
SPCSO15	ABBIED600_Rev1_SPC_simple_dU	Output15		status-only
SPCSO16	ABBIED600_Rev1_SPC_simple_dU	Output16		status-only
SPCSO17	ABBIED600_Rev1_SPC_simple_dU	Output17		status-only
SPCSO18	ABBIED600_Rev1_SPC_simple_dU	Output18		status-only
SPCSO19	ABBIED600_Rev1_SPC_simple_dU	Output19		status-only
SPCSO20	ABBIED600_Rev1_SPC_simple_dU	Output20		status-only
Out1Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_1 signal	E	ABBIED600:2014
Out2Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_2 signal	E	ABBIED600:2014
Out3Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_3 signal	E	ABBIED600:2014
Out4Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_4 signal	E	ABBIED600:2014
Out5Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_5 signal	E	ABBIED600:2014
Out6Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_6 signal	E	ABBIED600:2014
Out7Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_7 signal	E	ABBIED600:2014

Out8Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_8 signal	E	ABBIED600:2014
Out9Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_9 signal	E	ABBIED600:2014
Out10Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_10 signal	E	ABBIED600:2014
Out11Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_11 signal	E	ABBIED600:2014
Out12Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_12 signal	E	ABBIED600:2014
Out13Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_13 signal	E	ABBIED600:2014
Out14Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_14 signal	E	ABBIED600:2014
Out15Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_15 signal	E	ABBIED600:2014
Out16Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_16 signal	E	ABBIED600:2014
Out17Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_17 signal	E	ABBIED600:2014
Out18Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_18 signal	E	ABBIED600:2014
Out19Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_19 signal	E	ABBIED600:2014
Out20Conn	ABBIED600_Rev2_ENG_SP_OutConn_e	Connect OUT_20 signal	E	ABBIED600:2014

6.2.68 LN: ESMGAPC1 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Emergency start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Motor standstill A		
RqEmgStr	ABBIED600_Rev1_SPS_e	ST_EMERG_RQ	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.69 LN: STTPMSS1 Name: PMSS (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	BLOCK		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Str	ABBIED600_Rev1_ACD_simple	Signal to show that motor startup is in progress		
Op	ABBIED600_Rev1_ACT_simple	Operate/trip signal for stalling protection.		
MotStr	ABBIED600_Rev3_ASG_SG_i	Current value to indicate starting of motor		
Lo-kRotTms	ABBIED600_Rev1_ING_SG	Lock Rotor Time, permissible locked rotor time		

Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
OpMod-StUp	ABBIED600_Rev2_ENG_SP_Op-ModStUp_e	Motor start-up operation mode	E	ABBIED600:2014
StrOvDIT-mms	ABBIED600_Rev1_ING_SG_e	Time delay to check for completion of motor startup period	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_simple_i_e	Start time relative to the operate time for stall cond	E	ABBIED600:2014
EnaEmg-Str	ABBIED600_Rev1_SPS_e	Enable emergency start to disable lock of start motor	E	ABBIED600:2014
Stllnd	ABBIED600_Rev1_SPS_e	Input signal for showing the motor is not stalling	E	ABBIED600:2014
BlkLOStr	ABBIED600_Rev1_SPS_e	Blocks lock out condition for restart of motor	E	ABBIED600:2014
InPosCls	ABBIED600_Rev1_SPS_e	Input showing the status of motor circuit breaker	E	ABBIED600:2014
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
MotStop	ABBIED600_Rev3_ASG_SP_i_e	Current limit to check for motor standstill condition	E	ABBIED600:2014

6.2.70 LN: STTPMRI1 Name: PMRI (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Op	ABBIED600_Rev1_ACT_simple	Operate/trip signal for thermal stress.		
StrInh	ABBIED600_Rev1_SPS	Lock out condition for restart of motor.		
StrInhTmm	ABBIED600_Rev1_INS	Time left for restart when lockstart is enabled in minutes		
SetA	ABBIED600_Rev3_ASG_SG_i	Motor starting current		
SetTms	ABBIED600_Rev1_ING_SG	Motor starting time		
InhTmm	ABBIED600_Rev1_ING_SP_1	Time delay between consecutive startups		
StrUpCntRs	ABBIED600_Rev2_INC_control_int_e	Number of motor start-ups occurred	E	ABBIED600:2014,status-only,direct-with-normal-security

CntRedRte	ABBIED600_Rev3_ASG_SP_i_e	Start time counter reduction rate	E	ABBIED600:2014
EmgRedRte	ABBIED600_Rev3_ASG_SP_i_e	Start time reduction factor when emergency start is On	E	ABBIED600:2014
ThmStsPct	ABBIED600_Rev3_MV_simple_i_e	Thermal stress relative to set maximum thermal stress	E	ABBIED600:2014
TmsCum-StrUp	ABBIED600_Rev3_MV_simple_i_e	Cumulated start-up time in sec	E	ABBIED600:2014
TmsStrUp	ABBIED600_Rev3_MV_simple_i_e	Measured motor latest startup time in sec	E	ABBIED600:2014
CumLimTms	ABBIED600_Rev1_ING_SP_1_e	Cumulative time based restart inhibit limit	E	ABBIED600:2014
RsStrUpCnt	ABBIED600_Rev2_SPC_control_e	Reset number of motor start-ups counter	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.71 LN: PREVPTOC1 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	PREVPTOC1		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate time delay		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	PREVPTOC1	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.72 LN: JAMPTOC1 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
StrVal	ABBIED600_Rev3_ASG_SP_i	Start value		

OpDITmms	ABBIED600_Rev1_ING_SP	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.73 LN: MPTTR1 Name: PTTR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
TmpRI	ABBIED600_Rev3_MV_simple_i	THERMLEV		
Op	ABBIED600_Rev1_ACT_simple	Operate		
AlmThm	ABBIED600_Rev1_SPS	Thermal Alarm		
ConsTms1	ABBIED600_Rev1_ING_SG	Time constant normal		
ConsTms2	ABBIED600_Rev1_ING_SG	Motor time constant during the start of motor		
ConsTms3	ABBIED600_Rev1_ING_SG	Motor time constant during the standstill condition of motor		
AlmVal	ABBIED600_Rev3_ASG_SG_i	Alarm thermal value		
BlkThm	ABBIED600_Rev1_SPS	Restart inhibited		
ARef	ABBIED600_Rev3_ASG_SP_i_e	Rated current (FLC) of the motor	E	ABBIED600:2014
RsTmp	ABBIED600_Rev2_SPC_control_e	MPTTR1 temperature	E	ABBIED600:2014,status-only,direct-with-normal-security
DropoutVal	ABBIED600_Rev3_ASG_SG_i	Restart thermal Val		
WghFact	ABBIED600_Rev3_ASG_SG_i_e	Weighting factor	E	ABBIED600:2014
OvlFact	ABBIED600_Rev3_ASG_SG_i_e	Overload factor (k)	E	ABBIED600:2014
NgSeqFact	ABBIED600_Rev3_ASG_SG_i_e	Heating effect factor for negative sequence current	E	ABBIED600:2014
EnvTmpSet	ABBIED600_Rev3_ASG_SG_i_e	Ambient temperature	E	ABBIED600:2014
IniTmp	ABBIED600_Rev3_ASG_SP_i_e	Initial thermal Val	E	ABBIED600:2014
EnvTmpMod	ABBIED600_Rev2_ENG_SG_EnvTmpMod_e	Mode of measuring ambient temperature	E	ABBIED600:2014

EnaEmgStr	ABBIED600_Rev1_SPS_e	Enable emergency start to disable lock of start motor	E	ABBIED600:2014
TmpUsed	ABBIED600_Rev3_MV_simple_i_e	The ambient temperature used in the calculation	E	ABBIED600:2014
TmpAmb	ABBIED600_Rev3_MV_simple_i_e	Ambient temperature	E	ABBIED600:2014
ThmLevStr	ABBIED600_Rev3_MV_simple_i_e	Thermal level at beginning of motor startup	E	ABBIED600:2014
ThmLevEnd	ABBIED600_Rev3_MV_simple_i_e	Thermal level at the end of motor startup situation	E	ABBIED600:2014
BlkThmRsTm	ABBIED600_Rev1_INS_e	Estimated time to reset of block restart	E	ABBIED600:2014
TstOutCmd	AB-BIED600_Rev20_ENC_TstOut_e	MPTTR1	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.74 LN: LOFLPTUC1 Name: PTUC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Current setting/Start value high		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
BlkValA	ABBIED600_Rev3_ASG_SG_i_e	Current setting/Start value low	E	IEC 61850-7-4:2007
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.75 LN: PHLPTOC1 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		

Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDITmms	ABBIED600_Rev1_ING SG	Operate Delay Time		
TypRsCrv	AB-BIED600_Rev3_ENG SG_TypRsCrv	Type of Reset Curve		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	ABBIED600:2014
NumPh	AB-BIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	ABBIED600:2014
StrValMult	ABBIED600_Rev3_ASG SG_i_e	Multiplier for scaling the start value	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
AMeasMod	ABBIED600_Rev3_ENG_SP_Meas-Mod_e	Measuring mode	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.76 LN: TPSGAPC1 Name: GACP (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS	IN1		
Ind2	ABBIED600_Rev1_SPS	IN2		
SPCSO1	ABBIED600_Rev1_SPC_simple	Q1		status-only
SPCSO2	ABBIED600_Rev1_SPC_simple	Q2		status-only
PlsTms	ABBIED600_Rev1_ING_SP_1_e	Minimum pulse time	E	ABBIED600:2014

6.2.77 LN: EFLPTOC1 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		

Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measurement mode selection	E	ABBIED600:2014
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for operate current level	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
InEnaMult	ABBIED600_Rev1_SPS_e	Enable current multiplier	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
AResSigSel	AB-BIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used lo signal	E	ABBIED600:2014

6.2.78 LN: EFHPTOC1 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		

TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measurement mode selection	E	ABBIED600:2014
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for operate current level	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
InEnaMult	ABBIED600_Rev1_SPS_e	Enable current multiplier	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
AResSigSel	AB-BIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used Io signal	E	ABBIED600:2014

6.2.79 LN: MNSPTOC1 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	AB-BIED600_Rev2_CURVE_SG_setCharacter	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Machine time Mult		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
Max-OpTmms	ABBIED600_Rev1_ING_SP	Maximum Operate Time		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		

StrInh	ABBIED600_Rev1_SPS_e	Overheated machine reconnection blocking	E	IEC 61850-7-4:2007
ARef	ABBIED600_Rev3_ASG_SP_i_e	Rated current (Ir) of the machine (used only in the IDMT)	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
CITms	ABBIED600_Rev1_ING_SP_1_e	Cooling time	E	ABBIED600:2014
TmsRecEna	ABBIED600_Rev1_INS_e	Estimated time to reset of block restart	E	ABBIED600:2014

6.2.80 LN: MNSPTOC2 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	AB-BIED600_Rev2_CURVE SG_setCharacter	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Machine time Mult		
MinOpTmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
Max-OpTmms	ABBIED600_Rev1_ING_SP	Maximum Operate Time		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrInh	ABBIED600_Rev1_SPS_e	Overheated machine reconnection blocking	E	IEC 61850-7-4:2007
ARef	ABBIED600_Rev3_ASG_SP_i_e	Rated current (Ir) of the machine (used only in the IDMT)	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014

TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
CITms	ABBIED600_Rev1_ING_SP_1_e	Cooling time	E	ABBIED600:2014
TmsRecEna	ABBIED600_Rev1_INS_e	Estimated time to reset of block re-start	E	ABBIED600:2014

6.2.81 LN: HIAPDIF1 Name: PDIF (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
LoSet	ABBIED600_Rev3_ASG_SG_i	Low operate value, percentage of the nominal current		
MinOp-Tmms	ABBIED600_Rev1_ING_SG	Minimum Operate Time		
RsDIT-mms	ABBIED600_Rev1_ING_SP	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.82 LN: HIBPDIF1 Name: PDIF (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
LoSet	ABBIED600_Rev3_ASG_SG_i	Low operate value, percentage of the nominal current		
MinOp-Tmms	ABBIED600_Rev1_ING_SG	Minimum Operate Time		
RsDIT-mms	ABBIED600_Rev1_ING_SP	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014

TestPro	AB-BIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
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6.2.83 LN: HICPDIF1 Name: PDIF (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
LoSet	ABBIED600_Rev3_ASG_SG_i	Low operate value, percentage of the nominal current		
MinOp-Tmms	ABBIED600_Rev1_ING_SG	Minimum Operate Time		
RsDIT-mms	ABBIED600_Rev1_ING_SP	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TestPro	AB-BIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.84 LN: PHPTUV1 Name: PTUV (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmVCr	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDIT-mms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
TypRsCrv	AB-BIED600_Rev3_ENG_SG_TypRsCrv_e	Type of Reset Curve	E	IEC 61850-7-4:2007
BlkVal	ABBIED600_Rev3_ASG_SP_i_e	Voltage block value	E	IEC 61850-7-4:2007

NumPh	AB-BIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
CrSatRI	ABBIED600_Rev1_ASG_SP_f_e	Tuning parameter to avoid curve discontinuities	E	ABBIED600:2014
VSel	ABBIED600_Rev3_ENG_SP_VSel_e	Parameter to select phase or phase-to-phase voltages	E	ABBIED600:2014
EnaBlkVal	ABBIED600_Rev1_SPG_SP_e	Enable block value	E	ABBIED600:2014
HysRI	ABBIED600_Rev3_ASG_SP_i_e	Relative hysteresis for operation	E	ABBIED600:2014
TypTmRs	AB-BIED600_Rev2_ENG_SG_TypTmRs_e	Type of time reset	E	ABBIED600:2014

6.2.85 LN: PHPTUV2 Name: PTUV (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmVCrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDIT-mms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
TypRsCrv	AB-BIED600_Rev3_ENG_SG_TypRsCrv_e	Type of Reset Curve	E	IEC 61850-7-4:2007
BlkVal	ABBIED600_Rev3_ASG_SP_i_e	Voltage block value	E	IEC 61850-7-4:2007
NumPh	AB-BIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014

TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
CrSatRI	ABBIED600_Rev1_ASG_SP_f_e	Tuning parameter to avoid curve discontinuities	E	ABBIED600:2014
VSel	ABBIED600_Rev3_ENG_SP_VSel_e	Parameter to select phase or phase-to-phase voltages	E	ABBIED600:2014
EnaBlkVal	ABBIED600_Rev1_SPG_SP_e	Enable block value	E	ABBIED600:2014
HysRI	ABBIED600_Rev3_ASG_SP_i_e	Relative hysteresis for operation	E	ABBIED600:2014
TypTmRs	AB-BIED600_Rev2_ENG_SG_TypTmRs_e	Type of time reset	E	ABBIED600:2014

6.2.86 LN: PHPTUV3 Name: PTUV (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmVCr	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDIT-mms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
TypRsCr	AB-BIED600_Rev3_ENG_SG_TypRsCr_e	Type of Reset Curve	E	IEC 61850-7-4:2007
BlkVal	ABBIED600_Rev3_ASG_SP_i_e	Voltage block value	E	IEC 61850-7-4:2007
NumPh	AB-BIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

CrSatRI	ABBIED600_Rev1_ASG_SP_f_e	Tuning parameter to avoid curve discontinuities	E	ABBIED600:2014
VSel	ABBIED600_Rev3_ENG_SP_VSel_e	Parameter to select phase or phase-to-phase voltages	E	ABBIED600:2014
EnaBlkVal	ABBIED600_Rev1_SPG_SP_e	Enable block value	E	ABBIED600:2014
HysRI	ABBIED600_Rev3_ASG_SP_i_e	Relative hysteresis for operation	E	ABBIED600:2014
TypTmRs	AB-BIED600_Rev2_ENG_SG_TypTmRs_e	Type of time reset	E	ABBIED600:2014

6.2.87 LN: PHPTOV1 Name: PTOV (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmVCrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDIT-mms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
TypRsCrv	AB-BIED600_Rev3_ENG_SG_TypRsCrv_e	Type of Reset Curve	E	IEC 61850-7-4:2007
NumPh	AB-BIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
CrSatRI	ABBIED600_Rev1_ASG_SP_f_e	Tuning parameter to avoid curve discontinuities	E	ABBIED600:2014
VSel	ABBIED600_Rev3_ENG_SP_VSel_e	Parameter to select phase or phase-to-phase voltages	E	ABBIED600:2014

HysRI	ABBIED600_Rev3_ASG_SP_i_e	Relative hysteresis for operation	E	ABBIED600:2014
TypTmRs	AB-BIED600_Rev2_ENG_SG_TypTmRs_e	Type of time reset	E	ABBIED600:2014

6.2.88 LN: PHPTOV2 Name: PTOV (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_Of-fOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmVCrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDIT-mms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
TypRsCrv	AB-BIED600_Rev3_ENG_SG_TypRsCrv_e	Type of Reset Curve	E	IEC 61850-7-4:2007
NumPh	AB-BIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
CrSatRI	ABBIED600_Rev1_ASG_SP_f_e	Tuning parameter to avoid curve discontinuities	E	ABBIED600:2014
VSel	ABBIED600_Rev3_ENG_SP_VSel_e	Parameter to select phase or phase-to-phase voltages	E	ABBIED600:2014
HysRI	ABBIED600_Rev3_ASG_SP_i_e	Relative hysteresis for operation	E	ABBIED600:2014
TypTmRs	AB-BIED600_Rev2_ENG_SG_TypTmRs_e	Type of time reset	E	ABBIED600:2014

6.2.89 LN: PHPTOV3 Name: PTOV (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmVCr	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDIT-mms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
TypRsCr	AB-BIED600_Rev3_ENG_SG_TypRsCr_e	Type of Reset Curve	E	IEC 61850-7-4:2007
NumPh	AB-BIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
CrvSatRI	ABBIED600_Rev1_ASG_SP_f_e	Tuning parameter to avoid curve discontinuities	E	ABBIED600:2014
VSel	ABBIED600_Rev3_ENG_SP_VSel_e	Parameter to select phase or phase-to-phase voltages	E	ABBIED600:2014
HysRI	ABBIED600_Rev3_ASG_SP_i_e	Relative hysteresis for operation	E	ABBIED600:2014
TypTmRs	AB-BIED600_Rev2_ENG_SG_TypTmRs_e	Type of time reset	E	ABBIED600:2014

6.2.90 LN: ROVPTOV1 Name: PTOV (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Residual Over Voltage start value		

OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
VResSigSel	AB-BIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	ABBIED600:2014

6.2.91 LN: ROVPTOV2 Name: PTOV (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Residual Over Voltage start value		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
VResSigSel	AB-BIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	ABBIED600:2014

6.2.92 LN: ROVPTOV3 Name: PTOV (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security

Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Residual Over Voltage start value		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
VResSigSel	AB-BIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	ABBIED600:2014

6.2.93 LN: PSPTUV1 Name: PTUV (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
BlkVal	ABBIED600_Rev3_ASG_SG_i_e	Voltage block value	E	IEC 61850-7-4:2007
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
EnaBlkVal	ABBIED600_Rev1_SPG_SG_e	Enable block value	E	ABBIED600:2014

HysRI	ABBIED600_Rev3_ASG_SP_i_e	Relative hysteresis for operation	E	ABBIED600:2014
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6.2.94 LN: PSPTUV2 Name: PTUV (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
BlkVal	ABBIED600_Rev3_ASG_SG_i_e	Voltage block value	E	IEC 61850-7-4:2007
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
EnaBlkVal	ABBIED600_Rev1_SPG_SG_e	Enable block value	E	ABBIED600:2014
HysRI	ABBIED600_Rev3_ASG_SP_i_e	Relative hysteresis for operation	E	ABBIED600:2014

6.2.95 LN: NSPTOV1 Name: PTOV (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		

StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.96 LN: NSPTOV2 Name: PTOV (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.97 LN: FRPTRC1 Name: PTRC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Str	ABBIED600_Rev1_ACD_simple	Start		
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
OpMod-ProHz	ABBIED600_Rev2_ENG_SG_OpMod-ProHz_e	Operation mode	E	ABBIED600:2014

6.2.98 LN: FRPTOF1 Name: PTOF (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Str	ABBIED600_Rev1_ACD_simple	Start, overfrequency		
Op	ABBIED600_Rev1_ACT_simple	Operate, overfrequency		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time, overfrequency	E	AB-BIED600:2014

6.2.99 LN: FRPTUF1 Name: PTUF (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Str	ABBIED600_Rev1_ACD_simple	Start, underfrequency		
Op	ABBIED600_Rev1_ACT_simple	Operate, underfrequency		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time, underfrequency	E	AB-BIED600:2014

