

# Conformance test register of IEC 60870-5 tested equipment



<u>MANUFACTURER</u>	<u>COUNTRY</u>	<u>PRODUCT VERSION</u>	<u>PROTOCOL TYPE<sup>1</sup></u>	<u>ATTESTATION DATE</u>
ABB Energie B.V.	Netherlands, Rotterdam	ABB MicroScada, master version 8.4.2	IEC 60870-5-101 Master Unbalanced	8 <sup>th</sup> Oct.1999
ABB Energie B.V.	Netherlands, Rotterdam	ABB RTU211, slave version 2.17	IEC 60870-5-101 Slave Unbalanced	31 <sup>st</sup> March 2000
ABB Industri AS	Norway, Oslo			
ABB Substation Automation Oy	Finland, Vaasa	ABB SPA –PCCS103 Gateway	IEC 60870-5-103 Slave Unbalanced	1 <sup>st</sup> May 1999
ABB Substation Automation Oy	Finland, Vaasa	Multi Purpose Protection Relay REJ 525, version 5.00	IEC 60870-5-103 Slave Unbalanced	5 <sup>th</sup> May 2000
ABB Substation Automation Oy	Finland, Helsinki	MicroSCADA Pro SYS 600, 9.3 FP2	IEC 60870-5-104 (controlled station)	28 <sup>th</sup> Nov. 2011
ABB Substation Automation Oy	Finland, Helsinki	MicroSCADA Pro SYS 600, 9.3 FP2	IEC 60870-5-104 (controlling station)	28 <sup>th</sup> Nov. 2011
ABB Systemen	Netherlands, Rotterdam	Advant Controller multi vendor interface CI535 (version 1.2)	IEC 60870-5-103 Master Unbalanced Single node	3 <sup>rd</sup> Nov. 1997
ABB Systemen B.V.	Netherlands, Rotterdam	ABB Advant Controller multi vendor Interface AC400, version 3.2-0	IEC 60870-5-103 Master Unbalanced Multi node	19 <sup>th</sup> April 1999
ABB Utilities AB	Sweden, Västerås	Network Manager 3.7	IEC 60870-5-104 (controlling station)	7 <sup>th</sup> Jan. 2009
ABB Utilities AB	Sweden, Västerås	ABB SPIDER <sup>™</sup> , release 9.3; Type: SK_D4, Vers.: 2 May 02 13:11:39	IEC 60870-5-104 (controlling station)	10 <sup>th</sup> May 2002
ABB Utilities AB	Sweden, Västerås	ABB SPIDER <sup>™</sup> , release 11.3; Compilation date:27-8-03 Vers.: 2.0	IEC 60870-5-104 (controlling station)	4 <sup>th</sup> Sep. 2003
ABB Utilities AS	Norway, Oslo	ABB PCU400 gateway V. 3.0.1 60870-5-101/104 RTU master Feb. 10 15.32.52	IEC 60870-5-104 (Controlling station)	10 <sup>th</sup> Feb. 2006
ABB Utilities AS	Norway, Oslo	ABB PCU400 gateway V. 3.0.1 60870-5-101/104 RTU emulator Feb 9 13.16.53	IEC 60870-5-104 (Controlled station)	9 <sup>th</sup> Feb. 2006

<sup>1</sup> Not all protocol functions are implemented and tested. Please contact DNV KEMA for the details.

