communications systems and equipment

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LEGEND
✓ Conventional
✘ IEC 61850 Capable
✓✗ Both Conventional & IEC 61850 Capable

SUPPLIERS

PRODUCTS/SERVICES

PRODUCTS/SERVICES	ABB Australia 1300 782 527	ADEA Power Consulting 61 2 9231 1301	Alstom Grid 1300 ALSTOM	Ampcontrol 61 2 4961 9000	Arthur D. Riley 64 4 472 7614	Bri-Tech Pty Ltd 61 8 9270 6200	CABAC Power 1800 769 370	Chase Power 61 7 3822 8000	CSE-Semaphore 61 3 8544 8544	CSE-Uniserve 61 2 8853 4200	EDMI 61 7 3881 6466	Fortinet 61 2 8007 6000	GE 61 3 8807 9600	GE 61 2 9978 8207	IPD Industrial Products 1300 556 601	Maxon Australia 61 2 8707 3000	ndt Equipment Sales 61 2 9524 0558	Power Parameters 61 3 9450 1500	Power Quality Consultants 1800 543 237	Preformed Line Products 61 2 8805 0000	Quasar Systems 64 3 343 9150	RF Industries 61 2 8838 0900	S&C Electric www.sandc.com	SATEC (Australia) 61 2 4774 2959	Schneider Electric 1300 369 233	TE Connectivity 61 2 9554 2600	Thales www.thalesgroup.com.au	TRIO SmartCal 1300 853 407	Warsash Scientific 61 2 9319 0122
Coaxial/Copper Enclosures	✓						✓										✓												
Indoor	✓																			✓									
Overhead																				✓									
Specialist Applications	✓																✓			✓									
Communication Controllers/RTUs	✓✗		✓						✓	✓											✓		✓		✓				
Programmable RTUs	✓✗		✓						✓	✓											✓		✓		✓				
RTU (Modem Combination)	✓✗		✓						✓	✓						✓							✓		✓				
Standard RTUs	✓✗		✓						✓	✓											✓		✓		✓				
Communication Equipment	✓		✓	✓					✓	✓				✓		✓					✓	✓					✓		
Console Servers	✓									✓																			
Ethernet Switches				✓						✓				✓		✓					✓				✓				
SNMP-OPC Server			✓							✓																			
Media Converters										✓				✓							✓								
Modems 3G Serial									✓	✓											✓								
Multiplexers										✓												✓							
Multi-Port Serial Boards										✓				✓		✓													
Routers (3G)										✓						✓					✓								
Servers										✓																			
Substation Gateways	✓		✓		✓					✓				✓		✓					✓								
USB-to-Serial Hubs										✓																			
Communication Systems	✓		✓	✓	✓				✓		✓	✓		✓		✓					✓	✓	✓				✓		
AMR					✓						✓					✓													
Cyber Security Solutions					✓					✓		✓									✓								
Digital Multiplexer	✓									✓				✓															
Ethernet	✓		✓							✓		✓		✓		✓										✓			
Hubs	✓		✓							✓				✓															
Router	✓		✓							✓		✓		✓		✓													
Switches	✓		✓							✓		✓		✓												✓			
Industrial Networks	✓			✓						✓				✓								✓							
IP WAN Network														✓		✓													
Microwave	✓									✓				✓								✓	✓						
Radio										✓				✓									✓						
Licenced										✓												✓							
Licence Free										✓												✓	✓						
Network Management										✓						✓											✓		
Telemetry									✓	✓						✓					✓	✓					✓		
3G Modems											✓					✓					✓								
Radio									✓	✓						✓													
Wireless									✓	✓		✓				✓						✓					✓		
CDMA																✓						✓							
Ethernet									✓	✓	✓	✓				✓													
Serial Servers										✓						✓													
Switches										✓		✓				✓													
GSM									✓	✓	✓	✓				✓						✓							

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Communications Test Equipment																						✓					✓	✓	
Acceptance Testing																						✓						✓	
Commissioning																						✓						✓	
Conformance Testing																						✓						✓	
Fault Diagnosis																						✓						✓	
Network Benchmarking																						✓						✓	
Performance Testing																						✓						✓	
Fibre Optics *(See Fibre Optics page 50)*	✓	✓					✓																					✓	✓
Power Supplies *(See page 19)*							✓	✓											✓			✓						✓	
SCADA			✓						✓	✓			✓			✓					✓			✓	✓		✓		
Telemetry & Control			✓						✓	✓			✓			✓					✓				✓				
RTU's			✓						✓	✓			✓			✓					✓				✓				
DNP3			✓						✓	✓	✓		✓			✓					✓			✓	✓				
IEC 60870			✓						✓	✓			✓												✓				
IEC 61850			✓						✓	✓			✓								✓			✓	✓				
Modbus			✓						✓	✓	✓		✓								✓			✓	✓				
Secure DNP			✓						✓	✓			✓																
SNMP			✓						✓	✓			✓			✓					✓								
Software Monitoring & Control			✓					✓	✓	✓	✓										✓			✓	✓		✓		
Telecommunication Protection	✓			✓											✓	✓						✓				✓	✓		
Powerline Carrier Protection Equipment	✓																												
Surge Protection	✓					✓		✓							✓				✓			✓				✓			
Surge Protection to IEC 61643-21	✓							✓							✓							✓							
Antenna Systems															✓							✓							
Broadband Systems															✓	✓													
Bus/Measuring/Control Equipment															✓														
Data Networks															✓	✓			✓										
Intrinsically Safe Circuits & Bus Systems				✓											✓														
Isolating Spark Gaps															✓														
Telecommunications, Telephony															✓	✓			✓										
Transmitting and Receiving Systems															✓														
Video Systems															✓														
Tele-control	✓									✓															✓				
Telemetering	✓									✓						✓						✓			✓				
Voice Frequency	✓																												
Fibre Optic Interface	✓																												
G703-digital	✓																												
RS422-digital	✓															✓													
Wave Traps	✓																												
Time Synchronisation Devices										✓								✓			✓			✓			✓		
IRIG-B										✓								✓			✓			✓					
Satellite GPS										✓								✓			✓								
Video/Voice Over IP - VoIP										✓																	✓		