6.2.100 LN: FRPFRC1 Name: PFRC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Str	ABBIED600_Rev1_ACD_simple	Start, frequency gradient		
Op	ABBIED600_Rev1_ACT_simple	Operate, frequency gradient		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value df/dt		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time, frequency gradient	E	AB-BIED600:2014

6.2.101 LN: FRPTRC2 Name: PTRC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	ABBIED600_Rev2_ENC_Mod_Of_fOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Op	ABBIED600_Rev1_ACT_simple	Operate		
Str	ABBIED600_Rev1_ACD_simple	Start		
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
OpMod-ProHz	ABBIED600_Rev2_ENG_SG_OpMod_ProHz_e	Operation mode	E	ABBIED600:2014

6.2.102 LN: FRPTOF2 Name: PTOF (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Str	ABBIED600_Rev1_ACD_simple	Start, overfrequency		
Op	ABBIED600_Rev1_ACT_simple	Operate, overfrequency		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time, overfrequency	E	AB-BIED600:2014

6.2.103 LN: FRPTUF2 Name: PTUF (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Str	ABBIED600_Rev1_ACD_simple	Start, underfrequency		
Op	ABBIED600_Rev1_ACT_simple	Operate, underfrequency		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time, underfrequency	E	AB-BIED600:2014

6.2.104 LN: FRPFRC2 Name: PFRC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	AB-BIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Str	ABBIED600_Rev1_ACD_simple	Start, frequency gradient		
Op	ABBIED600_Rev1_ACT_simple	Operate, frequency gradient		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value df/dt		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time, frequency gradient	E	AB-BIED600:2014

6.2.105 LN: FMMXU1 Name: MMXU (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Operation		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Hz	ABBIED600_Rev4_MV_5	Frequency		
DefHzSel	AB-BIED600_Rev1_ENG_SP_DefHzSel_e	Default frequency selection	E	ABBIED600:2014

6.2.106 LN: VMMXU2 Name: MMXU (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Operation		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
PPV	AB-BIED600_Rev3_DEL_threephase_full_i	Phase to phase voltages		
PhV	ABBIED600_Rev3_WYE_4	Phase to ground voltages		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
VMeas-Mod	ABBIED600_Rev3_ENG_SP_Meas-Mod_e	Selects used measurement mode	E	ABBIED600:2014
NumPh	AB-BIED600_Rev3_ENG_SP_StrPhSel_e	Num of phases	E	ABBIED600:2014
HiAlm	ABBIED600_Rev1_SPS_e	High alarm	E	ABBIED600:2014
HiWrn	ABBIED600_Rev1_SPS_e	High warning	E	ABBIED600:2014
LoWrn	ABBIED600_Rev1_SPS_e	Low warning	E	ABBIED600:2014
LoAlm	ABBIED600_Rev1_SPS_e	Low alarm	E	ABBIED600:2014

6.2.107 LN: PHHPTOC1 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security

Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDITmms	ABBIED600_Rev1_ING SG	Operate Delay Time		
TypRsCrv	AB-BIED600_Rev3_ENG SG_TypRsCrv	Type of Reset Curve		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	ABBIED600:2014
NumPh	AB-BIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	ABBIED600:2014
StrValMult	ABBIED600_Rev3_ASG SG_i_e	Multiplier for scaling the start value	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
AMeasMod	ABBIED600_Rev3_ENG_SP_Meas-Mod_e	Measuring mode	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.108 LN: PHHPTOC2 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG SG_i	Time Dial Multiplier		

MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	AB-BIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	ABBIED600:2014
NumPh	AB-BIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	ABBIED600:2014
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
AMeasMod	ABBIED600_Rev3_ENG_SP_Meas-Mod_e	Measuring mode	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.109 LN: DEFHPTOC1 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Selection of reset curve type		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
VStr	ABBIED600_Rev3_ASG_SG_i_e	Voltage start value	E	IEC 61850-7-4:2007

StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	ABBIED600:2014
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	ABBIED600:2014
AMeasMod	ABBIED600_Rev3_ENG_SP_Meas-Mod_e	Selects used measurement mode	E	ABBIED600:2014
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
EnaVLim	ABBIED600_Rev1_SPG_SG_e	Enable voltage limit	E	ABBIED600:2014
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
AResSigSel	AB-BIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used lo signal	E	ABBIED600:2014

6.2.110 LN: DEFHRDIR1 Name: RDIR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Dir	ABBIED600_Rev1_ACD_simple	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Minimum operating current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Minimum operating voltage		
PolQty	ABBIED600_Rev1_ENG_SP_PolQty	Polarizing quantity		
InRcaCtl	ABBIED600_Rev1_SPS_e	Relay characteristic angle control	E	AB-BIED600:2014
OpModEF	ABBIED600_Rev2_ENG_SG_Op-ModEF_e	Operation criteria	E	AB-BIED600:2014
CorAng	ABBIED600_Rev3_ASG_SP_i_e	Correction angle	E	AB-BIED600:2014
RevPol	ABBIED600_Rev1_SPG_SP_e	Rotate polarizing quantity	E	AB-BIED600:2014

OpAEF	ABBIED600_Rev3_MV_simple_i_e	Operating current for EF protection	E	AB-BIED600:2014
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and polarizing quantity	E	AB-BIED600:2014
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating angle and characteristic angle	E	AB-BIED600:2014
VResSigSel	AB-BIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	AB-BIED600:2014

6.2.111 LN: DEFLPTOC1 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE SG	Curve parameter E		
StrVal	ABBIED600_Rev3_ASG SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDITmms	ABBIED600_Rev1_ING SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG SG_TypRsCrv	Selection of reset curve type		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG SG_DirMod	Directional Mode		
VStr	ABBIED600_Rev3_ASG SG_i_e	Voltage start value	E	IEC 61850-7-4:2007
StrValMult	ABBIED600_Rev3_ASG SG_i_e	Multiplier for scaling the start value	E	ABBIED600:2014
AllwNonDir	ABBIED600_Rev1_SPG SP_e	Allows prot activation as non-dir when dir info is invalid	E	ABBIED600:2014
AMeasMod	ABBIED600_Rev3_ENG SP_Meas-Mod_e	Selects used measurement mode	E	ABBIED600:2014
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	ABBIED600:2014

StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
EnaVLim	ABBIED600_Rev1_SPG_SG_e	Enable voltage limit	E	ABBIED600:2014
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
AResSigSel	AB-BIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used lo signal	E	ABBIED600:2014

6.2.112 LN: DEFLRDIR1 Name: RDIR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Dir	ABBIED600_Rev1_ACD_simple	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Minimum operating current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Minimum operating voltage		
PolQty	ABBIED600_Rev1_ENG_SP_PolQty	Polarizing quantity		
InRcaCtl	ABBIED600_Rev1_SPS_e	Relay characteristic angle control	E	AB-BIED600:2014
OpModEF	ABBIED600_Rev2_ENG_SG_Op-ModEF_e	Operation criteria	E	AB-BIED600:2014
CorAng	ABBIED600_Rev3_ASG_SP_i_e	Correction angle	E	AB-BIED600:2014
RevPol	ABBIED600_Rev1_SPG_SP_e	Rotate polarizing quantity	E	AB-BIED600:2014
OpAEF	ABBIED600_Rev3_MV_simple_i_e	Operating current for EF protection	E	AB-BIED600:2014
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and polarizing quantity	E	AB-BIED600:2014
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating angle and characteristic angle	E	AB-BIED600:2014
VResSigSel	AB-BIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	AB-BIED600:2014

6.2.113 LN: DEFLPTOC2 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE SG	Curve parameter E		
StrVal	ABBIED600_Rev3_ASG SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDITmms	ABBIED600_Rev1_ING SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG SG_TypRsCrv	Selection of reset curve type		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG SG_DirMod	Directional Mode		
VStr	ABBIED600_Rev3_ASG SG_i_e	Voltage start value	E	IEC 61850-7-4:2007
StrValMult	ABBIED600_Rev3_ASG SG_i_e	Multiplier for scaling the start value	E	ABBIED600:2014
AllwNonDir	ABBIED600_Rev1_SPG SP_e	Allows prot activation as non-dir when dir info is invalid	E	ABBIED600:2014
AMeasMod	ABBIED600_Rev3_ENG SP_Meas-Mod_e	Selects used measurement mode	E	ABBIED600:2014
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_simple_i_e	Ratio of start time / operate time	E	ABBIED600:2014
EnaVLim	ABBIED600_Rev1_SPG SG_e	Enable voltage limit	E	ABBIED600:2014
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
AResSigSel	AB-BIED600_Rev2_ENG SP_AResSigSel_e	Selection for used lo signal	E	ABBIED600:2014

6.2.114 LN: DEFLRDIR2 Name: RDIR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Dir	ABBIED600_Rev1_ACD_simple	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Minimum operating current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Minimum operating voltage		
PolQty	ABBIED600_Rev1_ENG_SP_PolQty	Polarizing quantity		
InRcaCtl	ABBIED600_Rev1_SPS_e	Relay characteristic angle control	E	AB-BIED600:2014
OpModEF	ABBIED600_Rev2_ENG_SG_Op-ModEF_e	Operation criteria	E	AB-BIED600:2014
CorAng	ABBIED600_Rev3_ASG_SP_i_e	Correction angle	E	AB-BIED600:2014
RevPol	ABBIED600_Rev1_SPG_SP_e	Rotate polarizing quantity	E	AB-BIED600:2014
OpAEF	ABBIED600_Rev3_MV_simple_i_e	Operating current for EF protection	E	AB-BIED600:2014
OpPolAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating and polarizing quantity	E	AB-BIED600:2014
OpChrAng	ABBIED600_Rev3_MV_simple_i_e	Angle between operating angle and characteristic angle	E	AB-BIED600:2014
VResSigSel	AB-BIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	AB-BIED600:2014

6.2.115 LN: INTRPTEF1 Name: PTEF (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
GndStr	ABBIED600_Rev3_ASG_SG_i	Voltage start value		

DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
OpDITmms	ABBIED600_Rev1_ING_SG_e	Operate Delay Time	E	IEC 61850-7-4:2007
RsDITmms	ABBIED600_Rev1_ING_SP_1_e	Reset Delay Time	E	IEC 61850-7-4:2007
BlkValA	ABBIED600_Rev3_ASG_SP_i_e	Minimum operating current	E	IEC 61850-7-4:2007
InhEF	ABBIED600_Rev1_SPS_e	Block EF	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
PkCntLim	ABBIED600_Rev1_ING_SP_1_e	Min requirement for peak counter before start in IEF mode	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
OpModTEF	ABBIED600_Rev3_ENG_SP_OpModTEF_e	Operation mode for function	E	ABBIED600:2014
VResSigSel	AB-BIED600_Rev2_ENG_SP_VResSigSel_e	Selection for used Uo signal	E	ABBIED600:2014

6.2.116 LN: EFLPTOC2 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
TmACrv	ABBIED600_Rev2_CURVE SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	ABBIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		

AMeasMod	ABBIED600_Rev3_ENG_SP_MeasMod_e	Measurement mode selection	E	ABBIED600:2014
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for operate current level	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
InEnaMult	ABBIED600_Rev1_SPS_e	Enable current multiplier	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
AResSigSel	AB-BIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used lo signal	E	ABBIED600:2014

6.2.117 LN: EFIPTOC1 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_simple	Start		
Op	ABBIED600_Rev1_ACT_simple	Operate		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
OpDITmms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for operate current level	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
InEnaMult	ABBIED600_Rev1_SPS_e	Enable current multiplier	E	ABBIED600:2014
TstOutCmd	ABBIED600_Rev20_ENC_TstOut_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
AResSigSel	AB-BIED600_Rev2_ENG_SP_AResSigSel_e	Selection for used lo signal	E	ABBIED600:2014

6.2.118 LN: DPHLPTOC1 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	ABBIED600_Rev2_ENC_Mod_Of-fOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDIT-mms	ABBIED600_Rev1_ING SG	Operate Delay Time		
TypRsCrv	AB-BIED600_Rev3_ENG SG_TypRsCrv	Type of Reset Curve		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG SG_DirMod	Directional Mode		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	ABBIED600:2014
NumPh	AB-BIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	ABBIED600:2014
StrValMult	ABBIED600_Rev3_ASG SG_i_e	Multiplier for scaling the start value	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
AMeas-Mod	ABBIED600_Rev3_ENG_SP_Meas-Mod_e	Measuring mode	E	ABBIED600:2014
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	ABBIED600:2014
NonDir	ABBIED600_Rev1_SPS_e	Forces protection to non-directional	E	ABBIED600:2014

6.2.119 LN: DPHLRDIR1 Name: RDIR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Dir	AB-BIED600_Rev1_ACD_threephase	Direction		
ChrAng	ABBIED600_Rev3_ASG SG_i	Characteristic angle		

MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
PolQty	AB-BIED600_Rev3_ENG_SG_PolQty	Polarising Quantity		
VMemTmms	ABBIED600_Rev1_ING_SG_e	Voltage memory time	E	AB-BIED600:2014
Op-ChrAngPhsA	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase A	E	AB-BIED600:2014
Op-ChrAngPhsB	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase B	E	AB-BIED600:2014
Op-ChrAngPhsC	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase C	E	AB-BIED600:2014
VMemUsedSt	ABBIED600_Rev1_SPS_e	Voltage memory in use status	E	AB-BIED600:2014

6.2.120 LN: DPHLPTOC2 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDIT-mms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	AB-BIED600_Rev3_ENG_SG_TypRsCrv	Type of Reset Curve		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
InEnaMult	ABBIED600_Rev1_SPS_e	Enable signal for current multiplier	E	ABBIED600:2014

NumPh	AB-BIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	ABBIED600:2014
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
AMeas-Mod	ABBIED600_Rev3_ENG_SP_Meas-Mod_e	Measuring mode	E	ABBIED600:2014
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	ABBIED600:2014
NonDir	ABBIED600_Rev1_SPS_e	Forces protection to non-directional	E	ABBIED600:2014

6.2.121 LN: DPHLRDIR2 Name: RDIR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Dir	AB-BIED600_Rev1_ACD_threephase	Direction		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
PolQty	AB-BIED600_Rev3_ENG_SG_PolQty	Polarising Quantity		
VMemTmms	ABBIED600_Rev1_ING_SG_e	Voltage memory time	E	AB-BIED600:2014
Op-ChrAngPhsA	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase A	E	AB-BIED600:2014
Op-ChrAngPhsB	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase B	E	AB-BIED600:2014
Op-ChrAngPhsC	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase C	E	AB-BIED600:2014
VMemUsedSt	ABBIED600_Rev1_SPS_e	Voltage memory in use status	E	AB-BIED600:2014

6.2.122 LN: DPHHPTOC1 Name: PTOC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
Str	ABBIED600_Rev1_ACD_threephase	Start		
Op	ABBIED600_Rev1_ACT_threephase	Operate		
TmACrv	ABBIED600_Rev2_CURVE_SG	Operating Curve Type		
StrVal	ABBIED600_Rev3_ASG_SG_i	Start value		
TmMult	ABBIED600_Rev3_ASG_SG_i	Time Dial Multiplier		
MinOp-Tmms	ABBIED600_Rev1_ING_SP_1	Minimum Operate Time		
OpDIT-mms	ABBIED600_Rev1_ING_SG	Operate Delay Time		
TypRsCrv	AB-BIED600_Rev3_ENG_SG_TypRsCrv	Selection of reset curve type		
RsDITmms	ABBIED600_Rev1_ING_SP_1	Reset Delay Time		
DirMod	ABBIED600_Rev3_ENG_SG_DirMod	Directional Mode		
InEnaMult	ABBIED600_Rev1_SPS_e	Enables current multiplier	E	ABBIED600:2014
NumPh	AB-BIED600_Rev3_ENG_SP_StrPhSel_e	Number of phases required for operate activation	E	ABBIED600:2014
StrValMult	ABBIED600_Rev3_ASG_SG_i_e	Multiplier for scaling the start value	E	ABBIED600:2014
StrDur	ABBIED600_Rev3_MV_2_e	Ratio of start time / operate time	E	ABBIED600:2014
AMeas-Mod	ABBIED600_Rev3_ENG_SP_Meas-Mod_e	Selects used measurement mode	E	ABBIED600:2014
TestPro	ABBIED600_Rev2_ENC_TestPro_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security
AllwNonDir	ABBIED600_Rev1_SPG_SP_e	Allows prot activation as non-dir when dir info is invalid	E	ABBIED600:2014
NonDir	ABBIED600_Rev1_SPS_e	Forces protection to non-directional	E	ABBIED600:2014

6.2.123 LN: DPHHRDIR1 Name: RDIR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		

Dir	AB-BIED600_Rev1_ACD_threephase	DIR		
ChrAng	ABBIED600_Rev3_ASG_SG_i	Characteristic angle		
MinFwdAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in forward direction		
MinRvAng	ABBIED600_Rev3_ASG_SG_i	Minimum phase angle in reverse direction		
MaxFwdAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in forward direction		
MaxRvAng	ABBIED600_Rev3_ASG_SG_i	Maximum phase angle in reverse direction		
BlkValA	ABBIED600_Rev3_ASG_SP_i	Min operate current		
BlkValV	ABBIED600_Rev3_ASG_SP_i	Min operate voltage		
PolQty	AB-BIED600_Rev3_ENG_SG_PolQty	Polarizing quantity		
VMemTmms	ABBIED600_Rev1_ING_SG_e	Voltage memory time	E	AB-BIED600:2014
Op-ChrAngPhsA	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase A	E	AB-BIED600:2014
Op-ChrAngPhsB	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase B	E	AB-BIED600:2014
Op-ChrAngPhsC	ABBIED600_Rev3_MV_simple_i_e	Calc angle difference phase C	E	AB-BIED600:2014
VMemUsedSt	ABBIED600_Rev1_SPS_e	Voltage memory in use status	E	AB-BIED600:2014

6.2.124 LN: PEMMXU1 Name: MMXU (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
TotW	ABBIED600_Rev4_MV_3	Total Active Power (Total P)		
TotVAr	ABBIED600_Rev4_MV_3	Total Reactive Power (Total Q)		
TotVA	ABBIED600_Rev4_MV_3	Total Apparent Power (Total S)		
TotPF	ABBIED600_Rev4_MV_4	Average Power factor (Total PF)		
WhDir	ABBIED600_Rev2_ENG_SP_Dir-Mod2_e	Active power Dir	E	ABBIED600:2014
VArhDir	ABBIED600_Rev2_ENG_SP_Dir-Mod2_e	Reactive power Dir	E	ABBIED600:2014
RcdRs	ABBIED600_Rev2_SPC_control_e	PEMMXU1 demands	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.125 LN: PEMMTR1 Name: MMTR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	AB-BIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
SupWh	ABBIED600_Rev4_BCR_2	EA_RV_ACM		
SupVArh	ABBIED600_Rev4_BCR_2	ER_RV_ACM		
DmdWh	ABBIED600_Rev4_BCR_2	EA_FWD_ACM		
DmdVArh	ABBIED600_Rev4_BCR_2	ER_FWD_ACM		
IniDmdWh	AB-BIED600_Rev1_ING_SP_1_e	Preset Initial value for forward active energy	E	ABBIED600:2014
IniSupWh	AB-BIED600_Rev1_ING_SP_1_e	Preset Initial value for reverse active energy	E	ABBIED600:2014
IniDmdVArh	AB-BIED600_Rev1_ING_SP_1_e	Preset Initial value for forward reactive energy	E	ABBIED600:2014
IniSupVArh	AB-BIED600_Rev1_ING_SP_1_e	Preset Initial value for reverse reactive energy	E	ABBIED600:2014
SupDmdRs	ABBIED600_Rev2_SPC_control_e	Reset of accumulated energy readings	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.126 LN: IL1TCTR1 Name: TCTR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Mode		
ARtg	AB-BIED600_Rev3_ASG_SP_ARtg_VRtg	Primary rated current		
Cor	ABBIED600_Rev1_ASG_SP_f	Phase A Current phasor magnitude correction of an external current transformer		
AngCor	ABBIED600_Rev3_ASG_SP_i	Phase A Current phasor angle correction of an external current transformer		
Alm	ABBIED600_Rev1_SPS_e	Alarm	E	IEC 61850-7-4:2007
Wrn	ABBIED600_Rev1_SPS_e	Warning	E	IEC 61850-7-4:2007
ARtgScy	ABBIED600_Rev2_ENG_SP_ARtgSec_e	Secondary rated current	E	ABBIED600:2014
ARtgNom	ABBIED600_Rev1_ASG_SP_f_e	Network Nominal Current	E	ABBIED600:2014,order code dependent
VRtgScy-Rat	ABBIED600_Rev1_ASG_SP_f_e	Rated Secondary Value	E	ABBIED600:2014,order code dependent
RevPol	ABBIED600_Rev1_SPG_SP_e	Reverse polarity	E	ABBIED600:2014