# Conformance test register of IEC 60870-5 tested equipment



ABB AB	Sweden, Västerås	REC 650 Product version 1.1.0 Firmware version 1.1.0.14	IEC 60870-5-103 Slave Unbalanced	1 <sup>st</sup> Nov. 2010
ABB AS	Norway, Oslo	RTU560 Release 9.8, build 1	IEC 60870-5-104 (Controlling station)	12 <sup>th</sup> April 2010
ABB AS	Norway, Oslo	RTU560 Release 9.8, build 1	IEC 60870-5-104 (Controlled station)	12 <sup>th</sup> April 2010
ABB	Germany, Minden	PCU400 X37, version 3.2.6 60870-5-101/104 RTU Emulator Comp. Date Nov. 3, 2010	IEC 60870-5-104 (Controlled station)	24 <sup>th</sup> Nov. 2010
ABB S.A.	Portugal, Paço de Arcos	RTU560 Firmware version: v10.4.2.0	IEC 60870-5-104 (Controlled station)	26 <sup>th</sup> March 2012
ADtranz DaimlerChrysler Rail Systems GmbH	Germany, Frankfurt	ADtranz LTS2000, version LTSU_C.h14-5	IEC 60870-5-101 Slave Unbalanced	14 <sup>th</sup> Oct. 1999
AiLux srl	Italy, Brescia	RTU32B-104 IEC 104 Application software version: RTU32B-104 ver 5_0_0_09	IEC 60870-5-104 (Controlled station)	6 <sup>th</sup> Nov. 2012
Aker Kvaerner Elektro A/S	Norway, Stord	Aker Kvaerner Elektro A/S Controlled station Version 1; 18 January 03	IEC 60870-5-104 (Controlled station)	5 <sup>th</sup> May 2003
ALSTOM	France, Clamart (Paris)	Alspa 8000-P320 cs System Type: P1200 NT RTU CS101, version V.1	IEC 60870-5-101 Slave Unbalanced	15 <sup>th</sup> April 1999
ALSTOM Contracting BV  Schneider Automation GmbH	Netherlands, Hoofddorp  Germany, Seligenstadt	ALSTOM CARS-RTU, version 1.0	IEC60870-5-101 Slave Unbalanced	10 <sup>th</sup> Feb. 1999
ALSTOM Contracting BV ALSTOM GmbH	Netherlands, Hoofddorp Germany, Frankfurt	ALSTOM Front End Processor (FEP), version verarb V2.03	IEC 60870-5-101 Balanced (controlling station)	10 <sup>th</sup> Feb. 1999
ALSTOM ERE D	France, Massy (Paris)	ALSTOM EMP, CFE, v2.1, product number D357118-IEC1-A	IEC 60870-5-101 Master Unbalanced	28 <sup>th</sup> April 1999
Alstom Grid	France, Montpellier	SAS GTW IEC61850 Version V6.2	IEC60870-5-101 Slave Unbalanced	27 <sup>th</sup> Sept. 2011
Alstom Grid	France, Montpellier	SAS GTW IEC61850 Version V6.2	IEC60870-5-104 (controlled station)	27 <sup>th</sup> Oct. 2011
Alstom Grid	France, Montpellier	DS Agile GTW IEC 104 Application software version: Gtw- 7.2.0	IEC60870-5-104 (controlled station)	7 <sup>th</sup> Jan. 2014

# Conformance test register of IEC 60870-5 tested equipment



Alstom Grid	France, Montpellier	DS Agile GTW IEC 104 Application software version: Gtw-7.2.0	IEC 60870-5-101 Balanced (controlled station)	7 <sup>th</sup> Jan. 2014
Alstom Grid	France, Montpellier	DS Agile GTW IEC 104 Application software version: Gtw-7.2.0	IEC60870-5-101 Slave Unbalanced	7 <sup>th</sup> Jan. 2014
Alstom Power	France, Massy (Paris)	ALSPA P320 CSS-G gateway Version: CSS-G IEC104 version 11.5	IEC60870-5-104 (controlled station)	23 <sup>rd</sup> May 2005
Alstom Power	France, Massy (Paris)	ALSPA P320 CSS-F gateway Software ID: P320 Protocols translator VLM CSSF VL6.1504	IEC60870-5-104 (controlling station)	23 <sup>rd</sup> May 2005
Alstom Power	France, Massy (Paris)	CSS-G IEC60870-5-104 Version 62.2 (September 10, 2010)	IEC60870-5-104 (controlled station)	21 <sup>st</sup> Sep. 2010
Alstom Vannkraft AS	Norway, Oslo	CSS-UG gateway IEC60870-5-104 V3.4.37	IEC60870-5-104 (controlled station)	9 <sup>th</sup> July 2009
Alstom Vannkraft AS	Norway, Oslo	CSS-UG gateway IEC60870-5-104 V3.4.37	IEC60870-5-104 (controlling station)	9 <sup>th</sup> July 2009
Alstom Vannkraft AS	Norway, Oslo	CSS-UG gateway IEC60870-5-104 V3.4.37	IEC60870-5-104 Mediator	9 <sup>th</sup> July 2009
Alstom T&D Protection & Control	France, Lattes	SPACE2000 version J4.57, Gateway TET101 version V3.04	IEC 60870-5-101 Slave Unbalanced	24 <sup>th</sup> Jan. 2002
Alstom T&D Protection & Control	France, Lattes	PACIS Gateway version V0.18, IEC101 version V3A5.3	IEC 60870-5-101 Slave Unbalanced	7 <sup>th</sup> April 2003
ALSTOM T&D, EAI	France, Massy (Paris)	S900 RTU with software version(s): S9_AP_RTU.EMR/MA@FRA /I13;S9_AP_ANG.EMR/MA @ANG/I13;S9_AP_ALL.EM R/MA@ALL/I13	IEC 60870-5-101 Balanced (controlled station)	5 <sup>th</sup> June 2003
Arteche S.A.	Spain, Mungia (Vizcaya)	Smart SID, firmware version v2.2.1	IEC 60870-5-104 (Controlled station)	10 <sup>th</sup> Dec. 2010
Arteche S.A.	Spain, Mungia (Vizcaya)	SmART P500 Firmware version: v2.49.195 Software version: v2.02.18	IEC 60870-5-104 (Controlled station)	28 <sup>th</sup> Dec. 2011
Arteche S.A.	Spain, Mungia (Vizcaya)	SmART AUT Firmware version: v1.01	IEC 60870-5-104 (Controlled station)	26 <sup>th</sup> March 2012