6.2.127 LN: RESTCTR1 Name: TCTR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Mode		
ARtg	AB-BIED600_Rev3_ASG_SP_ARtg_VRtg	Primary rated current		
Cor	ABBIED600_Rev1_ASG_SP_f	Current phasor magnitude correction of an external current transformer		
AngCor	ABBIED600_Rev3_ASG_SP_i	Residual Current phasor angle correction of an external current transformer		
Alm	ABBIED600_Rev1_SPS_e	Alarm	E	IEC 61850-7-4:2007
Wrn	ABBIED600_Rev1_SPS_e	Warning	E	IEC 61850-7-4:2007
ARtgScy	ABBIED600_Rev2_ENG_SP_ARtgSec_e	Secondary rated current	E	AB-BIED600:2014
RevPol	ABBIED600_Rev1_SPG_SP_e	Reverse polarity	E	AB-BIED600:2014

6.2.128 LN: RESTVTR1 Name: TVTR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Mode		
VRtg	AB-BIED600_Rev3_ASG_SP_ARtg_VRtg	Rated primary voltage		
Cor	ABBIED600_Rev1_ASG_SP_f	Voltage phasor magnitude correction of external voltage transformer		
AngCor	ABBIED600_Rev3_ASG_SP_i	Residual Voltage phasor angle correction of an external voltage transformer		
Alm	ABBIED600_Rev1_SPS_e	Alarm	E	IEC 61850-7-4:2007
Wrn	ABBIED600_Rev1_SPS_e	Warning	E	IEC 61850-7-4:2007
VRtgScy	ABBIED600_Rev1_ASG_SP_f_e	Rated secondary voltage	E	AB-BIED600:2014

6.2.129 LN: XGGIO120 Name: GGIO (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_OnOff_No-Blk	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		

Ind1	ABBIED600_Rev1_SPS	X120-Input 1		
Ind2	ABBIED600_Rev1_SPS	X120-Input 2		
Ind3	ABBIED600_Rev1_SPS	X120-Input 3		
Ind4	ABBIED600_Rev1_SPS	X120-Input 4		order code dependent
Filtmms1	ABBIED600_Rev1_ING_SP_1_e	Input 1 filter time	E	ABBIED600:2014
Filtmms2	ABBIED600_Rev1_ING_SP_1_e	Input 2 filter time	E	ABBIED600:2014
Filtmms3	ABBIED600_Rev1_ING_SP_1_e	Input 3 filter time	E	ABBIED600:2014
Filtmms4	ABBIED600_Rev1_ING_SP_1_e	Input 4 filter time	E	ABBIED600:2014,order code dependent
DigInInv1	ABBIED600_Rev1_SPG_SP_e	Input 1 inversion	E	ABBIED600:2014
DigInInv2	ABBIED600_Rev1_SPG_SP_e	Input 2 inversion	E	ABBIED600:2014
DigInInv3	ABBIED600_Rev1_SPG_SP_e	Input 3 inversion	E	ABBIED600:2014
DigInInv4	ABBIED600_Rev1_SPG_SP_e	Input 4 inversion	E	ABBIED600:2014,order code dependent
CardNam	AB-BIED600_Rev8_DPL_eeprom_2_ED2_e	Card information	E	ABBIED600:2014
Hwld	ABBIED600_Rev1_LPL_VSS_1_20_e	HW module	E	ABBIED600:2014
TestStald	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	ABBIED600:2014

6.2.130 LN: RESVMMXU1 Name: MMXU (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Operation		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
PhV	ABBIED600_Rev3_WYE_res_full_i	Residual voltage		
VMeas-Mod	ABBIED600_Rev3_ENG_SP_Meas-Mod_e	Selects used measurement mode	E	ABBIED600:2014
HiAlm	ABBIED600_Rev1_SPS_e	High alarm	E	ABBIED600:2014
HiWrn	ABBIED600_Rev1_SPS_e	High warning	E	ABBIED600:2014
RcdRs	ABBIED600_Rev2_SPC_control_e	RESVMMXU1 demands	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.131 LN: UL1TVTR1 Name: TVTR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks

Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Mode		
FuFail	ABBIED600_Rev1_SPS	TVTR fuse failure		
VRtg	ABBIED600_Rev3_ASG_SP_ARtg_VRtg	Primary rated voltage		
Rat	ABBIED600_Rev1_ASG_SP_f	Division ratio		
Cor	ABBIED600_Rev1_ASG_SP_f	Amplitude corr. A		
AngCor	ABBIED600_Rev3_ASG_SP_i	Angle corr. A		
Alm	ABBIED600_Rev1_SPS_e	Alarm	E	IEC 61850-7-4:2007
Wrn	ABBIED600_Rev1_SPS_e	Warning	E	IEC 61850-7-4:2007
VRtgScy	ABBIED600_Rev1_ASG_SP_f_e	Secondary rated voltage	E	ABBIED600:2014
VConnTyp	AB-BIED600_Rev3_ENG_SP_ConnType_e	VT connection	E	ABBIED600:2014
VInTyp	ABBIED600_Rev2_ENG_SP_AnInType_e	Type of the voltage input	E	ABBIED600:2014

6.2.132 LN: VMMXU1 Name: MMXU (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffOn_FD	Operation		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
PPV	AB-BIED600_Rev3_DEL_threephase_full_i	Phase to phase voltages		
PhV	ABBIED600_Rev3_WYE_4	Phase to ground voltages		
Blk	ABBIED600_Rev1_SPS_simple	Block signal for all binary outputs		
VMes-Mod	ABBIED600_Rev3_ENG_SP_Meas-Mod_e	Selects used measurement mode	E	ABBIED600:2014
NumPh	AB-BIED600_Rev3_ENG_SP_StrPhSel_e	Num of phases	E	ABBIED600:2014
HiAlm	ABBIED600_Rev1_SPS_e	High alarm	E	ABBIED600:2014
HiWrn	ABBIED600_Rev1_SPS_e	High warning	E	ABBIED600:2014
LoWrn	ABBIED600_Rev1_SPS_e	Low warning	E	ABBIED600:2014
LoAlm	ABBIED600_Rev1_SPS_e	Low alarm	E	ABBIED600:2014

6.2.133 LN: XAGGIO130 Name: GGIO (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_OnOff_No-Blk	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Ind1	ABBIED600_Rev1_SPS	X130-Input 1		
Ind2	ABBIED600_Rev1_SPS	X130-Input 2		

Ind3	ABBIED600_Rev1_SPS	X130-Input 3		
Ind4	ABBIED600_Rev1_SPS	X130-Input 4		
Filtmms1	ABBIED600_Rev1_ING_SP_1_e	Input 1 filter time	E	ABBIED600:2014
Filtmms2	ABBIED600_Rev1_ING_SP_1_e	Input 2 filter time	E	ABBIED600:2014
Filtmms3	ABBIED600_Rev1_ING_SP_1_e	Input 3 filter time	E	ABBIED600:2014
Filtmms4	ABBIED600_Rev1_ING_SP_1_e	Input 4 filter time	E	ABBIED600:2014
DigInInv1	ABBIED600_Rev1_SPG_SP_e	Input 1 inversion	E	ABBIED600:2014
DigInInv2	ABBIED600_Rev1_SPG_SP_e	Input 2 inversion	E	ABBIED600:2014
DigInInv3	ABBIED600_Rev1_SPG_SP_e	Input 3 inversion	E	ABBIED600:2014
DigInInv4	ABBIED600_Rev1_SPG_SP_e	Input 4 inversion	E	ABBIED600:2014
CardNam	AB-BIED600_Rev8_DPL_eeprom_2_ED2_e	Card information	E	ABBIED600:2014
Hwld	ABBIED600_Rev1_LPL_VSS_1_20_e	HW module	E	ABBIED600:2014
TestStald	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	ABBIED600:2014

6.2.134 LN: XGGIO130 Name: GGIO (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_OnOff_No-Blk	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Health	ABBIED600_Rev4_ENS_health	Health		
SPCSO1	ABBIED600_Rev2_SPC_control	X130-Output 1		status-only,direct-with-normal-security
SPCSO2	ABBIED600_Rev2_SPC_control	X130-Output 2		status-only,direct-with-normal-security
SPCSO3	ABBIED600_Rev2_SPC_control	X130-Output 3		status-only,direct-with-normal-security
Ind1	ABBIED600_Rev1_SPS	X130-Input 1		
Ind2	ABBIED600_Rev1_SPS	X130-Input 2		
Ind3	ABBIED600_Rev1_SPS	X130-Input 3		
Ind4	ABBIED600_Rev1_SPS	X130-Input 4		
Ind5	ABBIED600_Rev1_SPS	X130-Input 5		
Ind6	ABBIED600_Rev1_SPS	X130-Input 6		
Filtmms1	ABBIED600_Rev1_ING_SP_1_e	Input 1 filter time	E	ABBIED600:2014
Filtmms2	ABBIED600_Rev1_ING_SP_1_e	Input 2 filter time	E	ABBIED600:2014

Filtmms3	ABBIED600_Rev1_ING_SP_1_e	Input 3 filter time	E	ABBIED600:2014
Filtmms4	ABBIED600_Rev1_ING_SP_1_e	Input 4 filter time	E	ABBIED600:2014
Filtmms5	ABBIED600_Rev1_ING_SP_1_e	Input 5 filter time	E	ABBIED600:2014
Filtmms6	ABBIED600_Rev1_ING_SP_1_e	Input 6 filter time	E	ABBIED600:2014
DigInInv1	ABBIED600_Rev1_SPG_SP_e	Input 1 inversion	E	ABBIED600:2014
DigInInv2	ABBIED600_Rev1_SPG_SP_e	Input 2 inversion	E	ABBIED600:2014
DigInInv3	ABBIED600_Rev1_SPG_SP_e	Input 3 inversion	E	ABBIED600:2014
DigInInv4	ABBIED600_Rev1_SPG_SP_e	Input 4 inversion	E	ABBIED600:2014
DigInInv5	ABBIED600_Rev1_SPG_SP_e	Input 5 inversion	E	ABBIED600:2014
DigInInv6	ABBIED600_Rev1_SPG_SP_e	Input 6 inversion	E	ABBIED600:2014
CardNam	AB-BIED600_Rev8_DPL_eeprom_2_ED2_e	Card information	E	ABBIED600:2014
Hwld	ABBIED600_Rev1_LPL_VSS_1_20_e	HW module	E	ABBIED600:2014
TestStald	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	ABBIED600:2014

6.2.135 LN: XGGIO90 Name: GGIO (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Beh	ABBIED600_Rev2_ENS_beh	X90 on/off		
CardNam	ABBIED600_Rev8_DPL_eeprom_2_ED2_e	Card information	E	ABBIED600:2014
Hwld	ABBIED600_Rev1_LPL_VSS_1_20_e	HW module	E	ABBIED600:2014
TestStald	ABBIED600_Rev1_LPL_VSS_dU_20_e	Testing	E	ABBIED600:2014

6.2.136 LN: SERLCCH1 Name: LCCH (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Beh	ABBIED600_Rev2_ENS_beh	SERLCCH1 on/off		
FibMod	AB-BIED600_Rev2_ENG_SP_FibMod_e	Fiber mode for COM1	E	ABBIED600:2014
SerMod	ABBIED600_Rev2_ENG_SP_Ser-Mod_e	Serial mode for COM1	E	ABBIED600:2014
CTSDITmms	ABBIED600_Rev1_ING_SP_1_e	CTS delay for COM1	E	ABBIED600:2014
RTSDITmms	ABBIED600_Rev1_ING_SP_1_e	RTS delay for COM1	E	ABBIED600:2014
SerBaudRte	ABBIED600_Rev1_ENG_SP_BaudRate_e	Baudrate for COM1	E	ABBIED600:2014
CharRxCnt	ABBIED600_Rev1_INS_e	Number of characters received	E	ABBIED600:2014

FrRxCnt	ABBIED600_Rev1_INS_e	Number of successfully received link frames	E	ABBIED600:2014
RxErrCnt	ABBIED600_Rev1_INS_e	Number of discarded link frames	E	ABBIED600:2014
FrTxCnt	ABBIED600_Rev1_INS_e	Number of transmitted link frames	E	ABBIED600:2014
CDLosCnt	ABBIED600_Rev1_INS_e	CD lost	E	ABBIED600:2014
CollCnt	ABBIED600_Rev1_INS_e	Collision	E	ABBIED600:2014
CTSTmOut	ABBIED600_Rev1_INS_e	CTS timeout	E	ABBIED600:2014
TxTmOutCnt	ABBIED600_Rev1_INS_e	Transmission timeout	E	ABBIED600:2014
PtyErrCnt	ABBIED600_Rev1_INS_e	Number of parity errors	E	ABBIED600:2014
OvRunErr	ABBIED600_Rev1_INS_e	Number of overrun errors	E	ABBIED600:2014
FrErrCnt	ABBIED600_Rev1_INS_e	Framing errors	E	ABBIED600:2014
ChLiv	ABBIED600_Rev1_SPS_simple	Channel Live		
LnkLiv	ABBIED600_Rev1_SPS_simple_e	Link Live	E	ABBIED600:2014
CntRs	ABBIED600_Rev2_SPC_control_e	Reset Counters	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.137 LN: SERLCCH2 Name: LCCH (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Beh	ABBIED600_Rev2_ENS_beh	SERLCCH2 on/off		
FibMod	AB-BIED600_Rev2_ENG_SP_FibMod_e	Fiber mode for COM2	E	ABBIED600:2014
SerMod	ABBIED600_Rev2_ENG_SP_Ser-Mod_e	Serial mode for COM2	E	ABBIED600:2014
CTSDITmmms	ABBIED600_Rev1_ING_SP_1_e	CTS delay for COM2	E	ABBIED600:2014
RTSDITmmms	ABBIED600_Rev1_ING_SP_1_e	RTS delay for COM2	E	ABBIED600:2014
SerBaudRte	ABBIED600_Rev1_ENG_SP_BaudRate_e	Baudrate for COM2	E	ABBIED600:2014
CharRxCnt	ABBIED600_Rev1_INS_e	Number of characters received	E	ABBIED600:2014
FrRxCnt	ABBIED600_Rev1_INS_e	Number of successfully received link frames	E	ABBIED600:2014
RxErrCnt	ABBIED600_Rev1_INS_e	Number of discarded link frames	E	ABBIED600:2014
FrTxCnt	ABBIED600_Rev1_INS_e	Number of transmitted link frames	E	ABBIED600:2014
CDLosCnt	ABBIED600_Rev1_INS_e	CD lost	E	ABBIED600:2014
CollCnt	ABBIED600_Rev1_INS_e	Collision	E	ABBIED600:2014

CTSTmOut	ABBIED600_Rev1_INS_e	CTS timeout	E	ABBIED600:2014
TxTmOutCnt	ABBIED600_Rev1_INS_e	Transmission timeout	E	ABBIED600:2014
PtyErrCnt	ABBIED600_Rev1_INS_e	Number of parity errors	E	ABBIED600:2014
OvRunErr	ABBIED600_Rev1_INS_e	Number of overrun errors	E	ABBIED600:2014
FrErrCnt	ABBIED600_Rev1_INS_e	Framing errors	E	ABBIED600:2014
ChLiv	ABBIED600_Rev1_SPS_simple	Channel Live		
LnkLiv	ABBIED600_Rev1_SPS_simple_e	Link Live	E	ABBIED600:2014
CntRs	ABBIED600_Rev2_SPC_control_e	Reset Counters	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.138 LN: RCHLCCH1 Name: LCCH (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Beh	ABBIED600_Rev2_ENS_beh	Physical Channel behavior		
ChLiv	ABBIED600_Rev1_SPS	Physical channel status of port A		
RedChLiv	ABBIED600_Rev1_SPS	Physical channel status of port B		
LnkLiv	ABBIED600_Rev1_SPS_e	Link status of port A	E	AB-BIED600:2014
RedLnkLiv	ABBIED600_Rev1_SPS_e	Link status of port B	E	AB-BIED600:2014
RedCfg	ABBIED600_Rev1_ENG_SP_ChRed-Kind_e	Redundant mode	E	REx615:2014

6.2.139 LN: SCHLCCH1 Name: LCCH (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Beh	ABBIED600_Rev2_ENS_beh	Physical Channel behavior		
ChLiv	ABBIED600_Rev1_SPS	Physical channel status		
LnkLiv	ABBIED600_Rev1_SPS_e	Link status	E	AB-BIED600:2014
PortMod	ABBIED600_Rev4_ENG_SP_Eth-PortMod_e	Ethernet port mode	E	AB-BIED600:2014

6.2.140 LN: SCHLCCH2 Name: LCCH (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Beh	ABBIED600_Rev2_ENS_beh	Physical Channel behavior		
ChLiv	ABBIED600_Rev1_SPS	Physical channel status		
LnkLiv	ABBIED600_Rev1_SPS_e	Link status	E	AB-BIED600:2014

PortMod	ABBIED600_Rev4_ENG_SP_Eth- PortMod_e	Ethernet port mode	E	AB- BIED600:2014
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6.2.141 LN: SCHLCCH3 Name: LCCH (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Beh	ABBIED600_Rev2_ENS_beh	Physical Channel behavior		
ChLiv	ABBIED600_Rev1_SPS	Physical channel status		
LnkLiv	ABBIED600_Rev1_SPS_e	Link status	E	AB- BIED600:2014
PortMod	ABBIED600_Rev4_ENG_SP_Eth- PortMod_e	Ethernet port mode	E	AB- BIED600:2014

6.2.142 LN: DARREC1 Name: RREC (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_Of- fOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
OpCntRs	ABBIED600_Rev1_INC_simple_int_e	Resetable operation counter (all shots)	E	IEC 61850-7-4:2007,status-only
RecCyc	ABBIED600_Rev1_INS	Actual reclose cycle (number between 1 and UseCyc)		
OpClIs	ABBIED600_Rev1_ACT_threephase	Operate (close command to XCBR)		
AutoRecSt	ABBIED600_Rev3_ENS_AutoRecSt	Auto Reclosing Status		
Rec1Tmms1	ABBIED600_Rev1_ING_SP	First reclose time		
Rec1Tmms2	ABBIED600_Rev1_ING_SP	Second reclose time		
Rec1Tmms3	ABBIED600_Rev1_ING_SP	Third reclose time		
Rec1Tmms4	ABBIED600_Rev1_ING_SP	Fourth reclose time		
Rec1Tmms5	ABBIED600_Rev1_ING_SP	Fifth reclose time		
Rec1Tmms6	ABBIED600_Rev1_ING_SP	Sixth reclose time		
Rec1Tmms7	ABBIED600_Rev1_ING_SP	Seventh reclose time		
Rec3Tmms1	ABBIED600_Rev1_ING_SP	First reclose time		
Rec3Tmms2	ABBIED600_Rev1_ING_SP	Second reclose time		
Rec3Tmms3	ABBIED600_Rev1_ING_SP	Third reclose time		
Rec3Tmms4	ABBIED600_Rev1_ING_SP	Fourth reclose time		
Rec3Tmms5	ABBIED600_Rev1_ING_SP	Fifth reclose time		
Rec3Tmms6	ABBIED600_Rev1_ING_SP	Sixth reclose time		

Rec3Tmms7	ABBIED600_Rev1_ING_SP	Seventh reclose time		
RclTmms	ABBIED600_Rev1_ING_SP	Reclaim time		
OpOpn	AB-BIED600_Rev1_ACT_threephase_e	Operate (open command to XCBR)	E	IEC 61850-7-4:2007
BlkRec	ABBIED600_Rev2_SPC_control_e	Block reclose	E	ABBIED600:2014,status-only,direct-with-normal-security
RecCnt1	ABBIED600_Rev1_INS_e	Operation counter (1st shot)	E	ABBIED600:2014
RecCnt2	ABBIED600_Rev1_INS_e	Operation counter (2nd shot)	E	ABBIED600:2014
RecCnt3	ABBIED600_Rev1_INS_e	Operation counter (3rd shot)	E	ABBIED600:2014
RecCnt4	ABBIED600_Rev1_INS_e	Operation counter (4th shot)	E	ABBIED600:2014
RecCnt5	ABBIED600_Rev1_INS_e	Operation counter (5th shot)	E	ABBIED600:2014
AutoIni	ABBIED600_Rev1_ING_SP_1_e	Auto init	E	ABBIED600:2014
RecOp	ABBIED600_Rev2_ENG_SP_recOp_e	Reclosing operation	E	ABBIED600:2014
ManClsMod	ABBIED600_Rev1_SPG_SP_e	Manual close mode	E	ABBIED600:2014
WtClsTmms	ABBIED600_Rev1_ING_SP_e	Wait close time	E	ABBIED600:2014
MaxWtTmms	ABBIED600_Rev1_ING_SP_e	Max wait time	E	ABBIED600:2014
Max-BlkTmms	ABBIED600_Rev1_ING_SP_e	Max Thm block time	E	ABBIED600:2014
CutOutT-mms	ABBIED600_Rev1_ING_SP_e	Cut-out time	E	ABBIED600:2014
DsrTmms1	ABBIED600_Rev1_ING_SP_e	Dsr time shot 1	E	ABBIED600:2014
DsrTmms2	ABBIED600_Rev1_ING_SP_e	Dsr time shot 2	E	ABBIED600:2014
DsrTmms3	ABBIED600_Rev1_ING_SP_e	Dsr time shot 3	E	ABBIED600:2014
DsrTmms4	ABBIED600_Rev1_ING_SP_e	Dsr time shot 4	E	ABBIED600:2014
TermPrio	ABBIED600_Rev2_ENG_SP_term-Prio_e	Terminal priority	E	ABBIED600:2014
SynSet	ABBIED600_Rev1_ING_SP_1_e	Synchronisation set	E	ABBIED600:2014
AutoWtT-mms	ABBIED600_Rev1_ING_SP_e	Auto wait time	E	ABBIED600:2014
AutoLORs	ABBIED600_Rev1_SPG_SP_e	Auto lockout reset	E	ABBIED600:2014
ProCrdLim	ABBIED600_Rev1_ING_SP_1_e	Protection crd limit	E	ABBIED600:2014
ProCrdMod	ABBIED600_Rev2_ENG_SP_proCrd-Mod_e	Protection crd mode	E	ABBIED600:2014
AutoIniCnd	ABBIED600_Rev2_ENG_SP_autoInicnd_e	Auto initiation cnd	E	ABBIED600:2014
TrLin	ABBIED600_Rev1_ING_SP_1_e	Tripping line	E	ABBIED600:2014
CtlLin	ABBIED600_Rev1_ING_SP_1_e	Control line	E	ABBIED600:2014
EnaShotJmp	ABBIED600_Rev1_SPG_SP_e	Enable shot jump	E	ABBIED600:2014

CBCIsPosSt	ABBIED600_Rev1_SPG_SP_e	CB closed Pos status	E	ABBIED600:2014
Ena4DISOF	ABBIED600_Rev1_SPG_SP_e	Fourth delay in SOTF	E	ABBIED600:2014
IniSigCBB1	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB1	E	ABBIED600:2014
IniSigCBB2	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB2	E	ABBIED600:2014
IniSigCBB3	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB3	E	ABBIED600:2014
IniSigCBB4	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB4	E	ABBIED600:2014
IniSigCBB5	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB5	E	ABBIED600:2014
IniSigCBB6	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB6	E	ABBIED600:2014
IniSigCBB7	ABBIED600_Rev1_ING_SP_1_e	Init signals CBB7	E	ABBIED600:2014
BlkSigCBB1	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB1	E	ABBIED600:2014
BlkSigCBB2	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB2	E	ABBIED600:2014
BlkSigCBB3	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB3	E	ABBIED600:2014
BlkSigCBB4	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB4	E	ABBIED600:2014
BlkSigCBB5	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB5	E	ABBIED600:2014
BlkSigCBB6	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB6	E	ABBIED600:2014
BlkSigCBB7	ABBIED600_Rev1_ING_SP_1_e	Blk signals CBB7	E	ABBIED600:2014
ShotNum1	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB1	E	ABBIED600:2014
ShotNum2	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB2	E	ABBIED600:2014
ShotNum3	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB3	E	ABBIED600:2014
ShotNum4	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB4	E	ABBIED600:2014
ShotNum5	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB5	E	ABBIED600:2014
ShotNum6	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB6	E	ABBIED600:2014
ShotNum7	ABBIED600_Rev1_ING_SP_1_e	Shot number CBB7	E	ABBIED600:2014
Str2Tmms1	ABBIED600_Rev1_ING_SP_e	Str 2 delay shot 1	E	ABBIED600:2014
Str2Tmms2	ABBIED600_Rev1_ING_SP_e	Str 2 delay shot 2	E	ABBIED600:2014
Str2Tmms3	ABBIED600_Rev1_ING_SP_e	Str 2 delay shot 3	E	ABBIED600:2014
Str2Tmms4	ABBIED600_Rev1_ING_SP_e	Str 2 delay shot 4	E	ABBIED600:2014
Str3Tmms1	ABBIED600_Rev1_ING_SP_e	Str 3 delay shot 1	E	ABBIED600:2014
Str3Tmms2	ABBIED600_Rev1_ING_SP_e	Str 3 delay shot 2	E	ABBIED600:2014
Str3Tmms3	ABBIED600_Rev1_ING_SP_e	Str 3 delay shot 3	E	ABBIED600:2014
Str3Tmms4	ABBIED600_Rev1_ING_SP_e	Str 3 delay shot 4	E	ABBIED600:2014
Str4Tmms1	ABBIED600_Rev1_ING_SP_e	Str 4 delay shot 1	E	ABBIED600:2014
Str4Tmms2	ABBIED600_Rev1_ING_SP_e	Str 4 delay shot 2	E	ABBIED600:2014
Str4Tmms3	ABBIED600_Rev1_ING_SP_e	Str 4 delay shot 3	E	ABBIED600:2014
Str4Tmms4	ABBIED600_Rev1_ING_SP_e	Str 4 delay shot 4	E	ABBIED600:2014
FrqCntLim	ABBIED600_Rev1_ING_SP_1_e	Frq Op counter limit	E	ABBIED600:2014
FrqCntTmm	ABBIED600_Rev1_ING_SP_1_e	Frq Op counter time	E	ABBIED600:2014
FrqRcvTmm	ABBIED600_Rev1_ING_SP_1_e	Frq Op recovery time	E	ABBIED600:2014
PlsTmms	ABBIED600_Rev1_ING_SP_e	Close pulse time	E	ABBIED600:2014

MaxTrTmms	ABBIED600_Rev1_ING_SP_e	Max trip time	E	ABBIED600:2014
InInhRec	ABBIED600_Rev1_SPS_e	Inhibit reclose (status)	E	ABBIED600:2014
InBlkThm	ABBIED600_Rev1_SPS_e	Thermal block (status)	E	ABBIED600:2014
LO	ABBIED600_Rev1_SPS_e	Lockout status	E	ABBIED600:2014
RdyRec	ABBIED600_Rev1_SPS_e	Ready reclose status	E	ABBIED600:2014
ActRec	ABBIED600_Rev1_SPS_e	Active reclose status	E	ABBIED600:2014
SucRec	ABBIED600_Rev1_SPS_e	Successful reclose status	E	ABBIED600:2014
UnsRec	ABBIED600_Rev1_SPS_e	Unsuccessful re-close status	E	ABBIED600:2014
PrgRec	ABBIED600_Rev1_SPS_e	In progress status	E	ABBIED600:2014
UnsCBCls	ABBIED600_Rev1_SPS_e	Unsuccessful CB closing status	E	ABBIED600:2014
WtMstr	ABBIED600_Rev1_SPS_e	Master signal to follower	E	ABBIED600:2014
PrgRec1	ABBIED600_Rev1_SPS_e	In progress 1st re-close	E	ABBIED600:2014
PrgRec2	ABBIED600_Rev1_SPS_e	In progress 2nd re-close	E	ABBIED600:2014
PrgRec3	ABBIED600_Rev1_SPS_e	In progress 3rd re-close	E	ABBIED600:2014
PrgRec4	ABBIED600_Rev1_SPS_e	In progress 4th re-close	E	ABBIED600:2014
PrgRec5	ABBIED600_Rev1_SPS_e	In progress 5th re-close	E	ABBIED600:2014
PrgDsr	ABBIED600_Rev1_SPS_e	Discrimination time in progress	E	ABBIED600:2014
PrgCutOut	ABBIED600_Rev1_SPS_e	Cutout time in progress	E	ABBIED600:2014
FrqOpCnt	ABBIED600_Rev1_INS_e	Frequent operation counter	E	ABBIED600:2014
FrqOpAlm	ABBIED600_Rev1_SPS_e	Frequent operation counter alarm	E	ABBIED600:2014
RecRs	ABBIED600_Rev2_SPC_control_e	DARREC1 reset	E	ABBIED600:2014,status-only,direct-with-normal-security
CntRs	ABBIED600_Rev2_SPC_control_e	DARREC1 counters	E	ABBIED600:2014,status-only,direct-with-normal-security
DsaCnt	ABBIED600_Rev2_SPC_control_e	Signal for counter disabling	E	ABBIED600:2014,status-only,direct-with-normal-security
RclTmStr	ABBIED600_Rev1_SPS_e	Reclaim time started	E	ABBIED600:2014

ProCrd	ABBIED600_Rev1_SPS_e	Protection coordination	E	ABBIED600:2014
CBManClS	ABBIED600_Rev1_SPS_e	CB manually closed	E	ABBIED600:2014
AutoRecOn	ABBIED600_Rev1_SPS_e	AR switched On	E	ABBIED600:2014
ShotPntr	ABBIED600_Rev1_INS_e	Shot pointer value	E	ABBIED600:2014
InRecOn	ABBIED600_Rev1_SPS_e	AR on/off control signal status	E	ABBIED600:2014
InBlkRclTm	ABBIED600_Rev1_SPS_e	Block reclaim time	E	ABBIED600:2014
InCBPos	ABBIED600_Rev1_SPS_e	CB position input	E	ABBIED600:2014
InCBRdy	ABBIED600_Rev1_SPS_e	CB ready for re-closing	E	ABBIED600:2014
InSynChk	ABBIED600_Rev1_SPS_e	Synchro check fulfilled	E	ABBIED600:2014
InIncrPntr	ABBIED600_Rev1_SPS_e	Shot pointer increment by one	E	ABBIED600:2014
InIni1	ABBIED600_Rev1_SPS_e	No 1 operate signal	E	ABBIED600:2014
InIni2	ABBIED600_Rev1_SPS_e	No 2 operate signal	E	ABBIED600:2014
InIni3	ABBIED600_Rev1_SPS_e	No 3 operate signal	E	ABBIED600:2014
InIni4	ABBIED600_Rev1_SPS_e	No 4 operate signal	E	ABBIED600:2014
InIni5	ABBIED600_Rev1_SPS_e	No 5 operate signal	E	ABBIED600:2014
InIni6	ABBIED600_Rev1_SPS_e	No 6 operate signal	E	ABBIED600:2014
InDlIni2	ABBIED600_Rev1_SPS_e	No 2 start signal	E	ABBIED600:2014
InDlIni3	ABBIED600_Rev1_SPS_e	No 3 start signal	E	ABBIED600:2014
InDlIni4	ABBIED600_Rev1_SPS_e	No 4 start signal	E	ABBIED600:2014
RclTmEla	ABBIED600_Rev1_SPS_e	Reclaim time elapsed	E	ABBIED600:2014
InBlkRecTm	ABBIED600_Rev1_SPS_e	Blocks and resets dead time	E	ABBIED600:2014
SOF	ABBIED600_Rev1_SPS_e	Switch on the fault	E	ABBIED600:2014
TestCtl	ABBIED600_Rev3_ENC_TestCtl_e	Test control for outputs	E	ABBIED600:2014,status-only,direct-with-normal-security

6.2.143 LN: LLN0 Name: LLN0 (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_INC_Mod_On-TestBlockOff	Control		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Control		
NamPlt	ABBIED600_Rev2_LPL_CTRLDR_LNN0	Control		
Loc	ABBIED600_Rev1_SPS_retain	Local / Remote		
Lockey	ABBIED600_Rev1_SPS_simple	Local operation		
LocSta	ABBIED600_Rev1_SPC_retain	Station operation		status-only,direct-with-normal-security

GrRef	ABBIED600_Rev4_ORG_SP_1	GrRef		
MltLev	ABBIED600_Rev1_SPG_SP	Multiple levels		
CmdBlk	ABBIED600_Rev1_SPC_simple	Commands blocked		status-only
LocKeyHMI	ABBIED600_Rev3_ENS_LockKeyHMI_e	Control HMI	E	REx615:2014
LocKeyOff	ABBIED600_Rev1_SPS_simple_e	Control disable	E	REx615:2014
LocKeyLoc	ABBIED600_Rev1_SPS_simple_e	Control local	E	REx615:2014
LocKeyRem	ABBIED600_Rev1_SPS_simple_e	Control remote	E	REx615:2014
LocKeySta	ABBIED600_Rev1_SPS_simple_e	Control station	E	REx615:2014
LocKeyAll	ABBIED600_Rev1_SPS_simple_e	Control all	E	REx615:2014
LocRemMod	AB-BIED600_Rev1_ENG_SP_LocRemMod_e	Control mode	E	REx615:2014
StaLevSet	ABBIED600_Rev1_ENG_SP_StaLevSet_e	Station authority	E	REx615:2014

6.2.144 LN: CBCSWI1 Name: CSWI (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev2_ENC_Mod_OffsetOn_FD	Mode		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Loc	ABBIED600_Rev1_SPS	Local operation		
OpCntRs	ABBIED600_Rev2_INC_control_int	Operation counter		status-only,direct-with-normal-security
Pos	ABBIED600_Rev8_DPC_control	Switch, general		status-only,direct-with-normal-security,sbo-with-enhanced-security
OpOpn	ABBIED600_Rev1_ACT_simple	Switch, general		
OpCIs	ABBIED600_Rev1_ACT_simple	Switch, general		
SelOpn	ABBIED600_Rev1_SPS	Selection open switch		
SelCIs	ABBIED600_Rev1_SPS	Selection close switch		
PosDIT-mms	ABBIED600_Rev1_ING_SP_1_e	Event delay	E	ABBIED600:2014
PosOpn	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit opn	E	ABBIED600:2014
PosCIs	ABBIED600_Rev1_SPS_simple_e	Pos 1-bit cls	E	ABBIED600:2014
PosOk	ABBIED600_Rev1_SPS_simple_e	Position OK	E	ABBIED600:2014
AdpPls	ABBIED600_Rev1_SPG_SP_e	Adaptive pulse	E	ABBIED600:2014
OpnEna	ABBIED600_Rev1_SPS_e	OPEN_ENAD	E	ABBIED600:2014
ClsEna	ABBIED600_Rev1_SPS_e	CLOSE_ENAD	E	ABBIED600:2014
InSynOk	ABBIED600_Rev1_SPS_e	SYNC OK	E	ABBIED600:2014
SynItlByps	ABBIED600_Rev1_SPS_e	SYNC_ITL_BYP	E	ABBIED600:2014

6.2.145 LN: CBXCBR1 Name: XCBR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
Loc	ABBIED600_Rev1_SPS_simple	Local operation		
EEName	ABBIED600_Rev4_DPL_EEName	External equipment name plate		
OpCnt	ABBIED600_Rev1_INS	Operation counter		
Pos	ABBIED600_Rev4_DPC_simple	Switch position		status-only
BlkOpn	ABBIED600_Rev1_SPC_simple	Block opening		status-only
BlkCls	ABBIED600_Rev1_SPC_simple	Block closing		status-only
CBOpCap	ABBIED600_Rev2_ENS_CBOpCap	Circuit breaker operating capability		

6.2.146 LN: RDRE1 Name: RDRE (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On	Mode		status-only
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
RcdTrg	ABBIED600_Rev2_SPC_control	Trig recording		status-only,direct-with-normal-security
MemClr	ABBIED600_Rev2_SPC_control	Disturbance records		status-only,direct-with-normal-security
RcdMade	ABBIED600_Rev1_SPS_simple	Recording made		
FltNum	ABBIED600_Rev1_INS	Number of recordings		
RcdStr	ABBIED600_Rev1_SPS_simple	Recording started		
MemUsed	ABBIED600_Rev1_INS	Rec. memory used		
PerTrgTms	ABBIED600_Rev1_ING_SP_time	Periodic trig time		
ExclTmms	ABBIED600_Rev1_ING_SP_time	Exclusion time		
RcdMod	ABBIED600_Rev1_ENG_SP_RcdMod	Operation mode		
RcdDltInd	ABBIED600_Rev1_SPS_simple_e	Recording deleted	E	ABBIED600:2014
RmnRcdCap	ABBIED600_Rev1_INS_e	Rem. amount of rec.	E	ABBIED600:2014
MemFullSt	ABBIED600_Rev1_SPS_simple_e	Memory full	E	ABBIED600:2014
OvWrRcdInd	ABBIED600_Rev1_SPS_simple_e	Overwrite of rec.	E	ABBIED600:2014
PreTrgLen	ABBIED600_Rev1_ING_SP_1_e	Pre-trg length	E	ABBIED600:2014
RcdLen	ABBIED600_Rev1_ING_SP_1_e	Record length	E	ABBIED600:2014
StoRteSel	ABBIED600_Rev2_ING_SP_ES-toRte_e	Storage rate	E	ABBIED600:2014
StoModPer	ABBIED600_Rev2_ENG_SP_ESto-Mod_e	Stor. mode periodic	E	ABBIED600:2014
StoModMan	ABBIED600_Rev2_ENG_SP_ESto-Mod_e	Stor. mode manual	E	ABBIED600:2014

PerTmRmn	ABBIED600_Rev1_INS_e	Time to trigger	E	ABBIED600:2014
PerTrgInd	ABBIED600_Rev1_SPS_simple_e	Periodic triggering	E	ABBIED600:2014
ManTrgInd	ABBIED600_Rev1_SPS_simple_e	Manual triggering	E	ABBIED600:2014

6.2.147 LN: RBDR1 Name: RBDR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On-Off_NoBlk	Operation		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
ChTrg	ABBIED600_Rev1_SPS_simple	Channel triggered		
LevMod	ABBIED600_Rev2_ENG_SP_LevMod	Level trigger mode		
StoMod	ABBIED600_Rev2_ENG_SP_ESto-Mod_e	Storage mode	E	ABBIED600:2014
ExclTmRmn	ABBIED600_Rev1_INS_e	Exclusion time rem.	E	ABBIED600:2014
BinInSt	ABBIED600_Rev1_SPS_e	input	E	ABBIED600:2014

6.2.148 LN: RADR1 Name: RADR (ED2)

Attribute name	Attribute type	Explanation	M/O/E	Remarks
Mod	ABBIED600_Rev1_ENC_Mod_On-Off_NoBlk	Operation		status-only,direct-with-normal-security
Beh	ABBIED600_Rev2_ENS_beh	Behaviour		
ChTrg	ABBIED600_Rev1_SPS_simple	Channel triggered		
HiTrgLev	ABBIED600_Rev3_ASG_SP_i	High trigger level		
LoTrgLev	ABBIED600_Rev3_ASG_SP_i	Low trigger level		
ChSigSel	ABBIED600_Rev5_ENG_SP_RadrCh-Num_e	input	E	ABBIED600:2014
StoMod	ABBIED600_Rev2_ENG_SP_ESto-Mod_e	Storage mode	E	ABBIED600:2014
ExclTmRmn	ABBIED600_Rev1_INS_e	Exclusion time rem.	E	ABBIED600:2014

7 Common Data Class Extensions

7.1 New common data classes

None

7.2 Extended data classes ED1

8 Enum type extensions

8.1 New Enum types

8.1.1 ABBIED600_Rev1_CtlModelKind_StatusDirect

Value	Description	Remarks
0	status-only	
1	direct-with-normal-security	

8.1.2 ABBIED600_Rev1_OpModSG

Value	Description	Remarks
0	Operator	SG operation mode, Operation mode for setting group change
1	Logic mode 1	SG operation mode, Operation mode for setting group change
2	Logic mode 2	SG operation mode, Operation mode for setting group change

8.1.3 ABBIED600_Rev1_CpySG

Value	Description	Remarks
1	Cancel	Copy group 1, Copy setting group 1 values into selected group
2	Copy 1 into 2	Copy group 1, Copy setting group 1 values into selected group
3	Copy 1 into 3	Copy group 1, Copy setting group 1 values into selected group
4	Copy 1 into 4	Copy group 1, Copy setting group 1 values into selected group
5	Copy 1 into 5	Copy group 1, Copy setting group 1 values into selected group
6	Copy 1 into 6	Copy group 1, Copy setting group 1 values into selected group
99	Copy 1 into all	Copy group 1, Copy setting group 1 values into selected group

8.1.4 ABBIED600_Rev1_CtlModelKind_Status

Value	Description	Remarks
0	status-only	

8.1.5 ABBIED600_Rev1_BlkMod

Value	Description	Remarks
0	Use Global	Blocking mode, Behaviour for function BLOCK inputs
1	Freeze timer	Blocking mode, Behaviour for function BLOCK inputs
2	Block all	Blocking mode, Behaviour for function BLOCK inputs
3	Block OPERATE output	Blocking mode, Behaviour for function BLOCK inputs