# Conformance test register of IEC 60870-5 tested equipment



Beijer Electronics Automation AB	Sweden, Malmö	Melsec PLC, software version Q12_IEC104_080213	IEC 60870-5-104 (controlled station)	19 <sup>th</sup> Feb. 2008
Brodersen Controls	Denmark, Roskilde	RTU32, firmware version: 1.21	IEC 60870-5-104 (controlling station)	15 <sup>th</sup> June 2007
CG Power Systems Ireland Limited	Ireland, Dublin	SmartBay IEC firmware version 2.07, device rev. MP02	IEC 60870-5-104 (controlled station)	30 <sup>th</sup> July 2012
CS Romania SA	Romania, Craiova	RxDataGateway IEC Application software version 3.0.0	IEC 60870-5-104 (controlled station)	28 <sup>th</sup> June 2011
Datawatt	Netherlands, Wolvega	D23-UNAC version 1.03	IEC 60870-5-101 Slave Unbalanced	23 <sup>rd</sup> June 1998
Datawatt	Netherlands, Steenwijk	D05-MRTU IEC 104 Application software version: 4.103	IEC 60870-5-104 (Controlled station)	17 <sup>th</sup> Jan. 2014
Endesa network factory	Spain, Barcelona	Próxima Modelo: C48-01-C01-01 Software version: 2.1	IEC 60870-5-104 (Controlled station)	27 <sup>th</sup> April 2009
EFACEC	Portugal, Moreira de Maia	Smart Gate – 104 module version v1	IEC 60870-5-104 (Controlled station)	30 <sup>th</sup> Oct. 2009
EFACEC	Portugal, Moreira de Maia	SCATEX – FE500 firmware version 4.4.0Bta	IEC 60870-5-104 (Controlling station)	28 <sup>th</sup> May 2010
EFACEC	Portugal, Moreira de Maia	MicroURR Software version: 3.9.0 Module version: 2.0.0	IEC 60870-5-104 (Controlled station)	20 <sup>th</sup> Dec. 2011
Emerson Process Management	USA, Pittsburg	Ovation – Ethernet Link Controller Software version: 2.0.0	IEC 60870-5-101 Master Unbalanced	9 <sup>th</sup> April 2012
Emerson Process Management	USA, Pittsburg	Ovation – Ethernet Link Controller Software version: 2.0.0	IEC 60870-5-104 (Controlled station)	3 <sup>rd</sup> May 2012
GE Energy Management Services	USA, Melbourne, FL	XA-21 EMS Build 61.x	IEC 60870-5-101 Master Unbalanced	17 <sup>th</sup> Dec. 2004
GE Energy Services	Canada	D20ME processor card with D25 IED and D200 card, version 8.03	IEC 60870-5-101 Slave Unbalanced	31 <sup>st</sup> July 2002
GE Energy Services	Canada	D25 Multifunction IED and D20ME processor card for D20/D200, version: - IEC60870-5-101/104 DPA (A101-0 V8.31) - IEC60870-5-104 Data Link(B086-0 V1.10)	IEC 60870-5-104 (Controlled station)	12 <sup>th</sup> Jan. 2004

# Conformance test register of IEC 60870-5 tested equipment



GE Energy	Canada, Alberta	GE D400 Version: 200.010	IEC 60870-5-104 (Controlling station)	7 <sup>th</sup> April 2009
GE Power Management S.A.	Spain, Vizcaya	CCU1000 Firmware version: v5.8	IEC 60870-5-104 (Controlled station)	13 <sup>th</sup> April 2012
Helmutt Mauell BV Mauell Weida GmbH	Netherlands, Harderwijk Germany, Weida Am Rosenhügel	Mauell CARS-B4, version 6-10-1998	IEC 60870-5-101 Balanced (controlled station)	8 <sup>th</sup> Oct. 1998
Imtech Systems	Netherlands, 's Hertogenbosch	Nimbus DEX, version 1.07	IEC 60870-5-101 Balanced (controlled station)	22 <sup>th</sup> Jan. 2002
Imtech Systems	Netherlands, Eindhoven	Field GC DAS version 3.0	IEC 60870-5-101 Balanced (controlled station)	22 <sup>th</sup> Feb. 2005
Ingeteam Transmission & Distribution S.A.	Spain, Basauri (Vizcaya)	UCS-IH, model Model: IH2008 Firmware version IH 2101 "K"	IEC 60870-5-104 (Controlled station)	5 <sup>th</sup> March 2009
Ingeteam Transmission & Distribution S.A.	Spain, Basauri (Vizcaya)	PL70 Model SC Firmware version A-F5EC	IEC 60870-5-104 (Controlled station)	21 <sup>st</sup> Oct. 2009
Ingeteam Transmission & Distribution S.A.	Spain, Basauri (Vizcaya)	Sisteam A Firmware version BL0155V.L	IEC 60870-5-104 (Controlled station)	17 <sup>th</sup> Dec 2009
Ingeteam Transmission & Distribution S.A.	Spain, Basauri (Vizcaya)	TCP-C Model IH2001 Firmware version IH 210x "O"	IEC 60870-5-104 (Controlled station)	16 <sup>th</sup> Dec. 2010
Ingeteam Technology, S.A.	Spain, Basauri (Vizcaya)	PL70 RC Firmware version: IC3907	IEC 60870-5-104 (Controlled station)	28 <sup>th</sup> Dec. 2011
Ingeteam Technology, S.A.	Spain, Basauri (Vizcaya)	PL70 SC Firmware version: IC3907	IEC 60870-5-104 (Controlled station)	28 <sup>th</sup> Dec. 2011
Ingeteam Technology, S.A.	Spain, Basauri (Vizcaya)	PL70 RSF Firmware version: IC3907-06	IEC 60870-5-104 (Controlled station)	18 <sup>th</sup> Feb. 2012
Ingeteam Technology, S.A.	Spain, Basauri (Vizcaya)	PL70 CTU Firmware version: IC3907-06	IEC 60870-5-104 (Controlled station)	18 <sup>th</sup> Feb. 2012
Ingeteam Technology S.A.	Spain, Zamudio (Vizcaya)	INGEPAC DA IEC 104 Application software version: 0.0.0.26 104S	IEC 60870-5-104 (Controlled station)	6 <sup>th</sup> Aug. 2013
Ingeteam Technology S.A.	Spain, Zamudio (Vizcaya)	INGESAS IC3 RTU IEC104 Application version: ZY8360D	IEC 60870-5-104 (Controlled station)	23 <sup>rd</sup> Sep. 2013

# Conformance test register of IEC 60870-5 tested equipment



IPCOMM GmbH	Germany, Erlangen	IpConv, software module version no. 3.2, version date: 19 February 2008	IEC 60870-5-104 (controlled station)	22 <sup>nd</sup> Feb. 2008
IPCOMM GmbH	Germany, Erlangen	IpConv, software module version no. 3.2, version date: 28 April 2011	IEC 60870-5-101 Balanced (controlled station)	29 <sup>th</sup> April 2011
IPCOMM GmbH	Germany, Erlangen	IpConv, software module version no. 3.2, version date: 28 April 2011	IEC 60870-5-101 Slave Unbalanced	29 <sup>th</sup> April 2011
Končar - Power Plant and Electric Traction Engineering Inc.	Croatia, Zagreb	KKUIEC Communication Converter Version 2.0	IEC 60870-5-104 (Controlled station)	16 <sup>th</sup> July 2010
Končar - Power Plant and Electric Traction Engineering Inc.	Croatia, Zagreb	KKUIEC Communication Converter Version 2.0	IEC 60870-5-101 Master Unbalanced	16 <sup>th</sup> July 2010
LACROIX Sofrel	France, Vern Sur Seiche	S550, version 3.50.10	IEC 60870-5-104 (Controlled station)	18 <sup>th</sup> Sep. 2009
Locamation Control Systems B.V. Cruickshanks Limited	Netherlands, Enschede UK, Aberdeenshire	SAS 2000	IEC 60870-5-101 Slave Unbalanced	21 <sup>st</sup> Sep. 2000
Logica Australia	Australia, Sydney	Logica MD1000 RTU, Version: V1.0.0; IEC101 driver, Version: Lib 2.11-195	IEC 60870-5-101 Balanced (controlled station)	3 <sup>rd</sup> July 2002
Logica Australia	Australia, Sydney	Logica MD1000 RTU, Version: V1.0.0; IEC101 driver, Version: Lib 2.11-195	IEC 60870-5-101 Slave Unbalanced	3 <sup>rd</sup> July 2002
Londelec UK Ltd	UK, Banbury	LEANDC-2/3 IEC 104 Application software version: 2.03	IEC 60870-5-104 (controlled station)	12 <sup>th</sup> Dec. 2013
Microsol Ltd.	Ireland, Dublin	Microsol Xcell RTU	IEC 60870-5-101 Slave Unbalanced	18 <sup>th</sup> July 1999
Mitsubishi Electric Corporation	Japan, Kobe	MR4000E IEC Application software version 3.0 (Build 15436)	IEC 60870-5-101 Slave Unbalanced	30 <sup>th</sup> May 2013
Natcon7	Germany, Hamburg	CIF-104 (Customer Interface IEC 60870-5-104 to Nordex Control 2) V1.0.0.0	IEC 60870-5-104 (controlled station)	5 <sup>th</sup> Nov. 2012
N.V. Nederlandse Gasunie	The Netherlands, Groningen	Gasunie DAS, versie V3.00	IEC 60870-5-101 Balanced (controlled station)	10 <sup>th</sup> Feb. 1999
Netcontrol	Finland, Helsinki	Netcon@NUC104	IEC 60870-5-104 (controlled station)	26 <sup>th</sup> Aug. 2005