8.1.6 ABBIED600_Rev1_HzSet

Value	Description	Remarks
1	50Hz	Rated frequency, Rated frequency of the network
2	60Hz	Rated frequency, Rated frequency of the network

8.1.7 ABBIED600_Rev1_PhRotSet

Value	Description	Remarks
1	ABC	Phase rotation,Phase rotation order
2	ACB	Phase rotation,Phase rotation order

8.1.8 ABBIED600_Rev1_PhOrdSet

Value	Description	Remarks
1	ABC	Phase order mode,Selection for phase connection order
2	BCA	Phase order mode,Selection for phase connection order
3	CAB	Phase order mode,Selection for phase connection order
4	ACB	Phase order mode,Selection for phase connection order
5	CBA	Phase order mode,Selection for phase connection order
6	BAC	Phase order mode,Selection for phase connection order

8.1.9 ABBIED600_Rev1_DmdAvMod

Value	Description	Remarks
1	Linear	A demand Av mode,Current demand calculation method
2	Logarithmic	A demand Av mode,Current demand calculation method

8.1.10 ABBIED600_Rev1_dmdltrv

Value	Description	Remarks
0	1 minute	Demand interval,Interval for demand calculation
1	5 minutes	Demand interval,Interval for demand calculation
2	10 minutes	Demand interval,Interval for demand calculation
3	15 minutes	Demand interval,Interval for demand calculation
4	30 minutes	Demand interval,Interval for demand calculation
5	60 minutes	Demand interval,Interval for demand calculation
6	180 minutes	Demand interval,Interval for demand calculation

8.1.11 ABBIED600_Rev1_ModRemCtl

Value	Description	Remarks
1	Off	Remote test mode,Authority for remote activation of test mode
2	Maintenance	Remote test mode,Authority for remote activation of test mode
3	All levels	Remote test mode,Authority for remote activation of test mode

8.1.12 ABBIED600_Rev4_Languages

Value	Description	Remarks
1	English (us,iec)	Language selection,Language selection
2	English (us,ansi)	Language selection,Language selection
3	Chinese (cn,iec)	Language selection,Language selection
4	German (de,iec)	Language selection,Language selection
5	Swedish (se,iec)	Language selection,Language selection
6	Spanish (es,iec)	Language selection,Language selection

7	Russian (ru,iec)	Language selection,Language selection
8	Polish (pl,iec)	Language selection,Language selection
9	Portuguese (br,iec)	Language selection,Language selection
10	Portuguese (pt,iec)	Language selection,Language selection
11	Italian (it,iec)	Language selection,Language selection
12	Finnish (fi,iec)	Language selection,Language selection
13	French (fr,iec)	Language selection,Language selection
14	Norwegian (no,iec)	Language selection,Language selection
15	Czech (cz,iec)	Language selection,Language selection
16	Arabic (sa,iec)	Language selection,Language selection
17	Farsi (ir,iec)	Language selection,Language selection
18	Korean (kr,iec)	Language selection,Language selection
19	Flam (nl,iec)	Language selection,Language selection
20	Danish (dk, iec)	Language selection,Language selection
21	Spanish (mx,ansi)	Language selection,Language selection
22	Portuguese (br,ansi)	Language selection,Language selection
23	Turkish (tr,iec)	Language selection,Language selection
24	Croatian (hr,iec)	Language selection,Language selection
25	Ukrainian (ua,iec)	Language selection,Language selection
26	Hungarian (hu,iec)	Language selection,Language selection
27	Language 1	Language selection,Language selection
28	Language 2	Language selection,Language selection
29	Language 3	Language selection,Language selection
30	Language 4	Language selection,Language selection
31	Language 5	Language selection,Language selection
32	Language 6	Language selection,Language selection
33	Language 7	Language selection,Language selection
34	Language 8	Language selection,Language selection
35	Language 9	Language selection,Language selection
36	Language 10	Language selection,Language selection

8.1.13 ABBIED600_Rev4_LanguageFiles

Value	Description	Remarks
1	en-US-IEC	Language files,Name of the language files
2	en-US-ANSI	Language files,Name of the language files
3	zh-CN-IEC	Language files,Name of the language files
4	de-DE-IEC	Language files,Name of the language files
5	sv-SE-IEC	Language files,Name of the language files
6	es-ES-IEC	Language files,Name of the language files
7	ru-RU-IEC	Language files,Name of the language files
8	pl-PL-IEC	Language files,Name of the language files
9	pt-BR-IEC	Language files,Name of the language files
10	pt-PT-IEC	Language files,Name of the language files

11	it-IT-IEC	Language files,Name of the language files
12	fi-FI-IEC	Language files,Name of the language files
13	fr-FR-IEC	Language files,Name of the language files
14	nb-NO-IEC	Language files,Name of the language files
15	cs-CZ-IEC	Language files,Name of the language files
16	ar-SA-IEC	Language files,Name of the language files
17	fa-IR-IEC	Language files,Name of the language files
18	ko-KR-IEC	Language files,Name of the language files
19	nl-NL-IEC	Language files,Name of the language files
20	da-DK-IEC	Language files,Name of the language files
21	es-MX-ANSI	Language files,Name of the language files
22	pt-BR-ANSI	Language files,Name of the language files
23	tr-TR-IEC	Language files,Name of the language files
24	hr-HR-IEC	Language files,Name of the language files
25	uk-UA-IEC	Language files,Name of the language files
26	hu-HU-IEC	Language files,Name of the language files
27	language1	Language files,Name of the language files
28	language2	Language files,Name of the language files
29	language3	Language files,Name of the language files
30	language4	Language files,Name of the language files
31	language5	Language files,Name of the language files
32	language6	Language files,Name of the language files
33	language7	Language files,Name of the language files
34	language8	Language files,Name of the language files
35	language9	Language files,Name of the language files
36	language10	Language files,Name of the language files

8.1.14 ABBIED600_Rev1_FormatTime

Value	Description	Remarks
1	24H:MM:SS:MS	Time format,Time format
2	12H:MM:SS:MS	Time format,Time format

8.1.15 ABBIED600_Rev1_FormatDate

Value	Description	Remarks
1	DD.MM.YYYY	Date format,Date format
2	DD/MM/YYYY	Date format,Date format
3	DD-MM-YYYY	Date format,Date format
4	MM.DD.YYYY	Date format,Date format
5	MM/DD/YYYY	Date format,Date format
6	YYYY-MM-DD	Date format,Date format
7	YYYY-DD-MM	Date format,Date format
8	YYYY/DD/MM	Date format,Date format

8.1.16 ABBIED600_Rev1_NamingConvention

Value	Description	Remarks
1	IEC61850	FB naming convention,FB naming convention used in IED
2	IEC60617	FB naming convention,FB naming convention used in IED
3	IEC-ANSI	FB naming convention,FB naming convention used in IED
4	ANSI-ANSI	FB naming convention,FB naming convention used in IED
5	CHINESE	FB naming convention,FB naming convention used in IED

8.1.17 ABBIED600_Rev3_DefaultView

Value	Description	Remarks
1	Measurements	Default view,LHMI default view
2	Main menu	Default view,LHMI default view
3	SLD	Default view,LHMI default view

8.1.18 ABBIED600_Rev1_WhmiMod

Value	Description	Remarks
1	Active read only	Web HMI mode,Web HMI functionality
2	Active	Web HMI mode,Web HMI functionality
3	Disabled	Web HMI mode,Web HMI functionality

8.1.19 ABBIED600_Rev1_SLDSymbolFormat

Value	Description	Remarks
1	IEC	SLD symbol format,Single Line Diagram symbol format
2	ANSI	SLD symbol format,Single Line Diagram symbol format

8.1.20 ABBIED600_Rev1_InUseMod

Value	Description	Remarks
1	In use	Close delay mode,Selection for using delayed LHMI close
2	Not in use	Close delay mode,Selection for using delayed LHMI close

8.1.21 ABBIED600_Rev1_SetVsb

Value	Description	Remarks
1	Basic	Setting visibility,Setting visibility for HMI
2	Advanced	Setting visibility,Setting visibility for HMI

8.1.22 ABBIED600_Rev8_AuthAcs

Value	Description	Remarks
0	No activity	Viewer access,Viewer authority actions
1	Configuration change	Viewer access,Viewer authority actions
2	Firmware change	Viewer access,Viewer authority actions
3	Firmware change fail	Viewer access,Viewer authority actions
4	Attached to retrofit test case	Viewer access,Viewer authority actions
5	Removed from retrofit test case	Viewer access,Viewer authority actions
10	Setting group remote	Viewer access,Viewer authority actions

11	Setting group local	Viewer access,Viewer authority actions
20	Control remote	Viewer access,Viewer authority actions
21	Control local	Viewer access,Viewer authority actions
22	Test on	Viewer access,Viewer authority actions
23	Test off	Viewer access,Viewer authority actions
24	Reset trips	Viewer access,Viewer authority actions
30	Setting commit	Viewer access,Viewer authority actions
33	Time change	Viewer access,Viewer authority actions
40	Audit log access	Viewer access,Viewer authority actions
41	Login	Viewer access,Viewer authority actions
42	Logout	Viewer access,Viewer authority actions
43	Logout timed	Viewer access,Viewer authority actions
50	Password change	Viewer access,Viewer authority actions
51	Password/id creation	Viewer access,Viewer authority actions
52	Password/id deletion	Viewer access,Viewer authority actions
60	Firmware reset	Viewer access,Viewer authority actions
61	Audit overflow	Viewer access,Viewer authority actions
70	Violation remote	Viewer access,Viewer authority actions
71	Violation local	Viewer access,Viewer authority actions

8.1.23 ABBIED600_Rev1_AuthAcsLev

Value	Description	Remarks
1	None	Authority logging,Authority logging level
2	Configuration change	Authority logging,Authority logging level
3	Setting group	Authority logging,Authority logging level
4	Setting group, control	Authority logging,Authority logging level
5	Settings edit	Authority logging,Authority logging level
6	All	Authority logging,Authority logging level

8.1.24 ABBIED600_Rev1_AlmLedSt

Value	Description	Remarks
0	None	Programmable LED 1,Status of programmable LED 1
1	Ok	Programmable LED 1,Status of programmable LED 1
2	Warning	Programmable LED 1,Status of programmable LED 1
3	Alarm	Programmable LED 1,Status of programmable LED 1

8.1.25 ABBIED600_Rev2_LedMode

Value	Description	Remarks
0	Follow-S	Alarm mode,Alarm mode for programmable LED 1
1	Follow-F	Alarm mode,Alarm mode for programmable LED 1
2	Latched-S	Alarm mode,Alarm mode for programmable LED 1
3	LatchedAck-F-S	Alarm mode,Alarm mode for programmable LED 1

8.1.26 ABBIED600_Rev2_LedColor

Value	Description	Remarks
1	Green	Alarm colour,Colour for the alarm state of the LED
2	Red	Alarm colour,Colour for the alarm state of the LED
3	Yellow	Alarm colour,Colour for the alarm state of the LED

8.1.27 ABBIED600_Rev5_SyncSrc

Value	Description	Remarks
0	None	Synch source,Time synchronization source
1	SNTP	Synch source,Time synchronization source
2	Modbus	Synch source,Time synchronization source
3	IEEE 1588	Synch source,Time synchronization source
5	IRIG-B	Synch source,Time synchronization source
8	Line differential	Synch source,Time synchronization source
9	DNP	Synch source,Time synchronization source
16	IEC60870-5-101	Synch source,Time synchronization source
17	IEC60870-5-103	Synch source,Time synchronization source
18	IEC60870-5-104	Synch source,Time synchronization source

8.1.28 ABBIED600_Rev3_TmSrc

Value	Description	Remarks
0	Not defined	Synch source,Current time source
1	SNTP primary	Synch source,Current time source
2	SNTP secondary	Synch source,Current time source
3	SNTP tertiary or further	Synch source,Current time source
4	IEEE 1588 master	Synch source,Current time source
5	IEEE 1588 slave	Synch source,Current time source
6	IEEE 1588 further	Synch source,Current time source
7	IRIG-B	Synch source,Current time source
8	DNP 3.0	Synch source,Current time source
9	Modbus	Synch source,Current time source
10	SPA	Synch source,Current time source
11	LON VATS	Synch source,Current time source
12	LON other	Synch source,Current time source
13	PPS	Synch source,Current time source
14	Minute pulse	Synch source,Current time source
15	local GPS	Synch source,Current time source
16	IEC60870-5-101	Synch source,Current time source
17	IEC60870-5-103	Synch source,Current time source
18	IEC60870-5-104	Synch source,Current time source
19	EXT	Synch source,Current time source
20	LHMI	Synch source,Current time source
21	Line differential	Synch source,Current time source

99	Free running, locally generated	Synch source, Current time source
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8.1.29 ABBIED600_Rev1_PTPTmSrc

Value	Description	Remarks
1	Atomic clock	Grandmaster time Src, GrandMaster timeSource enum according to PTPv2
2	GPS	Grandmaster time Src, GrandMaster timeSource enum according to PTPv2
3	Terrestrial radio	Grandmaster time Src, GrandMaster timeSource enum according to PTPv2
4	PTP	Grandmaster time Src, GrandMaster timeSource enum according to PTPv2
5	NTP	Grandmaster time Src, GrandMaster timeSource enum according to PTPv2
6	Hand set	Grandmaster time Src, GrandMaster timeSource enum according to PTPv2
7	Other	Grandmaster time Src, GrandMaster timeSource enum according to PTPv2
8	Internal oscil.	Grandmaster time Src, GrandMaster timeSource enum according to PTPv2

8.1.30 ABBIED600_Rev1_PTPClkAcc

Value	Description	Remarks
1	25 ns	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
2	100 ns	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
3	250 ns	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
4	1 us	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
5	2.5 us	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
6	10 us	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
7	25 us	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
8	100 us	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
9	250 us	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
10	1 ms	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
11	2.5 ms	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
12	10 ms	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
13	25 ms	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
14	100 ms	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
15	250 ms	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
16	1 s	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
17	10 s	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2
18	more than 10 s	Grandmaster accuracy, Grandmaster clockAccuracy enum according to PTPv2

8.1.31 ABBIED600_Rev1_PTPAnnMod

Value	Description	Remarks
1	Basic IEEE1588	PTP announce mode, PTP announce frame mode
2	Power Profile	PTP announce mode, PTP announce frame mode

8.1.32 ABBIED600_Rev2_MeasMod

Value	Description	Remarks
1	RMS	Measurement mode, Selects used measurement mode
2	DFT	Measurement mode, Selects used measurement mode

3	Peak-to-Peak	Measurement mode,Selects used measurement mode
4	P-to-P + backup	Measurement mode,Selects used measurement mode
5	Wide P-to-P	Measurement mode,Selects used measurement mode

8.1.33 ABBIED600_Rev2_StrPhSel

Value	Description	Remarks
1	1 out of 3	Num of phases,Number of phases required by limit supervision
2	2 out of 3	Num of phases,Number of phases required by limit supervision
3	3 out of 3	Num of phases,Number of phases required by limit supervision
4	Exactly 1 of 3	Num of phases,Number of phases required by limit supervision
5	Exactly 2 of 3	Num of phases,Number of phases required by limit supervision
6	Exactly 3 of 3	Num of phases,Number of phases required by limit supervision

8.1.34 ABBIED600_Rev1_buTripMode

Value	Description	Remarks
1	2 out of 4	CB failure trip mode,Backup trip current check mode
2	1 out of 3	CB failure trip mode,Backup trip current check mode
3	1 out of 4	CB failure trip mode,Backup trip current check mode

8.1.35 ABBIED600_Rev1_StrLtcMod

Value	Description	Remarks
1	Rising edge	Start latching mode,Start reset delayed or immediately
2	Level sensitive	Start latching mode,Start reset delayed or immediately

8.1.36 ABBIED600_Rev1_TrOutMod

Value	Description	Remarks
1	Non-latched	Trip output mode,Select the operation mode for trip output
2	Latched	Trip output mode,Select the operation mode for trip output
3	Lockout	Trip output mode,Select the operation mode for trip output

8.1.37 ABBIED600_Rev1_OutConn

Value	Description	Remarks
0	Not connected	OUT_1 connection,Connect OUT_1 signal
1	IN_1	OUT_1 connection,Connect OUT_1 signal
2	IN_2	OUT_1 connection,Connect OUT_1 signal
3	IN_3	OUT_1 connection,Connect OUT_1 signal
4	IN_4	OUT_1 connection,Connect OUT_1 signal
5	IN_5	OUT_1 connection,Connect OUT_1 signal
6	IN_6	OUT_1 connection,Connect OUT_1 signal
7	IN_7	OUT_1 connection,Connect OUT_1 signal
8	IN_8	OUT_1 connection,Connect OUT_1 signal
9	IN_9	OUT_1 connection,Connect OUT_1 signal
10	IN_10	OUT_1 connection,Connect OUT_1 signal

11	IN_11	OUT_1 connection,Connect OUT_1 signal
12	IN_12	OUT_1 connection,Connect OUT_1 signal
13	IN_13	OUT_1 connection,Connect OUT_1 signal
14	IN_14	OUT_1 connection,Connect OUT_1 signal
15	IN_15	OUT_1 connection,Connect OUT_1 signal
16	IN_16	OUT_1 connection,Connect OUT_1 signal
17	IN_17	OUT_1 connection,Connect OUT_1 signal
18	IN_18	OUT_1 connection,Connect OUT_1 signal
19	IN_19	OUT_1 connection,Connect OUT_1 signal
20	IN_20	OUT_1 connection,Connect OUT_1 signal

8.1.38 ABBIED600_Rev1_OpModStUp

Value	Description	Remarks
1	Ilt	Operation mode,Motor start-up operation mode
2	Ilt, CB	Operation mode,Motor start-up operation mode
3	Ilt + stall	Operation mode,Motor start-up operation mode
4	Ilt + stall, CB	Operation mode,Motor start-up operation mode

8.1.39 ABBIED600_Rev2_TestProKind

Value	Description	Remarks
0	Reset	STTPMSU1,Test control for outputs
1	Activate START	STTPMSU1,Test control for outputs
2	Deactive START	STTPMSU1,Test control for outputs
3	Activate ST_A	STTPMSU1,Test control for outputs
4	Deactive ST_A	STTPMSU1,Test control for outputs
5	Activate ST_B	STTPMSU1,Test control for outputs
6	Deactive ST_B	STTPMSU1,Test control for outputs
7	Activate ST_C	STTPMSU1,Test control for outputs
8	Deactive ST_C	STTPMSU1,Test control for outputs
9	Activate OPERATE	STTPMSU1,Test control for outputs
10	Deactive OPERATE	STTPMSU1,Test control for outputs
11	Activate OPR_A	STTPMSU1,Test control for outputs
12	Deactive OPR_A	STTPMSU1,Test control for outputs
13	Activate OPR_B	STTPMSU1,Test control for outputs
14	Deactive OPR_B	STTPMSU1,Test control for outputs
15	Activate OPR_C	STTPMSU1,Test control for outputs
16	Deactive OPR_C	STTPMSU1,Test control for outputs
17	Activate ALARM	STTPMSU1,Test control for outputs
18	Deactive ALARM	STTPMSU1,Test control for outputs
19	Activate WARNING	STTPMSU1,Test control for outputs
20	Deactive WARNING	STTPMSU1,Test control for outputs
21	Activate BLK_CLOSE	STTPMSU1,Test control for outputs
22	Deactive BLK_CLOSE	STTPMSU1,Test control for outputs