# Conformance test register of IEC 60870-5 tested equipment



Netcontrol Oy	Finland, Helsinki	Netcon@NFE NUC104 Controlled, software module version no. 1.00	IEC 60870-5-104 (controlled station)	11 <sup>th</sup> May, 2007
Netcontrol Oy	Finland, Helsinki	Netcon@NFE NUC104 Controlling, software module version no. 1.00	IEC 60870-5-104 (controlling station)	11 <sup>th</sup> May, 2007
Netcontrol Oy	Finland, Helsinki	Netcon@ NFE IEC 104 Controlled Release 2.04	IEC 60870-5-104 (controlled station)	24 <sup>th</sup> Sep. 2010
Nucleo de Comunicaciones y Control, S.L.	Spain, Alcobendas	Elicel-5000 (Elitel-5000) Firmware version: Cod.13850335	IEC 60870-5-104 (Controlled station)	16 <sup>th</sup> Feb. 2009
Ormazabal	Spain, Igorre (Vizcaya)	EkorCCP Firmware version 5.67	IEC 60870-5-104 (Controlled station)	4 <sup>th</sup> Nov. 2008
Ormazabal	Spain, Igorre (Vizcaya)	EkorCCP+ Firmware version 5.70	IEC 60870-5-104 (Controlled station)	10 <sup>th</sup> Dec. 2010
Ormazabal	Spain, Igorre (Vizcaya)	EkorRCI-IP Firmware version v.37	IEC 60870-5-104 (Controlled station)	10 <sup>th</sup> Dec. 2010
Ormazabal	Spain, Igorre (Vizcaya)	RCI RTU IEC 104 Application software version: V587	IEC 60870-5-104 (Controlled station)	14 <sup>th</sup> May 2013
RESUL – Equipamentos de Energia, S.A.	Portugal, Bobadela	HORTON HAI-HDP1000- 1 Software version: v2.0 CS104 Module: processIEC104 v1.5	IEC 60870-5-104 (Controlled station)	6 <sup>th</sup> June 2012
Ronan Engineering Company	USA, Woodland Hills, CA	X500F SER IEC870 producer product/software version: 1.0 B13	IEC 60870-5-104 (controlling station)	17 <sup>th</sup> Feb. 2004
Ronan Engineering Company	USA, Woodland Hills, CA	X501 NET MULTIPLEXER software version: 1.3	IEC 60870-5-104 (controlled station)	29 <sup>th</sup> July 2004
RTSoft	Russia, Protvino, Moscow region	TeleMonitoRex Gateway Software Version V2-01	IEC 60870-5-104 (controlled station)	23 <sup>rd</sup> March 2004
RTSoft	Russia, Protvino, Moscow region	RTSoft Smart-FEP	IEC 60870-5-101 (controlling station)	6 <sup>th</sup> May 2005
SAC	Spain, Madrid	XBU – IB, firmware version 2010 v.10	IEC 60870-5-104 (Controlled station)	19 <sup>th</sup> Oct 2010
SAC	Spain, Madrid	UCS 61850-E3, firmware version 2011 v1.0	IEC 60870-5-104 (Controlled station)	22 <sup>nd</sup> July 2011
Scanmatic	Norway, Staubø	SM 504x Version 2.11	IEC 60870-5-104 (controlled station)	9 <sup>th</sup> Sep. 2003
Scanmatic	Norway, Staubø	SM 504x Version 3.2.2	IEC 60870-5-104 (controlling station)	7 <sup>th</sup> May. 2004

# Conformance test register of IEC 60870-5 tested equipment



Scanmatic	Norway, Staubø	Hidacs Com Version 6.1	IEC 60870-5-104 (controlled station)	2 <sup>nd</sup> June 2004
Scanmatic	Norway, Staubø	Hidacs Com Version 6.1	IEC 60870-5-104 (controlling station)	2 <sup>nd</sup> June 2004
Schneider Electric	France, Beynost	W315/W320E Version 2.02	IEC 60870-5-101 Slave Balanced	15 <sup>th</sup> Oct. 2008
Schneider Electric / Sorhodel Bardin	France, Saint Priest Cedex	W315-S, software module version no. 2.03	IEC 60870-5-104 (controlled station)	25 <sup>th</sup> May, 2007
Schneider Electric	France, Beynost	Easergy T200I, firmware version v0.99A	IEC 60870-5-104 (Controlled station)	11 <sup>th</sup> Nov. 2009
Schneider Electric	France, Beynost	Easergy T200I, firmware version v1.00	IEC 60870-5-104 (Controlled station)	13 <sup>th</sup> May 2011
Schneider Electric	France, Lattes	MiCOM/PACiS GTW (version 4) IEC 104 Application software version: 5.B.0.11	IEC 60870-5-104 (Controlled station)	14 <sup>th</sup> June 2012
Schneider Electric	France, Lattes	MiCOM/PACiS GTW (version 4) IEC 101 Application software version: 6.H.0.8	IEC 60870-5-101 Slave Unbalanced	12 <sup>th</sup> Nov. 2012
Schneider Electric	France, Lattes	MiCOM/PACiS C264 IEC 104 Application software version: B8.10	IEC 60870-5-104 (Controlled station)	10 <sup>th</sup> July 2012
Schneider Electric	France, Lattes	MiCOM/PACiS C264 IEC 104 Application software version: B8.13	IEC 60870-5-101 Slave Unbalanced	8 <sup>th</sup> Oct. 2012
Schneider Electric	Canada, Kanata – Ontario	ClearSCADA IEC Application software version: 2010 r3, build number 4533	IEC 60870-5-104 (controlling station)	4 <sup>th</sup> June 2012
Schneider Electric	Canada, Kanata – Ontario	SCADAPack E Series 330EIEC Application software version: 8.04.1347	IEC 60870-5-104 (controlled station)	4 <sup>th</sup> June 2012
Schneider Electric	Canada, Kanata – Ontario	SCADAPack E Series 330E IEC Application software version: 8.04.1347	IEC 60870-5-101 Slave Unbalanced	4 <sup>th</sup> June 2012
Schneider Electric	Canada, Kanata - Ontario	ClearSCADA IEC Application software version: 2010 r3, build number 4533	IEC 60870-5-101 Master Unbalanced	6 <sup>th</sup> June 2012
Schneider Electric	Canada, Kanata – Ontario	SCADAPack E Series 330E IEC Application software version: 8.04.1347	IEC 60870-5-101 Slave Balanced	10 <sup>th</sup> Oct. 2012