23	Activate BLK_EF	STTPMSU1,Test control for outputs
24	Deactive BLK_EF	STTPMSU1,Test control for outputs
25	Activate ARC_FLT_DET	STTPMSU1,Test control for outputs
26	Deactive ARC_FLT_DET	STTPMSU1,Test control for outputs
27	Activate STR_LS_LOC	STTPMSU1,Test control for outputs
28	Deactive STR_LS_LOC	STTPMSU1,Test control for outputs
29	Activate STR_LS_Rem	STTPMSU1,Test control for outputs
30	Deactive STR_LS_Rem	STTPMSU1,Test control for outputs
31	Activate OPR_LS_LOC	STTPMSU1,Test control for outputs
32	Deactive OPR_LS_LOC	STTPMSU1,Test control for outputs
33	Activate OPR_LS_Rem	STTPMSU1,Test control for outputs
34	Deactive OPR_LS_Rem	STTPMSU1,Test control for outputs
35	Activate OPR_HS_LOC	STTPMSU1,Test control for outputs
36	Deactive OPR_HS_LOC	STTPMSU1,Test control for outputs
37	Activate OPR_HS_Rem	STTPMSU1,Test control for outputs
38	Deactive OPR_HS_Rem	STTPMSU1,Test control for outputs
39	Activate RSTD2H_LOC	STTPMSU1,Test control for outputs
40	Deactive RSTD2H_LOC	STTPMSU1,Test control for outputs
41	Activate RSTD2H_Rem	STTPMSU1,Test control for outputs
42	Deactive RSTD2H_Rem	STTPMSU1,Test control for outputs
43	Activate PROT_ACTIVE	STTPMSU1,Test control for outputs
44	Deactive PROT_ACTIVE	STTPMSU1,Test control for outputs
45	Activate RESTORE	STTPMSU1,Test control for outputs
46	Deactive RESTORE	STTPMSU1,Test control for outputs
47	Activate RELEASE	STTPMSU1,Test control for outputs
48	Deactive RELEASE	STTPMSU1,Test control for outputs
49	Activate OPR_IIT	STTPMSU1,Test control for outputs
50	Deactive OPR_IIT	STTPMSU1,Test control for outputs
51	Activate OPR_STALL	STTPMSU1,Test control for outputs
52	Deactive OPR_STALL	STTPMSU1,Test control for outputs
53	Activate MOT_START	STTPMSU1,Test control for outputs
54	Deactive MOT_START	STTPMSU1,Test control for outputs
55	Activate LOCK_START	STTPMSU1,Test control for outputs
56	Deactive LOCK_START	STTPMSU1,Test control for outputs
57	Activate BLK_RESTART	STTPMSU1,Test control for outputs
58	Deactive BLK_RESTART	STTPMSU1,Test control for outputs
59	Activate OPR_LS	STTPMSU1,Test control for outputs
60	Deactive OPR_LS	STTPMSU1,Test control for outputs
61	Activate OPR_HS	STTPMSU1,Test control for outputs
62	Deactive OPR_HS	STTPMSU1,Test control for outputs
63	Activate BLKD2H	STTPMSU1,Test control for outputs
64	Deactive BLKD2H	STTPMSU1,Test control for outputs

65	Activate BLKD5H	STTPMSU1,Test control for outputs
66	Deactive BLKD5H	STTPMSU1,Test control for outputs
67	Activate BLKDWAV	STTPMSU1,Test control for outputs
68	Deactive BLKDWAV	STTPMSU1,Test control for outputs
69	Activate OPR_UFRQ	STTPMSU1,Test control for outputs
70	Deactive OPR_UFRQ	STTPMSU1,Test control for outputs
71	Activate OPR_OFRQ	STTPMSU1,Test control for outputs
72	Deactive OPR_OFRQ	STTPMSU1,Test control for outputs
73	Activate OPR_FRG	STTPMSU1,Test control for outputs
74	Deactive OPR_FRG	STTPMSU1,Test control for outputs
75	Activate ST_UFRQ	STTPMSU1,Test control for outputs
76	Deactive ST_UFRQ	STTPMSU1,Test control for outputs
77	Activate ST_OFRQ	STTPMSU1,Test control for outputs
78	Deactive ST_OFRQ	STTPMSU1,Test control for outputs
79	Activate ST_FRG	STTPMSU1,Test control for outputs
80	Deactive ST_FRG	STTPMSU1,Test control for outputs
81	Activate ST_REST	STTPMSU1,Test control for outputs
82	Deactive ST_REST	STTPMSU1,Test control for outputs
83	Activate INT_BLKD	STTPMSU1,Test control for outputs
84	Deactive INT_BLKD	STTPMSU1,Test control for outputs
85	Activate COOL_ACTIVE	STTPMSU1,Test control for outputs
86	Deactive COOL_ACTIVE	STTPMSU1,Test control for outputs
87	Activate OPERATE_Z1	STTPMSU1,Test control for outputs
88	Deactive OPERATE_Z1	STTPMSU1,Test control for outputs
89	Activate OPERATE_Z2	STTPMSU1,Test control for outputs
90	Deactive OPERATE_Z2	STTPMSU1,Test control for outputs
91	Activate OPERATE_Z3	STTPMSU1,Test control for outputs
92	Deactive OPERATE_Z3	STTPMSU1,Test control for outputs
93	Activate OPERATE_Z4	STTPMSU1,Test control for outputs
94	Deactive OPERATE_Z4	STTPMSU1,Test control for outputs
95	Activate OPERATE_Z5	STTPMSU1,Test control for outputs
96	Deactive OPERATE_Z5	STTPMSU1,Test control for outputs
97	Activate START_Z1	STTPMSU1,Test control for outputs
98	Deactive START_Z1	STTPMSU1,Test control for outputs
99	Activate START_Z2	STTPMSU1,Test control for outputs
100	Deactive START_Z2	STTPMSU1,Test control for outputs
101	Activate START_Z3	STTPMSU1,Test control for outputs
102	Deactive START_Z3	STTPMSU1,Test control for outputs
103	Activate START_Z4	STTPMSU1,Test control for outputs
104	Deactive START_Z4	STTPMSU1,Test control for outputs
105	Activate START_Z5	STTPMSU1,Test control for outputs
106	Deactive START_Z5	STTPMSU1,Test control for outputs

107	Activate LODDSR_GFC	STTPMSU1,Test control for outputs
108	Deactive LODDSR_GFC	STTPMSU1,Test control for outputs
109	Activate START_GFC	STTPMSU1,Test control for outputs
110	Deactive START_GFC	STTPMSU1,Test control for outputs
111	Activate ST_ALARM	STTPMSU1,Test control for outputs
112	Deactive ST_ALARM	STTPMSU1,Test control for outputs
113	Activate OPR_OVLOD	STTPMSU1,Test control for outputs
114	Deactive OPR_OVLOD	STTPMSU1,Test control for outputs
115	Activate ST_OVLOD	STTPMSU1,Test control for outputs
116	Deactive ST_OVLOD	STTPMSU1,Test control for outputs
117	Activate OPR_UN_I	STTPMSU1,Test control for outputs
118	Deactive OPR_UN_I	STTPMSU1,Test control for outputs
119	Activate ST_UN_I	STTPMSU1,Test control for outputs
120	Deactive ST_UN_I	STTPMSU1,Test control for outputs
121	Activate INTR_EF	STTPMSU1,Test control for outputs
122	Deactive INTR_EF	STTPMSU1,Test control for outputs
123	Activate PEAK_IND	STTPMSU1,Test control for outputs
124	Deactive PEAK_IND	STTPMSU1,Test control for outputs

8.1.40 ABBIED600_Rev1_EnvTmpMod

Value	Description	Remarks
1	FLC Only	Env temperature mode,Mode of measuring ambient temperature
2	Use input	Env temperature mode,Mode of measuring ambient temperature
3	Set Amb Temp	Env temperature mode,Mode of measuring ambient temperature

8.1.41 ABBIED600_Rev1_AResSigSel

Value	Description	Remarks
1	Measured Io	Io signal Sel,Selection for used Io signal
2	Calculated Io	Io signal Sel,Selection for used Io signal

8.1.42 ABBIED600_Rev2_VSel

Value	Description	Remarks
1	phase-to-earth	Voltage selection,Parameter to select phase or phase-to-phase voltages
2	phase-to-phase	Voltage selection,Parameter to select phase or phase-to-phase voltages
3	pos sequence	Voltage selection,Parameter to select phase or phase-to-phase voltages

8.1.43 ABBIED600_Rev1_TypTmRs

Value	Description	Remarks
1	Freeze Op timer	Type of time reset,Selection of time reset
2	Decrease Op timer	Type of time reset,Selection of time reset

8.1.44 ABBIED600_Rev1_VResSigSel

Value	Description	Remarks

1	Measured Uo	Uo signal Sel,Selection for used Uo signal
2	Calculated Uo	Uo signal Sel,Selection for used Uo signal

8.1.45 ABBIED600_Rev1_OpModProHz

Value	Description	Remarks
1	Freq<	Operation mode, Frequency protection operation mode selection
2	Freq>	Operation mode, Frequency protection operation mode selection
3	df/dt	Operation mode, Frequency protection operation mode selection
4	Freq< + df/dt	Operation mode, Frequency protection operation mode selection
5	Freq> + df/dt	Operation mode, Frequency protection operation mode selection
6	Freq< OR df/dt	Operation mode, Frequency protection operation mode selection
7	Freq> OR df/dt	Operation mode, Frequency protection operation mode selection
8	Freq< AND df/dt	Operation mode, Frequency protection operation mode selection
9	Freq> AND df/dt	Operation mode, Frequency protection operation mode selection
10	Freq< OR Freq>	Operation mode, Frequency protection operation mode selection

8.1.46 ABBIED600_Rev1_DefHzSel

Value	Description	Remarks
1	Nominal	Def frequency Sel,Default frequency selection
2	Zero	Def frequency Sel,Default frequency selection

8.1.47 ABBIED600_Rev1_OpModEF

Value	Description	Remarks
1	Phase angle	Operation mode, Operation criteria
2	IoSin	Operation mode, Operation criteria
3	IoCos	Operation mode, Operation criteria
4	Phase angle 80	Operation mode, Operation criteria
5	Phase angle 88	Operation mode, Operation criteria

8.1.48 ABBIED600_Rev2_OpModTEF

Value	Description	Remarks
1	Intermittent EF	Operation mode, Operation criteria
2	Transient EF	Operation mode, Operation criteria
3	General EF	Operation mode, Operation criteria
4	Alarming EF	Operation mode, Operation criteria

8.1.49 ABBIED600_Rev1_DirMod2

Value	Description	Remarks
1	Forward	Active power Dir,Direction of active power flow: Forward, Reverse
2	Reverse	Active power Dir,Direction of active power flow: Forward, Reverse

8.1.50 ABBIED600_Rev1_ARtgSec

Value	Description	Remarks
1	0.2A	Secondary current, Rated secondary current

2	1A	Secondary current, Rated secondary current
3	5A	Secondary current, Rated secondary current

8.1.51 ABBIED600_Rev2_ConnType

Value	Description	Remarks
1	Wye	VT connection, Voltage transducer measurement connection
2	Delta	VT connection, Voltage transducer measurement connection
3	U12	VT connection, Voltage transducer measurement connection
4	UL1	VT connection, Voltage transducer measurement connection

8.1.52 ABBIED600_Rev1_AnInpType

Value	Description	Remarks
1	Voltage trafo	Voltage input type, Type of the voltage input
2	Current trafo	Voltage input type, Type of the voltage input
3	CVD sensor	Voltage input type, Type of the voltage input
4	Rogowski sensor	Voltage input type, Type of the voltage input

8.1.53 ABBIED600_Rev1_FibMod

Value	Description	Remarks
0	No fiber	Fiber mode, Fiber mode
2	Fiber optic	Fiber mode, Fiber mode

8.1.54 ABBIED600_Rev1_SerMod

Value	Description	Remarks
1	RS485 2Wire	Serial mode, Serial mode
2	RS485 4Wire	Serial mode, Serial mode
3	RS232 no handshake	Serial mode, Serial mode
4	RS232 with handshake	Serial mode, Serial mode

8.1.55 ABBIED600_Rev1_BaudRate

Value	Description	Remarks
1	300	Baudrate, Baudrate
2	600	Baudrate, Baudrate
3	1200	Baudrate, Baudrate
4	2400	Baudrate, Baudrate
5	4800	Baudrate, Baudrate
6	9600	Baudrate, Baudrate
7	19200	Baudrate, Baudrate
8	38400	Baudrate, Baudrate
9	57600	Baudrate, Baudrate
10	115200	Baudrate, Baudrate

8.1.56 ABBIED600_Rev2_EthPortMod

Value	Description	Remarks

0	Off	Port 1 mode,Ethernet port mode
1	On	Port 1 mode,Ethernet port mode

8.1.57 ABBIED600_Rev1_RecOp

Value	Description	Remarks
1	Off	Reclosing operation,Reclosing operation (Off, External Ctl / On)
2	External Ctl	Reclosing operation,Reclosing operation (Off, External Ctl / On)
3	On	Reclosing operation,Reclosing operation (Off, External Ctl / On)

8.1.58 ABBIED600_Rev1_TermPrio

Value	Description	Remarks
1	None	Terminal priority,Terminal priority
2	Low (follower)	Terminal priority,Terminal priority
3	High (master)	Terminal priority,Terminal priority

8.1.59 ABBIED600_Rev1_ProCrdMod

Value	Description	Remarks
1	No condition	Protection crd mode,Protection coordination mode
2	AR inoperative	Protection crd mode,Protection coordination mode
3	CB close manual	Protection crd mode,Protection coordination mode
4	AR inop, CB man	Protection crd mode,Protection coordination mode
5	Always	Protection crd mode,Protection coordination mode

8.1.60 ABBIED600_Rev1_AutoIniCnd

Value	Description	Remarks
1	Not allowed	Auto initiation cnd,Auto initiation condition
2	When sync fails	Auto initiation cnd,Auto initiation condition
3	CB doesn't close	Auto initiation cnd,Auto initiation condition
4	Both	Auto initiation cnd,Auto initiation condition

8.1.61 ABBIED600_Rev3_TestCtlKind

Value	Description	Remarks
0	Reset	DARREC1,Test control for outputs
1	Activate START	DARREC1,Test control for outputs
2	Deactive START	DARREC1,Test control for outputs
3	Activate ALARM	DARREC1,Test control for outputs
4	Deactive ALARM	DARREC1,Test control for outputs
5	Activate OPEN_CB	DARREC1,Test control for outputs
6	Deactive OPEN_CB	DARREC1,Test control for outputs
7	Activate CLOSE_CB	DARREC1,Test control for outputs
8	Deactive CLOSE_CB	DARREC1,Test control for outputs
9	Activate CMD_WAIT	DARREC1,Test control for outputs
10	Deactive CMD_WAIT	DARREC1,Test control for outputs

11	Activate PROT_CRD	DARREC1,Test control for outputs
12	Deactive PROT_CRD	DARREC1,Test control for outputs
13	Activate INPRO	DARREC1,Test control for outputs
14	Deactive INPRO	DARREC1,Test control for outputs
15	Activate LOCKED	DARREC1,Test control for outputs
16	Deactive LOCKED	DARREC1,Test control for outputs
17	Activate UNSUC_RECL	DARREC1,Test control for outputs
18	Deactive UNSUC_RECL	DARREC1,Test control for outputs
19	Activate AR_ON	DARREC1,Test control for outputs
20	Deactive AR_ON	DARREC1,Test control for outputs
21	Activate READY	DARREC1,Test control for outputs
22	Deactive READY	DARREC1,Test control for outputs
23	Activate RAISE	DARREC1,Test control for outputs
24	Deactive RAISE	DARREC1,Test control for outputs
25	Activate LOWER	DARREC1,Test control for outputs
26	Deactive LOWER	DARREC1,Test control for outputs
27	Activate PAR_FAIL	DARREC1,Test control for outputs
28	Deactive PAR_FAIL	DARREC1,Test control for outputs
29	Activate SYNC_INPRO	DARREC1,Test control for outputs
30	Deactive SYNC_INPRO	DARREC1,Test control for outputs
31	Activate SYNC_OK	DARREC1,Test control for outputs
32	Deactive SYNC_OK	DARREC1,Test control for outputs
33	Activate CL_FAIL_AL	DARREC1,Test control for outputs
34	Deactive CL_FAIL_AL	DARREC1,Test control for outputs
35	Activate CMD_FAIL_AL	DARREC1,Test control for outputs
36	Deactive CMD_FAIL_AL	DARREC1,Test control for outputs
37	Activate LLDB	DARREC1,Test control for outputs
38	Deactive LLDB	DARREC1,Test control for outputs
39	Activate LLLB	DARREC1,Test control for outputs
40	Deactive LLLB	DARREC1,Test control for outputs
41	Activate DLLB	DARREC1,Test control for outputs
42	Deactive DLLB	DARREC1,Test control for outputs
43	Activate DLDB	DARREC1,Test control for outputs
44	Deactive DLDB	DARREC1,Test control for outputs
45	Activate ACTIVE	DARREC1,Test control for outputs
46	Deactive ACTIVE	DARREC1,Test control for outputs
47	Activate OPEN_CB1	DARREC1,Test control for outputs
48	Deactive OPEN_CB1	DARREC1,Test control for outputs
49	Activate CLOSE_CB1	DARREC1,Test control for outputs
50	Deactive CLOSE_CB1	DARREC1,Test control for outputs
51	Activate OPEN_CB2	DARREC1,Test control for outputs
52	Deactive OPEN_CB2	DARREC1,Test control for outputs

53	Activate CLOSE_CB2	DARREC1,Test control for outputs
54	Deactive CLOSE_CB2	DARREC1,Test control for outputs
55	Activate BLKD_AL	DARREC1,Test control for outputs
56	Deactive BLKD_AL	DARREC1,Test control for outputs

8.1.62 ABBIED600_Rev3_CmdRsp

Value	Description	Remarks
0	No commands	Command response,Latest command response
1	Select open	Command response,Latest command response
2	Select close	Command response,Latest command response
3	Operate open	Command response,Latest command response
4	Operate close	Command response,Latest command response
5	Direct open	Command response,Latest command response
6	Direct close	Command response,Latest command response
7	Cancel	Command response,Latest command response
8	Position reached	Command response,Latest command response
9	Position timeout	Command response,Latest command response
10	Object status only	Command response,Latest command response
11	Object direct	Command response,Latest command response
12	Object select	Command response,Latest command response
13	RL local allowed	Command response,Latest command response
14	RL remote allowed	Command response,Latest command response
15	RL off	Command response,Latest command response
16	Function off	Command response,Latest command response
17	Function blocked	Command response,Latest command response
18	Command progress	Command response,Latest command response
19	Select timeout	Command response,Latest command response
20	Missing authority	Command response,Latest command response
21	Close not enabled	Command response,Latest command response
22	Open not enabled	Command response,Latest command response
23	Internal fault	Command response,Latest command response
24	Already close	Command response,Latest command response
25	Wrong client	Command response,Latest command response
26	RL station allowed	Command response,Latest command response
27	RL change	Command response,Latest command response
28	Abortion by trip	Command response,Latest command response

8.1.63 ABBIED600_Rev3_LocKeyHMI

Value	Description	Remarks
0	Off	LR state,LR state monitoring
1	Local	LR state,LR state monitoring
2	Remote	LR state,LR state monitoring
3	Station	LR state,LR state monitoring

4	L+R	LR state,LR state monitoring
5	L+S	LR state,LR state monitoring
6	L+S+R	LR state,LR state monitoring
7	S+R	LR state,LR state monitoring

8.1.64 ABBIED600_Rev1_LocRemMod

Value	Description	Remarks
1	LR key	LR control,LR control through LR key or binary input
2	Binary input	LR control,LR control through LR key or binary input

8.1.65 ABBIED600_Rev1_StaLevSet

Value	Description	Remarks
1	L,R	Station authority,Control command originator category usage
2	L,S,R	Station authority,Control command originator category usage
3	L,R,L+R	Station authority,Control command originator category usage
4	L,S,S+R,L+S,L+S+R	Station authority,Control command originator category usage

8.1.66 ABBIED600_Rev1_EStoRte

Value	Description	Remarks
8	8 samples / cycle	Storage rate,Storage rate for waveform recordings in samples per cycle
16	16 samples / cycle	Storage rate,Storage rate for waveform recordings in samples per cycle
32	32 samples / cycle	Storage rate,Storage rate for waveform recordings in samples per cycle

8.1.67 ABBIED600_Rev1_EStoMod

Value	Description	Remarks
0	Waveform	Stor. mode periodic,Storage mode selection (waveform / trend) for periodic trigger
1	Trend / cycle	Stor. mode periodic,Storage mode selection (waveform / trend) for periodic trigger

8.1.68 ABBIED600_Rev4_RadrChNum

Value	Description	Remarks
0	Disabled	Channel selection,Select a signal, which will be recorded by this channel
1	Io	Channel selection,Select a signal, which will be recorded by this channel
2	IL1	Channel selection,Select a signal, which will be recorded by this channel
3	IL2	Channel selection,Select a signal, which will be recorded by this channel
4	IL3	Channel selection,Select a signal, which will be recorded by this channel
5	IoB	Channel selection,Select a signal, which will be recorded by this channel
6	IL1B	Channel selection,Select a signal, which will be recorded by this channel
7	IL2B	Channel selection,Select a signal, which will be recorded by this channel
8	IL3B	Channel selection,Select a signal, which will be recorded by this channel
9	Uo	Channel selection,Select a signal, which will be recorded by this channel
10	U1	Channel selection,Select a signal, which will be recorded by this channel
11	U2	Channel selection,Select a signal, which will be recorded by this channel
12	U3	Channel selection,Select a signal, which will be recorded by this channel