# Conformance test register of IEC 60870-5 tested equipment



Schneider Electric	Canada, Kanata – Ontario	ClearSCADA IEC Application software version: 2010 r3, build number 72.4644	IEC 60870-5-101 Master Balanced	10 <sup>th</sup> Oct. 2012
Schneider Electric	France, Lyon	Easergy T200P Firmware version: 01.0400.02	IEC 60870-5-104 (Controlled station)	18 <sup>th</sup> April 2012
Siemens	Germany, Karlsruhe	CM104 T2000 S5	IEC 60870-5-104 (controlled station)	25 <sup>th</sup> Jan. 2007
Siemens Power Transmission & Distribution	England, Manchester	SICAM MCP Firmware Version: V4.01	IEC 60870-5-101 Slave Unbalanced	25 <sup>th</sup> Nov. 2002
Siemens AG	Germany, Berlin	SETRON T 7KG9661 Firmware version V01.10.03.01	IEC 60870-5-103 Slave Unbalanced	21 <sup>st</sup> Jan. 2010
Siemens AG	Germany, Berlin	SICAM MMU 7KG9663 Version V02 Software version: V02.00.08	IEC 60870-5-104 (controlled station)	25 <sup>th</sup> Apr. 2013
Siemens AG	Germany, Berlin	SIPROTEC 5 7SL87 V2 IEC60870-5-103 protocol firmware V2	IEC 60870-5-103 Slave Unbalanced	17 <sup>th</sup> Dec. 2012
Siemens AG	Germany, Karlsruhe	SPPA-T3000 IEC Application software version 04.32.01	IEC 60870-5-104 (controlled station)	6 <sup>th</sup> Oct. 2010
Siemens AG	Germany, Karlsruhe	SPPA-T3000 IEC Application software version 04.32.01	IEC 60870-5-104 (controlling station)	6 <sup>th</sup> Oct. 2010
Siemens AG	Germany, Karlsruhe	SPPA-T3000 IEC Application software version 05.19.05	IEC 60870-5-104 (controlled station)	27 <sup>th</sup> May 2011
Siemens AG	Germany, Karlsruhe	SPPA-T3000 IEC Application software version 05.19.05	IEC 60870-5-104 (controlling station)	27 <sup>th</sup> May 2011
Siemens AG	Germany, Karlsruhe	SPPA-T3000 IEC Application software version 05.19.05	IEC 60870-5-101 Master Balanced	23 <sup>rd</sup> May 2011
Siemens AG	Germany, Karlsruhe	SPPA-T3000 IEC Application software version 05.19.05	IEC 60870-5-101 Slave Balanced	23 <sup>rd</sup> May 2011
Siemens AG	Germany, Karlsruhe	SPPA-T3000 IEC Application software version 05.19.05	IEC 60870-5-101 Master Unbalanced	23 <sup>rd</sup> May 2011
Siemens AG	Germany, Karlsruhe	SPPA-T3000 IEC Application software version 05.19.05	IEC 60870-5-101 Slave Unbalanced	23 <sup>rd</sup> May 2011

# Conformance test register of IEC 60870-5 tested equipment



Siemens AG	Germany, Nürnberg	SICAM PAS Version 7.01 SP1	IEC 60870-5-104 (controlled station)	26 <sup>th</sup> July 2012
Siemens AG	Germany, Nürnberg	SICAM PAS IEC 104 Application software version: V8.01	IEC 60870-5-104 (controlled station)	29 <sup>th</sup> Apr. 2013
Siemens AG	Germany, Fuerth	SIPLUS RIC (CPU 315-2 PN/DP V3.2) IEC 104 Application software version: S7IEC_S104_31xPN (V1_4 SP1.1)	IEC 60870-5-104 (controlled station)	22 <sup>nd</sup> March 2013
Siemens Wind Power	Denmark, Brande	WPS 104 Slave version 1.4.0.0	IEC 60870-5-104 (controlled station)	31 <sup>st</sup> Aug. 2010
Siemens AG Osterreich	Austria, Viena	TM1703 EMIC Software version: revision 5 (Software module ett0)	IEC 60870-5-104 (Controlled station)	21 <sup>st</sup> July 2012
Sprecher Automation GmbH	Austria, Linz	Sprecon-E-C-5(7), software version 7.00 of 7 may 2004	IEC 60870-5-104 (controlled station)	7 <sup>th</sup> May 2004
Sprecher Automation GmbH	Austria, Linz	Sprecon-E C92 (STC) Firmware version: 8.27b, 16.11.2012	IEC 60870-5-101 Slave Unbalanced	22 <sup>nd</sup> Nov. 2013
Tavrida Electric GmbH	Germany, Tettngang/Tannau	Recloser controller RC/TEL-05E IEC 104 Application software version: V2.51	IEC 60870-5-104 (controlled station)	24 <sup>th</sup> July 2012
Toshiba Corporation	Japan, Tokyo	TOSCAN-G1000 SCADA Version 1.0.0	IEC 60870-5-104 (controlling station)	17 <sup>th</sup> July 2012
Toshiba Corporation	Japan, Tokyo	TOSCAN-G1000 Version 1.0.1	IEC 60870-5-104 (controlling station)	25 <sup>th</sup> Feb. 2013
Toshiba Corporation	Japan, Tokyo	TOSCAN-G1000 Version 1.0.1	IEC 60870-5-101 Master Unbalanced	25 <sup>th</sup> Feb. 2013
VA TECH SAT GmbH & Co.	Austria, Wien	AK 1703, type SM- 2542/TRET00, version 9.01	IEC 60870-5-104 (controlled station)	8 <sup>th</sup> Jan. 2002
Viola Systems Ltd.	Finland, Turku	Arctic Control Firmware version: ACO IEC-104 5.2.6 Application version: RTU2.0 Hardware version: 3.1	IEC 60870-5-104 (controlled station)	29 <sup>th</sup> Oct. 2013
Voith-Siemens	Norway, Trondheim	HyCon Version 2.0	IEC 60870-5-104 (controlled station)	21 <sup>st</sup> June 2006
Voith-Siemens	Norway, Trondheim	HyCon Version 2.0	IEC 60870-5-104 (controlling station)	22 <sup>nd</sup> June 2006