13	UoB	Channel selection,Select a signal, which will be recorded by this channel
14	U1B	Channel selection,Select a signal, which will be recorded by this channel
15	U2B	Channel selection,Select a signal, which will be recorded by this channel
16	U3B	Channel selection,Select a signal, which will be recorded by this channel
17	Clo	Channel selection,Select a signal, which will be recorded by this channel
18	SI1	Channel selection,Select a signal, which will be recorded by this channel
19	SI2	Channel selection,Select a signal, which will be recorded by this channel
20	SU0	Channel selection,Select a signal, which will be recorded by this channel
21	SU1	Channel selection,Select a signal, which will be recorded by this channel
22	SU2	Channel selection,Select a signal, which will be recorded by this channel
23	CloB	Channel selection,Select a signal, which will be recorded by this channel
24	SI1B	Channel selection,Select a signal, which will be recorded by this channel
25	SI2B	Channel selection,Select a signal, which will be recorded by this channel
26	SU0B	Channel selection,Select a signal, which will be recorded by this channel
27	SU1B	Channel selection,Select a signal, which will be recorded by this channel
28	SU2B	Channel selection,Select a signal, which will be recorded by this channel
29	U12	Channel selection,Select a signal, which will be recorded by this channel
30	U23	Channel selection,Select a signal, which will be recorded by this channel
31	U31	Channel selection,Select a signal, which will be recorded by this channel
32	UL1	Channel selection,Select a signal, which will be recorded by this channel
33	UL2	Channel selection,Select a signal, which will be recorded by this channel
34	UL3	Channel selection,Select a signal, which will be recorded by this channel
35	U12B	Channel selection,Select a signal, which will be recorded by this channel
36	U23B	Channel selection,Select a signal, which will be recorded by this channel
37	U31B	Channel selection,Select a signal, which will be recorded by this channel
38	UL1B	Channel selection,Select a signal, which will be recorded by this channel
39	UL2B	Channel selection,Select a signal, which will be recorded by this channel
40	UL3B	Channel selection,Select a signal, which will be recorded by this channel
41	U1T	Channel selection,Select a signal, which will be recorded by this channel
42	U2T	Channel selection,Select a signal, which will be recorded by this channel
43	U3T	Channel selection,Select a signal, which will be recorded by this channel
44	PD	Channel selection,Select a signal, which will be recorded by this channel
45	IoC	Channel selection,Select a signal, which will be recorded by this channel
46	IL1C	Channel selection,Select a signal, which will be recorded by this channel
47	IL2C	Channel selection,Select a signal, which will be recorded by this channel
48	IL3C	Channel selection,Select a signal, which will be recorded by this channel
49	CloC	Channel selection,Select a signal, which will be recorded by this channel
50	SI1C	Channel selection,Select a signal, which will be recorded by this channel
51	SI2C	Channel selection,Select a signal, which will be recorded by this channel
52	U1C	Channel selection,Select a signal, which will be recorded by this channel
53	U1D	Channel selection,Select a signal, which will be recorded by this channel

8.2 Extented Enum types

8.2.1 ABBIED600_Rev1_HealthKind

Value	Description	Remarks
-2	Waiting	
-1	Test	
1	Ok	
2	Warning	
3	Alarm	

8.2.2 ABBIED600_Rev1_PhaseFaultDirectionKind

Value	Description	Remarks
-1	both	
0	unknown	
1	forward	
2	backward	

8.2.3 ABBIED600_Rev20_TstOutKind

Value	Description	Remarks
0	Reset	PHIPTOC1,Test control for outputs
1	Activate START	PHIPTOC1,Test control for outputs
2	Deactive START	PHIPTOC1,Test control for outputs
3	Activate ST_A	PHIPTOC1,Test control for outputs
4	Deactive ST_A	PHIPTOC1,Test control for outputs
5	Activate ST_B	PHIPTOC1,Test control for outputs
6	Deactive ST_B	PHIPTOC1,Test control for outputs
7	Activate ST_C	PHIPTOC1,Test control for outputs
8	Deactive ST_C	PHIPTOC1,Test control for outputs
9	Activate OPERATE	PHIPTOC1,Test control for outputs
10	Deactive OPERATE	PHIPTOC1,Test control for outputs
11	Activate OPR_A	PHIPTOC1,Test control for outputs
12	Deactive OPR_A	PHIPTOC1,Test control for outputs
13	Activate OPR_B	PHIPTOC1,Test control for outputs
14	Deactive OPR_B	PHIPTOC1,Test control for outputs
15	Activate OPR_C	PHIPTOC1,Test control for outputs
16	Deactive OPR_C	PHIPTOC1,Test control for outputs
17	Activate ALARM	PHIPTOC1,Test control for outputs
18	Deactive ALARM	PHIPTOC1,Test control for outputs
19	Activate WARNING	PHIPTOC1,Test control for outputs
20	Deactive WARNING	PHIPTOC1,Test control for outputs
21	Activate BLK_CLOSE	PHIPTOC1,Test control for outputs
22	Deactive BLK_CLOSE	PHIPTOC1,Test control for outputs

23	reserved1	PHIPTOC1,Test control for outputs
24	reserved2	PHIPTOC1,Test control for outputs
25	Activate CB_FAULT_AL	PHIPTOC1,Test control for outputs
26	Deactive CB_FAULT_AL	PHIPTOC1,Test control for outputs
27	Activate TRBU	PHIPTOC1,Test control for outputs
28	Deactive TRBU	PHIPTOC1,Test control for outputs
29	Activate TRRET	PHIPTOC1,Test control for outputs
30	Deactive TRRET	PHIPTOC1,Test control for outputs
31	Activate BLK_EF	PHIPTOC1,Test control for outputs
32	Deactive BLK_EF	PHIPTOC1,Test control for outputs
33	Activate ARC_FLT_DET	PHIPTOC1,Test control for outputs
34	Deactive ARC_FLT_DET	PHIPTOC1,Test control for outputs
35	Activate BLK2H	PHIPTOC1,Test control for outputs
36	Deactive BLK2H	PHIPTOC1,Test control for outputs
37	Activate BLK2H_A	PHIPTOC1,Test control for outputs
38	Deactive BLK2H_A	PHIPTOC1,Test control for outputs
39	Activate BLK2H_B	PHIPTOC1,Test control for outputs
40	Deactive BLK2H_B	PHIPTOC1,Test control for outputs
41	Activate BLK2H_C	PHIPTOC1,Test control for outputs
42	Deactive BLK2H_C	PHIPTOC1,Test control for outputs
43	Activate TRIP	PHIPTOC1,Test control for outputs
44	Deactive TRIP	PHIPTOC1,Test control for outputs
45	Activate CL_LKOUT	PHIPTOC1,Test control for outputs
46	Deactive CL_LKOUT	PHIPTOC1,Test control for outputs
47	Activate OPEN_CB	PHIPTOC1,Test control for outputs
48	Deactive OPEN_CB	PHIPTOC1,Test control for outputs
49	Activate CLOSE_CB	PHIPTOC1,Test control for outputs
50	Deactive CLOSE_CB	PHIPTOC1,Test control for outputs
51	Activate CMD_WAIT	PHIPTOC1,Test control for outputs
52	Deactive CMD_WAIT	PHIPTOC1,Test control for outputs
53	Activate PROT_CRD	PHIPTOC1,Test control for outputs
54	Deactive PROT_CRD	PHIPTOC1,Test control for outputs
55	Activate INPRO	PHIPTOC1,Test control for outputs
56	Deactive INPRO	PHIPTOC1,Test control for outputs
57	Activate LOCKED	PHIPTOC1,Test control for outputs
58	Deactive LOCKED	PHIPTOC1,Test control for outputs
59	Activate UNSUC_RECL	PHIPTOC1,Test control for outputs
60	Deactive UNSUC_RECL	PHIPTOC1,Test control for outputs
61	Activate AR_ON	PHIPTOC1,Test control for outputs
62	Deactive AR_ON	PHIPTOC1,Test control for outputs
63	Act. TRV_T_OP_ALM	PHIPTOC1,Test control for outputs
64	Deact. TRV_T_OP_ALM	PHIPTOC1,Test control for outputs

65	Act. TRV_T_CL_ALM	PHIPTOC1,Test control for outputs
66	Deact. TRV_T_CL_ALM	PHIPTOC1,Test control for outputs
67	Act. DIFTRVTOPALM	PHIPTOC1,Test control for outputs
68	Deact. DIFTRVTOPALM	PHIPTOC1,Test control for outputs
69	Act. DIFTRVTCLALM	PHIPTOC1,Test control for outputs
70	Deact. DIFTRVTCLALM	PHIPTOC1,Test control for outputs
71	Activate SPR_CHR_ALM	PHIPTOC1,Test control for outputs
72	Deactive SPR_CHR_ALM	PHIPTOC1,Test control for outputs
73	Activate OPR_ALM	PHIPTOC1,Test control for outputs
74	Deactive OPR_ALM	PHIPTOC1,Test control for outputs
75	Activate OPR_LO	PHIPTOC1,Test control for outputs
76	Deactive OPR_LO	PHIPTOC1,Test control for outputs
77	Activate IPOW_ALM	PHIPTOC1,Test control for outputs
78	Deactive IPOW_ALM	PHIPTOC1,Test control for outputs
79	Activate IPOW_LO	PHIPTOC1,Test control for outputs
80	Deactive IPOW_LO	PHIPTOC1,Test control for outputs
81	Activate CB_LIFE_ALM	PHIPTOC1,Test control for outputs
82	Deactive CB_LIFE_ALM	PHIPTOC1,Test control for outputs
83	Activate MON_ALM	PHIPTOC1,Test control for outputs
84	Deactive MON_ALM	PHIPTOC1,Test control for outputs
85	Activate PRES_ALM	PHIPTOC1,Test control for outputs
86	Deactive PRES_ALM	PHIPTOC1,Test control for outputs
87	Activate PRES_LO	PHIPTOC1,Test control for outputs
88	Deactive PRES_LO	PHIPTOC1,Test control for outputs
89	Activate OPENPOS	PHIPTOC1,Test control for outputs
90	Deactive OPENPOS	PHIPTOC1,Test control for outputs
91	Activate INVALIDPOS	PHIPTOC1,Test control for outputs
92	Deactive INVALIDPOS	PHIPTOC1,Test control for outputs
93	Activate CLOSEPOS	PHIPTOC1,Test control for outputs
94	Deactive CLOSEPOS	PHIPTOC1,Test control for outputs
95	Activate STR_LS_LOC	PHIPTOC1,Test control for outputs
96	Deactive STR_LS_LOC	PHIPTOC1,Test control for outputs
97	Activate STR_LS_Rem	PHIPTOC1,Test control for outputs
98	Deactive STR_LS_Rem	PHIPTOC1,Test control for outputs
99	Activate OPR_LS_LOC	PHIPTOC1,Test control for outputs
100	Deactive OPR_LS_LOC	PHIPTOC1,Test control for outputs
101	Activate OPR_LS_Rem	PHIPTOC1,Test control for outputs
102	Deactive OPR_LS_Rem	PHIPTOC1,Test control for outputs
103	Activate OPR_HS_LOC	PHIPTOC1,Test control for outputs
104	Deactive OPR_HS_LOC	PHIPTOC1,Test control for outputs
105	Activate OPR_HS_Rem	PHIPTOC1,Test control for outputs
106	Deactive OPR_HS_Rem	PHIPTOC1,Test control for outputs

107	Activate RSTD2H_LOC	PHIPTOC1,Test control for outputs
108	Deactive RSTD2H_LOC	PHIPTOC1,Test control for outputs
109	Activate RSTD2H_Rem	PHIPTOC1,Test control for outputs
110	Deactive RSTD2H_Rem	PHIPTOC1,Test control for outputs
111	Activate PROT_ACTIVE	PHIPTOC1,Test control for outputs
112	Deactive PROT_ACTIVE	PHIPTOC1,Test control for outputs
113	Activate FAIL	PHIPTOC1,Test control for outputs
114	Deactive FAIL	PHIPTOC1,Test control for outputs
115	Activate RESTORE	PHIPTOC1,Test control for outputs
116	Deactive RESTORE	PHIPTOC1,Test control for outputs
117	Activate FUSEF_3PH	PHIPTOC1,Test control for outputs
118	Deactive FUSEF_3PH	PHIPTOC1,Test control for outputs
119	Activate FUSEF_U	PHIPTOC1,Test control for outputs
120	Deactive FUSEF_U	PHIPTOC1,Test control for outputs
121	Activate READY	PHIPTOC1,Test control for outputs
122	Deactive READY	PHIPTOC1,Test control for outputs
123	Activate RELEASE	PHIPTOC1,Test control for outputs
124	Deactive RELEASE	PHIPTOC1,Test control for outputs
125	Activate OPR_Z_EXTN	PHIPTOC1,Test control for outputs
126	Deactive OPR_Z_EXTN	PHIPTOC1,Test control for outputs
-1	Activate OPR_IIT	PHIPTOC1,Test control for outputs
-2	Deactive OPR_IIT	PHIPTOC1,Test control for outputs
-3	Activate OPR_STALL	PHIPTOC1,Test control for outputs
-4	Deactive OPR_STALL	PHIPTOC1,Test control for outputs
-5	Activate MOT_START	PHIPTOC1,Test control for outputs
-6	Deactive MOT_START	PHIPTOC1,Test control for outputs
-7	Activate LOCK_START	PHIPTOC1,Test control for outputs
-8	Deactive LOCK_START	PHIPTOC1,Test control for outputs
-9	Activate BLK_RESTART	PHIPTOC1,Test control for outputs
-10	Deactive BLK_RESTART	PHIPTOC1,Test control for outputs
-11	Activate OPR_LS	PHIPTOC1,Test control for outputs
-12	Deactive OPR_LS	PHIPTOC1,Test control for outputs
-13	Activate OPR_HS	PHIPTOC1,Test control for outputs
-14	Deactive OPR_HS	PHIPTOC1,Test control for outputs
-15	Activate BLKD2H	PHIPTOC1,Test control for outputs
-16	Deactive BLKD2H	PHIPTOC1,Test control for outputs
-17	Activate BLKD5H	PHIPTOC1,Test control for outputs
-18	Deactive BLKD5H	PHIPTOC1,Test control for outputs
-19	Activate BLKDWA	PHIPTOC1,Test control for outputs
-20	Deactive BLKDWA	PHIPTOC1,Test control for outputs
-21	Activate OPR_UFRQ	PHIPTOC1,Test control for outputs
-22	Deactive OPR_UFRQ	PHIPTOC1,Test control for outputs

-23	Activate OPR_OFRQ	PHIPTOC1,Test control for outputs
-24	Deactive OPR_OFRQ	PHIPTOC1,Test control for outputs
-25	Activate OPR_FRG	PHIPTOC1,Test control for outputs
-26	Deactive OPR_FRG	PHIPTOC1,Test control for outputs
-27	Activate ST_UFRQ	PHIPTOC1,Test control for outputs
-28	Deactive ST_UFRQ	PHIPTOC1,Test control for outputs
-29	Activate ST_OFRQ	PHIPTOC1,Test control for outputs
-30	Deactive ST_OFRQ	PHIPTOC1,Test control for outputs
-31	Activate ST_FRG	PHIPTOC1,Test control for outputs
-32	Deactive ST_FRG	PHIPTOC1,Test control for outputs
-33	Activate RAISE	PHIPTOC1,Test control for outputs
-34	Deactive RAISE	PHIPTOC1,Test control for outputs
-35	Activate LOWER	PHIPTOC1,Test control for outputs
-36	Deactive LOWER	PHIPTOC1,Test control for outputs
-37	Activate PAR_FAIL	PHIPTOC1,Test control for outputs
-38	Deactive PAR_FAIL	PHIPTOC1,Test control for outputs
-39	Activate SYNC_INPRO	PHIPTOC1,Test control for outputs
-40	Deactive SYNC_INPRO	PHIPTOC1,Test control for outputs
-41	Activate SYNC_OK	PHIPTOC1,Test control for outputs
-42	Deactive SYNC_OK	PHIPTOC1,Test control for outputs
-43	Activate CL_FAIL_AL	PHIPTOC1,Test control for outputs
-44	Deactive CL_FAIL_AL	PHIPTOC1,Test control for outputs
-45	Activate CMD_FAIL_AL	PHIPTOC1,Test control for outputs
-46	Deactive CMD_FAIL_AL	PHIPTOC1,Test control for outputs
-47	Activate LLDB	PHIPTOC1,Test control for outputs
-48	Deactive LLDB	PHIPTOC1,Test control for outputs
-49	Activate LLLB	PHIPTOC1,Test control for outputs
-50	Deactive LLLB	PHIPTOC1,Test control for outputs
-51	Activate DLLB	PHIPTOC1,Test control for outputs
-52	Deactive DLLB	PHIPTOC1,Test control for outputs
-53	Activate DLDB	PHIPTOC1,Test control for outputs
-54	Deactive DLDB	PHIPTOC1,Test control for outputs
-55	Activate ST_REST	PHIPTOC1,Test control for outputs
-56	Deactive ST_REST	PHIPTOC1,Test control for outputs
-57	Activate INT_BLKD	PHIPTOC1,Test control for outputs
-58	Deactive INT_BLKD	PHIPTOC1,Test control for outputs
-59	Activate SWELLST	PHIPTOC1,Test control for outputs
-60	Deactive SWELLST	PHIPTOC1,Test control for outputs
-61	Activate DIPST	PHIPTOC1,Test control for outputs
-62	Deactive DIPST	PHIPTOC1,Test control for outputs
-63	Activate INTST	PHIPTOC1,Test control for outputs
-64	Deactive INTST	PHIPTOC1,Test control for outputs

-65	Activate COOL_ACTIVE	PHIPTOC1,Test control for outputs
-66	Deactive COOL_ACTIVE	PHIPTOC1,Test control for outputs
-67	Activate MN_UNB_AL	PHIPTOC1,Test control for outputs
-68	Deactive MN_UNB_AL	PHIPTOC1,Test control for outputs
-69	Activate PCT_UNB_AL	PHIPTOC1,Test control for outputs
-70	Deactive PCT_UNB_AL	PHIPTOC1,Test control for outputs
-71	Activate FAIL_CTGRP1	PHIPTOC1,Test control for outputs
-72	Deactive FAIL_CTGRP1	PHIPTOC1,Test control for outputs
-73	Activate FAIL_CTGRP2	PHIPTOC1,Test control for outputs
-74	Deactive FAIL_CTGRP2	PHIPTOC1,Test control for outputs
-75	Activate FAIL_CTGRP3	PHIPTOC1,Test control for outputs
-76	Deactive FAIL_CTGRP3	PHIPTOC1,Test control for outputs
-77	Activate OBS_PR_ACT	PHIPTOC1,Test control for outputs
-78	Deactive OBS_PR_ACT	PHIPTOC1,Test control for outputs
-79	Activate OPERATE_Z1	PHIPTOC1,Test control for outputs
-80	Deactive OPERATE_Z1	PHIPTOC1,Test control for outputs
-81	Activate OPERATE_Z2	PHIPTOC1,Test control for outputs
-82	Deactive OPERATE_Z2	PHIPTOC1,Test control for outputs
-83	Activate OPERATE_Z3	PHIPTOC1,Test control for outputs
-84	Deactive OPERATE_Z3	PHIPTOC1,Test control for outputs
-85	Activate OPERATE_Z4	PHIPTOC1,Test control for outputs
-86	Deactive OPERATE_Z4	PHIPTOC1,Test control for outputs
-87	Activate OPERATE_Z5	PHIPTOC1,Test control for outputs
-88	Deactive OPERATE_Z5	PHIPTOC1,Test control for outputs
-89	Activate START_Z1	PHIPTOC1,Test control for outputs
-90	Deactive START_Z1	PHIPTOC1,Test control for outputs
-91	Activate START_Z2	PHIPTOC1,Test control for outputs
-92	Deactive START_Z2	PHIPTOC1,Test control for outputs
-93	Activate START_Z3	PHIPTOC1,Test control for outputs
-94	Deactive START_Z3	PHIPTOC1,Test control for outputs
-95	Activate START_Z4	PHIPTOC1,Test control for outputs
-96	Deactive START_Z4	PHIPTOC1,Test control for outputs
-97	Activate START_Z5	PHIPTOC1,Test control for outputs
-98	Deactive START_Z5	PHIPTOC1,Test control for outputs
-99	Activate LODDSR_GFC	PHIPTOC1,Test control for outputs
-100	Deactive LODDSR_GFC	PHIPTOC1,Test control for outputs
-101	Activate START_GFC	PHIPTOC1,Test control for outputs
-102	Deactive START_GFC	PHIPTOC1,Test control for outputs
-103	Activate ST_ALARM	PHIPTOC1,Test control for outputs
-104	Deactive ST_ALARM	PHIPTOC1,Test control for outputs
-105	Activate OPR_IRV	PHIPTOC1,Test control for outputs
-106	Deactive OPR_IRV	PHIPTOC1,Test control for outputs

-107	Activate OPR_WEI	PHIPTOC1,Test control for outputs
-108	Deactive OPR_WEI	PHIPTOC1,Test control for outputs
-109	Activate ECHO	PHIPTOC1,Test control for outputs
-110	Deactive ECHO	PHIPTOC1,Test control for outputs
-111	Activate CR	PHIPTOC1,Test control for outputs
-112	Deactive CR	PHIPTOC1,Test control for outputs
-113	Activate CS	PHIPTOC1,Test control for outputs
-114	Deactive CS	PHIPTOC1,Test control for outputs
-115	Activate CRL	PHIPTOC1,Test control for outputs
-116	Deactive CRL	PHIPTOC1,Test control for outputs
-117	Activate LCG	PHIPTOC1,Test control for outputs
-118	Deactive LCG	PHIPTOC1,Test control for outputs
-119	Activate OPR_OVLOD	PHIPTOC1,Test control for outputs
-120	Deactive OPR_OVLOD	PHIPTOC1,Test control for outputs
-121	Activate ST_OVLOD	PHIPTOC1,Test control for outputs
-122	Deactive ST_OVLOD	PHIPTOC1,Test control for outputs
-123	Activate OPR_UN_I	PHIPTOC1,Test control for outputs
-124	Deactive OPR_UN_I	PHIPTOC1,Test control for outputs
-125	Activate ST_UN_I	PHIPTOC1,Test control for outputs
-126	Deactive ST_UN_I	PHIPTOC1,Test control for outputs

8.2.4 ABBIED600_Rev1_CurveCharKind

Value	Description	Remarks
1	ANSI Extremely Inverse	Operating curve type,Selection of time delay curve type,ANSI Ext. inv.
2	ANSI Very Inverse	Operating curve type,Selection of time delay curve type,ANSI Very inv.
3	ANSI Normal Inverse	Operating curve type,Selection of time delay curve type,ANSI Norm. inv.
4	ANSI Moderate Inverse	Operating curve type,Selection of time delay curve type,ANSI Mod. inv.
5	ANSI Definite Time	Operating curve type,Selection of time delay curve type,ANSI Def. Time
6	Long-Time Extremely Inverse	Operating curve type,Selection of time delay curve type,L.T.E. inv.
7	Long-Time Very Inverse	Operating curve type,Selection of time delay curve type,L.T.V. inv.
8	Long-Time Inverse	Operating curve type,Selection of time delay curve type,L.T. inv.
9	IEC Normal Inverse	Operating curve type,Selection of time delay curve type,IEC Norm. inv.
10	IEC Very Inverse	Operating curve type,Selection of time delay curve type,IEC Very inv.
11	IEC Inverse	Operating curve type,Selection of time delay curve type,IEC inv.
12	IEC Extremely Inverse	Operating curve type,Selection of time delay curve type,IEC Ext. inv.
13	IEC Short-Time Inverse	Operating curve type,Selection of time delay curve type,IEC S.T. inv.
14	IEC Long-Time Inverse	Operating curve type,Selection of time delay curve type,IEC L.T. inv.
15	IEC Definite Time	Operating curve type,Selection of time delay curve type,IEC Def. Time
16	Reserved	Operating curve type,Selection of time delay curve type
17	Polynom 1	Operating curve type,Selection of time delay curve type,Programmable
18	Polynom 2	Operating curve type,Selection of time delay curve type,RI type
19	Polynom 3	Operating curve type,Selection of time delay curve type,RD type
20	Polynom 4	Operating curve type,Selection of time delay curve type

21	Polynom 5	Operating curve type,Selection of time delay curve type
22	Polynom 6	Operating curve type,Selection of time delay curve type
23	Polynom 7	Operating curve type,Selection of time delay curve type
24	Polynom 8	Operating curve type,Selection of time delay curve type
25	Polynom 9	Operating curve type,Selection of time delay curve type
26	Polynom 10	Operating curve type,Selection of time delay curve type
27	Polynom 11	Operating curve type,Selection of time delay curve type
28	Polynom 12	Operating curve type,Selection of time delay curve type
29	Polynom 13	Operating curve type,Selection of time delay curve type
30	Polynom 14	Operating curve type,Selection of time delay curve type
31	Polynom 15	Operating curve type,Selection of time delay curve type
32	Polynom 16	Operating curve type,Selection of time delay curve type
33	Multiline 1	Operating curve type,Selection of time delay curve type
34	Multiline 2	Operating curve type,Selection of time delay curve type
35	Multiline 3	Operating curve type,Selection of time delay curve type
36	Multiline 4	Operating curve type,Selection of time delay curve type
37	Multiline 5	Operating curve type,Selection of time delay curve type
38	Multiline 6	Operating curve type,Selection of time delay curve type
39	Multiline 7	Operating curve type,Selection of time delay curve type
40	Multiline 8	Operating curve type,Selection of time delay curve type
41	Multiline 9	Operating curve type,Selection of time delay curve type
42	Multiline 10	Operating curve type,Selection of time delay curve type
43	Multiline 11	Operating curve type,Selection of time delay curve type
44	Multiline 12	Operating curve type,Selection of time delay curve type
45	Multiline 13	Operating curve type,Selection of time delay curve type
46	Multiline 14	Operating curve type,Selection of time delay curve type
47	Multiline 15	Operating curve type,Selection of time delay curve type
48	Multiline 16	Operating curve type,Selection of time delay curve type
-1	Recloser 1	Operating curve type,Selection of time delay curve type
-2	Recloser 2	Operating curve type,Selection of time delay curve type
-3	Recloser 3	Operating curve type,Selection of time delay curve type
-4	Recloser 4	Operating curve type,Selection of time delay curve type
-5	Recloser 5	Operating curve type,Selection of time delay curve type
-6	Recloser 6	Operating curve type,Selection of time delay curve type
-7	Recloser 7	Operating curve type,Selection of time delay curve type
-8	Recloser 8	Operating curve type,Selection of time delay curve type
-9	Recloser 8+	Operating curve type,Selection of time delay curve type
-10	Recloser 8*	Operating curve type,Selection of time delay curve type
-11	Recloser 9	Operating curve type,Selection of time delay curve type
-12	Recloser 11	Operating curve type,Selection of time delay curve type
-13	Recloser 13	Operating curve type,Selection of time delay curve type
-14	Recloser 14	Operating curve type,Selection of time delay curve type

-15	Recloser 15	Operating curve type,Selection of time delay curve type
-16	Recloser 16	Operating curve type,Selection of time delay curve type
-17	Recloser 17	Operating curve type,Selection of time delay curve type
-18	Recloser 18	Operating curve type,Selection of time delay curve type
-19	Recloser A	Operating curve type,Selection of time delay curve type
-20	Recloser B	Operating curve type,Selection of time delay curve type
-21	Recloser C	Operating curve type,Selection of time delay curve type
-22	Recloser D	Operating curve type,Selection of time delay curve type
-23	Recloser E	Operating curve type,Selection of time delay curve type
-24	Recloser F	Operating curve type,Selection of time delay curve type
-25	Recloser G	Operating curve type,Selection of time delay curve type
-26	Recloser H	Operating curve type,Selection of time delay curve type
-27	Recloser J	Operating curve type,Selection of time delay curve type
-28	Recloser Kg	Operating curve type,Selection of time delay curve type
-29	Recloser Kp	Operating curve type,Selection of time delay curve type
-30	Recloser L	Operating curve type,Selection of time delay curve type
-31	Recloser M	Operating curve type,Selection of time delay curve type
-32	Recloser N	Operating curve type,Selection of time delay curve type
-33	Recloser P	Operating curve type,Selection of time delay curve type
-34	Recloser R	Operating curve type,Selection of time delay curve type
-35	Recloser T	Operating curve type,Selection of time delay curve type
-36	Recloser V	Operating curve type,Selection of time delay curve type
-37	Recloser W	Operating curve type,Selection of time delay curve type
-38	Recloser Y	Operating curve type,Selection of time delay curve type
-39	Recloser Z	Operating curve type,Selection of time delay curve type

8.2.5 ABBIED600_Rev32_ProFcn

Value	Description	Remarks
-127	PHAPTV1	Protection,Protection function
-126	PHCPTOV1	Protection,Protection function
-125	PHBPTOV1	Protection,Protection function
-124	PHAPTOV1	Protection,Protection function
-123	DPH3LPDOC2	Protection,Protection function
-122	DPH3LPDOC1	Protection,Protection function
-121	DPH3HPDOC2	Protection,Protection function
-120	DPH3HPDOC1	Protection,Protection function
-119	PH3LPTOC2	Protection,Protection function
-118	PH3LPTOC1	Protection,Protection function
-117	XDEFLPDEF2	Protection,Protection function
-116	XDEFLPDEF1	Protection,Protection function
-115	SDPHLPDOC2	Protection,Protection function
-114	SDPHLPDOC1	Protection,Protection function
-113	XNSPTOC2	Protection,Protection function

-112	XNSPTOC1	Protection,Protection function
-111	XEFIPTOC2	Protection,Protection function
-110	XEFHPTOC4	Protection,Protection function
-109	XEFHPTOC3	Protection,Protection function
-108	XEFLPTOC3	Protection,Protection function
-107	XEFLPTOC2	Protection,Protection function
-106	MAPGAPC16	Protection,Protection function
-105	MAPGAPC15	Protection,Protection function
-104	MAPGAPC14	Protection,Protection function
-103	MAPGAPC13	Protection,Protection function
-102	MAPGAPC12	Protection,Protection function
-101	MAPGAPC11	Protection,Protection function
-100	MAPGAPC10	Protection,Protection function
-99	MAPGAPC9	Protection,Protection function
-98	RESCPSCH1	Protection,Protection function
-96	SPIHPTOC1	Protection,Protection function
-93	SPHLPTOC2	Protection,Protection function
-92	SPHLPTOC1	Protection,Protection function
-89	SPHHPTOC2	Protection,Protection function
-88	SPHHPTOC1	Protection,Protection function
-87	SPHPTUV4	Protection,Protection function
-86	SPHPTUV3	Protection,Protection function
-85	SPHPTUV2	Protection,Protection function
-84	SPHPTUV1	Protection,Protection function
-83	SPHPTOV4	Protection,Protection function
-82	SPHPTOV3	Protection,Protection function
-81	SPHPTOV2	Protection,Protection function
-80	SPHPTOV1	Protection,Protection function
-79	PH3HPTOC2	Protection,Protection function
-78	PH3HPTOC1	Protection,Protection function
-77	PH3IPTOC1	Protection,Protection function
-76	MAPGAPC18	Protection,Protection function
-75	MAPGAPC17	Protection,Protection function
-74	DOPPDPR3	Protection,Protection function
-73	DOPPDPR2	Protection,Protection function
-72	DOPPDPR1	Protection,Protection function
-70	DUPPDPR2	Protection,Protection function
-69	DUPPDPR1	Protection,Protection function
-68	PHPVOC2	Protection,Protection function
-67	DQPTUV2	Protection,Protection function
-66	DQPTUV1	Protection,Protection function
-65	VVSPPAM1	Protection,Protection function

-64	PHPVOC1	Protection,Protection function
-63	H3EFPSEF1	Protection,Protection function
-62	SRCPCTOC1	Protection,Protection function
-61	COLPTOC1	Protection,Protection function
-60	HCUBPTOC1	Protection,Protection function
-59	CUBPTOC1	Protection,Protection function
-58	UZPDIS1	Protection,Protection function
-57	FDEFLPDEF2	Protection,Protection function
-56	FDEFLPDEF1	Protection,Protection function
-54	FEFLPTOC1	Protection,Protection function
-53	FDPHLPDOC2	Protection,Protection function
-52	FDPHLPDOC1	Protection,Protection function
-50	FPHLPTOC1	Protection,Protection function
-47	MAP12GAPC8	Protection,Protection function
-46	MAP12GAPC7	Protection,Protection function
-45	MAP12GAPC6	Protection,Protection function
-44	MAP12GAPC5	Protection,Protection function
-43	MAP12GAPC4	Protection,Protection function
-42	MAP12GAPC3	Protection,Protection function
-41	MAP12GAPC2	Protection,Protection function
-40	MAP12GAPC1	Protection,Protection function
-39	UEXPDIS2	Protection,Protection function
-37	HAEFPTOC1	Protection,Protection function
-36	UEXPDIS1	Protection,Protection function
-35	WPWDE3	Protection,Protection function
-34	WPWDE2	Protection,Protection function
-33	WPWDE1	Protection,Protection function
-32	LSHDPFRQ8	Protection,Protection function
-31	LSHDPFRQ7	Protection,Protection function
-30	PHDSTPDIS1	Protection,Protection function
-29	TR3PTDF1	Protection,Protection function
-28	HICPDIF1	Protection,Protection function
-27	HIBPDIF1	Protection,Protection function
-26	HIAPDIF1	Protection,Protection function
-25	OEPVPH4	Protection,Protection function
-24	OEPVPH3	Protection,Protection function
-23	OEPVPH2	Protection,Protection function
-22	OEPVPH1	Protection,Protection function
-19	PSPTOV2	Protection,Protection function
-18	PSPTOV1	Protection,Protection function
-15	PREVPTOC1	Protection,Protection function
-13	PHPTUC3	Protection,Protection function

-12	PHPTUC2	Protection,Protection function
-11	PHPTUC1	Protection,Protection function
-10	LVRTPTUV1	Protection,Protection function
-9	PHIZ1	Protection,Protection function
-8	LVRTPTUV2	Protection,Protection function
-7	INTRPTEF1	Protection,Protection function
-6	LVRTPTUV3	Protection,Protection function
-5	STTPMSU1	Protection,Protection function
-4	MREFPTOC1	Protection,Protection function
-3	JAMPTOC1	Protection,Protection function
-2	PHCPTUV1	Protection,Protection function
-1	PHBPTUV1	Protection,Protection function
0	Unknown	Protection,Protection function
1	PHLPTOC1	Protection,Protection function
2	PHLPTOC2	Protection,Protection function
3	PHLPTOC3	Protection,Protection function
5	PHLTPTOC1	Protection,Protection function
6	PHHPTOC1	Protection,Protection function
7	PHHPTOC2	Protection,Protection function
8	PHHPTOC3	Protection,Protection function
9	PHHPTOC4	Protection,Protection function
10	PHHPTOC5	Protection,Protection function
11	PHHPTOC6	Protection,Protection function
12	PHIPTOC1	Protection,Protection function
13	PHIPTOC2	Protection,Protection function
14	MFADPSDE1	Protection,Protection function
17	EFLPTOC1	Protection,Protection function
18	EFLPTOC2	Protection,Protection function
19	EFLPTOC3	Protection,Protection function
20	EFLPTOC4	Protection,Protection function
22	EFHPTOC1	Protection,Protection function
23	EFHPTOC2	Protection,Protection function
24	EFHPTOC3	Protection,Protection function
25	EFHPTOC4	Protection,Protection function
26	EFHPTOC5	Protection,Protection function
27	EFHPTOC6	Protection,Protection function
28	EFHPTOC7	Protection,Protection function
29	EFHPTOC8	Protection,Protection function
30	EFIPTOC1	Protection,Protection function
31	EFIPTOC2	Protection,Protection function
32	EFIPTOC3	Protection,Protection function
35	NSPTOC1	Protection,Protection function

36	NSPTOC2	Protection,Protection function
37	NSPTOC3	Protection,Protection function
38	NSPTOC4	Protection,Protection function
41	PDNSPTOC1	Protection,Protection function
44	T1PTTR1	Protection,Protection function
45	T1PTTR2	Protection,Protection function
46	T2PTTR1	Protection,Protection function
48	MPTTR1	Protection,Protection function
50	DEFLPDEF1	Protection,Protection function
51	DEFLPDEF2	Protection,Protection function
52	DEFLPDEF3	Protection,Protection function
53	DEFHPDEF1	Protection,Protection function
54	DEFHPDEF2	Protection,Protection function
56	EFPADM1	Protection,Protection function
57	EFPADM2	Protection,Protection function
58	EFPADM3	Protection,Protection function
59	FRPFRQ1	Protection,Protection function
60	FRPFRQ2	Protection,Protection function
61	FRPFRQ3	Protection,Protection function
62	FRPFRQ4	Protection,Protection function
63	FRPFRQ5	Protection,Protection function
64	FRPFRQ6	Protection,Protection function
65	LSHDPFRQ1	Protection,Protection function
66	LSHDPFRQ2	Protection,Protection function
67	LSHDPFRQ3	Protection,Protection function
68	LSHDPFRQ4	Protection,Protection function
69	LSHDPFRQ5	Protection,Protection function
70	LSHDPFRQ6	Protection,Protection function
71	DPHLPDOC1	Protection,Protection function
72	DPHLPDOC2	Protection,Protection function
74	DPHHPDOC1	Protection,Protection function
75	DPHHPDOC2	Protection,Protection function
77	MAPGAPC1	Protection,Protection function
78	MAPGAPC2	Protection,Protection function
79	MAPGAPC3	Protection,Protection function
80	MAPGAPC4	Protection,Protection function
81	MAPGAPC5	Protection,Protection function
82	MAPGAPC6	Protection,Protection function
83	MAPGAPC7	Protection,Protection function
84	MAPGAPC8	Protection,Protection function
85	MNSPTOC1	Protection,Protection function
86	MNSPTOC2	Protection,Protection function

88	LOFLPTUC1	Protection,Protection function
89	LOFLPTUC2	Protection,Protection function
90	TR2PTDF1	Protection,Protection function
91	LNPLDF1	Protection,Protection function
92	LREFPNDF1	Protection,Protection function
93	LREFPNDF2	Protection,Protection function
94	MPDIF1	Protection,Protection function
96	HREFPDIF1	Protection,Protection function
97	HREFPDIF2	Protection,Protection function
98	MHZPDIF1	Protection,Protection function
100	ROVPTOV1	Protection,Protection function
101	ROVPTOV2	Protection,Protection function
102	ROVPTOV3	Protection,Protection function
103	ROVPTOV4	Protection,Protection function
104	PHPTOV1	Protection,Protection function
105	PHPTOV2	Protection,Protection function
106	PHPTOV3	Protection,Protection function
107	PHPTOV4	Protection,Protection function
108	PHPTUV1	Protection,Protection function
109	PHPTUV2	Protection,Protection function
110	PHPTUV3	Protection,Protection function
111	PHPTUV4	Protection,Protection function
112	NSPTOV1	Protection,Protection function
113	NSPTOV2	Protection,Protection function
114	NSPTOV3	Protection,Protection function
115	NSPTOV4	Protection,Protection function
116	PSPTUV1	Protection,Protection function
117	PSPTUV2	Protection,Protection function
118	ARCSARC1	Protection,Protection function
119	ARCSARC2	Protection,Protection function
120	ARCSARC3	Protection,Protection function

8.2.6 ABBIED600_Rev1_PolarizingQuantityKind

Value	Description	Remarks
-1	Zro vol.OR cur.	Pol quantity,Reference quantity used to determine fault direction
1	None	Pol quantity,Reference quantity used to determine fault direction,Self pol
2	Zero Sequence Current	Pol quantity,Reference quantity used to determine fault direction,Zero seq. cur.
3	Zero Sequence Voltage	Pol quantity,Reference quantity used to determine fault direction,Zero seq. volt.
4	Negative Sequence Volt-age	Pol quantity,Reference quantity used to determine fault direction,Neg. seq. volt.
5	Phase to Phase Voltages	Pol quantity,Reference quantity used to determine fault direction,Cross pol

6	Phase to Ground Voltages	Pol quantity, Reference quantity used to determine fault direction, Ph-to-gnd volt.
7	Positive sequence voltage	Pol quantity, Reference quantity used to determine fault direction, Pos. seq. volt.

8.2.7 ABBIED600_Rev2_AutoReclosingKind

Value	Description	Remarks
-1	Not defined	STATUS,AR status signal for IEC61850
1	Ready	STATUS,AR status signal for IEC61850
2	InProgress	STATUS,AR status signal for IEC61850
3	Successful	STATUS,AR status signal for IEC61850
4	WaitingForTrip	STATUS,AR status signal for IEC61850
5	TripFromProtection	STATUS,AR status signal for IEC61850
6	FaultDisappeared	STATUS,AR status signal for IEC61850
7	WaitToComplete	STATUS,AR status signal for IEC61850
8	CBclosed	STATUS,AR status signal for IEC61850
9	CycleUnsuccessful	STATUS,AR status signal for IEC61850
10	Unsuccessful	STATUS,AR status signal for IEC61850
11	Aborted	STATUS,AR status signal for IEC61850

9 Control Block Extensions

None



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