# Conformance test register of IEC 60870-5 tested equipment



Voith Hydro Holding GmbH & Co. KG	Germany, Heidenheim	HyCon System IEC 104 Application software version: V1.0.0 running with controlling station 1.0.14 firmware version	IEC 60870-5-104 (controlling station)	14 <sup>th</sup> June 2013
Voith Hydro Holding GmbH & Co. KG	Germany, Heidenheim	HyCon System IEC 104 Application software version: V1.0.1 running with controlled station 1.0.35 firmware version	IEC 60870-5-104 (controlled station)	5 <sup>th</sup> Aug. 2013
Voith Hydro Holding GmbH & Co. KG	Germany, Heidenheim	HyCon System IEC 104 Application software version: V1.0.0 running with controlled station 1.0.14 firmware version	IEC 60870-5-104 (controlling station)	14 <sup>th</sup> June 2013
Voith Hydro Holding GmbH & Co. KG	Germany, Heidenheim	HyCon System IEC 104 Application software version: V1.0.1 running with controlled station 1.0.35 firmware version	IEC 60870-5-104 (controlled station)	5 <sup>th</sup> Aug. 2013
Wescon Technology, Inc	China, Shanghai	Wescon Protocol Implementation for GE D400 Version 100.013	IEC 60870-5-103 Master Unbalanced	3 <sup>rd</sup> April 2009
Wescon Technology, Inc	China, Shanghai	Wescon Protocol Implementation for GE D400 Version 200.009	IEC 60870-5-101 Master Unbalanced	3 <sup>rd</sup> April 2009
Wescon Technology, Inc	China, Shanghai	Wescon Protocol Implementation for GE D400 Version 200.009	IEC 60870-5-101 Balanced (Controlling station)	3 <sup>rd</sup> April 2009
Wescon Technology, Inc	China, Shanghai	Wescon Protocol Implementation for GE D400 Version 100.029	IEC 60870-5-101 Slave Unbalanced	3 <sup>rd</sup> April 2009
Wescon Technology, Inc	China, Shanghai	Wescon Protocol Implementation for GE D400 Version 100.029	IEC 60870-5-101 Balanced (Controlled station)	3 <sup>rd</sup> April 2009

# Conformance test register of IEC 60870-5 tested equipment



Wescon Technology, Inc	China, Shanghai	Wescon Protocol Implementation for GE D400 Version 100.029	IEC 60870-5-104 (Controlled station)	3 <sup>rd</sup> April 2009
Woodward Kempen GmbH	Germany, Kempen	HighPROTEC MRDT4A0AB Software version 12741	IEC 60870-5-103 Slave Unbalanced	4 <sup>th</sup> April 2011
ZIV P+C, S.A.	Spain, Vizcaya	TCA Firmware version 00.01 – 00.01	IEC 60870-5-104 (Controlled station)	10 <sup>th</sup> Aug 2010
ZIV P+C, S.A.	Spain, Vizcaya	UCS – CPT module CS104 C101104I.dll version 03.02	IEC 60870-5-104 (Controlled station)	10 <sup>th</sup> Nov 2010
ZIV Grid Automation S.L.	Spain, Vizcaya	TCA firmware version 00.02 – 00.02	IEC 60870-5-104 (Controlled station)	31 <sup>st</sup> March 2011
3AO-MP3	Russia, Moscow	MP3-3 L2 (MP3-3 Л2) Product version 2 Firmware version 2.017	IEC 60870-5-104 (Controlled station)	12 <sup>th</sup> June 2013
3AO-MP3	Russia, Moscow	MP3-3 L2 (MP3-3 Л2) Product version 2 Firmware version 2.017	IEC 60870-5-103 Slave Unbalanced	12 <sup>th</sup> June 2013



Look at [www.dnvkema.com/pctc](http://www.dnvkema.com/pctc) or email to [sales@dnvkema.com](mailto:sales@dnvkema.com) for further information.