protection and control

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

SUPPLIERS

PRODUCTS/SERVICES

PRODUCTS/SERVICES	ABB Australia 61 3 8544 0051	Ampcontrol 61 2 4961 9000	AREVA T&D 61 2 9739 3000	Arthur D. Riley 64 4 472 7614	Bri-Tech 61 8 9270 6200	Chase Power 61 7 3206 1105	Consolidated Pwr Projects 61 8 8291 7800	CSE-Semaphore 61 3 8544 8544	CSE-Uniserve 61 2 8853 4200	DIgSILENT Pacific 61 3 9820 2320	Dynamic Ratings 61 3 9574 7722	EA Technology 61 7 3899 9988	EATON 1300 332 866	Enertel 61 2 9615 9117	HV Automation www.hvautomation.com.au	Martec Asset Solutions 61(0)430 149 665	Maxon Australia 61 2 8707 3000	NOJA Power 61 7 3907 8777	OMICRON electronics 61 3 9466 7655	Quasar Systems 64 3 343 9150	Rod Hughes Consulting 61 8 7127 6357	Schneider Electric 1300 369 233	Siemens 137 222	SMS Omni-feed 1300 662 987	Sunstate Electrical 61 7 3488 0412	SUPREME Tech & Energy Sols 1800 834 991	Toshiba Int'l Corp. 61 2 9768 6688	Tyco Electronics-Crompton 1300 656 090	Warsash Scientific 61 2 9319 0122
Fixed Voltage & Current Detectors	✓					✓																				✓		✓	
Protection Relays			✓✗	✓		✓			✓			✓	✓	✓	✓			✓				✓✗	✓✗			✓	✓		
Accurate Distance to Fault									✓	✓												✓✗	✓✗						
Advisory/Consulting/Specification	✓		✓✗						✓			✓									✓✗		✓✗						
Arc Eliminator	✓								✓	✓													✓✗						
Arc Protection	✓								✓	✓												✓	✓✗						
Auto Reclose	✓✗		✓✗	✓✗		✓			✓	✓			✓		✓			✓				✓✗	✓✗			✓	✓		
Auto Synchronising	✓✗		✓	✓✗		✓			✓	✓			✓		✓			✓					✓✗			✓	✓		
AUX Trip and Timer	✓		✓			✓			✓	✓			✓					✓				✓✗	✓				✓		
Breaker Failure	✓		✓✗			✓			✓	✓					✓			✓				✓✗	✓✗			✓	✓		
Busbar Protection	✓✗		✓✗			✓			✓	✓			✓		✓			✓				✓✗	✓✗			✓	✓		
Capacitor Bank	✓			✓✗		✓			✓	✓				✓	✓							✓✗	✓✗			✓	✓		
Check Synchronising	✓✗		✓✗						✓	✓					✓							✓✗	✓✗			✓	✓	✓	
Collapse Prediction	✓		✓						✓														✓✗			✓	✓		
Current Differential	✓✗		✓✗						✓	✓					✓			✓				✓✗	✓✗			✓	✓		
Digital Distribution	✓✗		✓						✓	✓					✓								✓✗			✓	✓		
Digital Feeder	✓✗		✓						✓	✓					✓			✓					✓✗			✓	✓		
Distance Protection	✓✗		✓✗						✓	✓					✓			✓					✓✗			✓	✓		
Distribution Feeder O/C	✓✗		✓	✓✗					✓	✓					✓			✓				✓✗	✓✗			✓	✓		
Earth Fault Overcurrent	✓✗		✓	✓✗		✓			✓	✓			✓		✓			✓				✓✗	✓✗			✓	✓	✓	
Feeder Management	✓✗		✓✗						✓	✓								✓					✓✗			✓	✓		
Feeder Protection Monitor	✓✗		✓						✓	✓								✓					✓✗			✓	✓		
Generator Protection	✓✗		✓✗	✓✗		✓			✓	✓			✓		✓							✓✗	✓✗			✓	✓	✓	
Generator Excitation	✓✗								✓				✓		✓								✓✗			✓	✓		
High Impedance Feeder Protection	✓✗		✓						✓													✓✗	✓				✓		
Motor Management	✓✗		✓✗						✓	✓			✓		✓								✓✗			✓	✓	✓	
Phase Failure	✓✗		✓						✓				✓		✓			✓				✓✗	✓✗			✓	✓	✓	
Pilot Wire Differential	✓✗		✓						✓														✓✗			✓	✓		
Railway Protection	✓		✓✗												✓								✓✗			✓	✓		
Restricted Earth Fault	✓✗		✓						✓	✓			✓		✓			✓				✓✗	✓✗			✓	✓		
Sensitive Earth Fault	✓✗		✓	✓✗					✓	✓			✓		✓			✓				✓✗	✓✗			✓	✓	✓	
System Protection	✓✗		✓✗						✓	✓			✓										✓✗			✓	✓	✓	
Test Blocks	✓		✓																				✓			✓	✓		
Transformer Differential	✓✗		✓✗	✓✗		✓			✓	✓					✓							✓✗	✓✗			✓	✓		
Volt/Frequency/Overfluxing	✓✗		✓						✓	✓			✓		✓			✓				✓✗	✓✗			✓	✓		
Voltage Selection	✓✗		✓						✓				✓					✓					✓✗			✓	✓		
132kV InterTie Protection-Directional	✓✗		✓✗						✓														✓✗			✓	✓		
Wind Generator Protection	✓✗		✓						✓	✓					✓			✓					✓✗			✓	✓		
Relay Test Equipment									✓						✓				✓							✓			
Silca Gel & Breathers																									✓				
Substation Automation	✓✗		✓✗	✓✗				✓									✓	✓		✓		✓	✓✗			✓			
Control Units	✓✗			✓✗				✓	✓											✓			✓✗			✓			
Field	✓✗			✓✗				✓	✓									✓		✓		✓	✓✗			✓			
Remote	✓✗			✓✗				✓	✓						✓			✓		✓		✓	✓✗			✓			
Station	✓✗			✓✗					✓								✓	✓		✓		✓	✓✗			✓			
Control Room Systems	✓✗								✓											✓			✓✗			✓			
IEC 60870								✓														✓	✓✗						
DNP 3								✓												✓		✓	✓✗						
IEC 61850	✗		✗	✓✗			✓✗		✓						✓						✓✗	✓✗	✓✗			✓			
Engineering Tools	✓✗		✗						✓						✓						✓✗	✓✗	✓✗			✓			
Integration	✓✗		✗				✓✗		✓												✓✗		✓✗			✓			
System Design	✓✗		✗				✓✗		✓												✓✗		✓✗			✓			
Industrial Networks	✓✗		✗						✓														✓✗			✓			
Modems 3G																	✓						✓✗						
Temperature Sensors											✓				✓								✓✗			✓			✓
Time Synchronisation Devices			✓						✓														✓✗			✓			
IRIG-B			✓						✓														✓✗			✓			
Satellite GPS			✓						✓														✓✗			✓			
Voltage Regulators		✓		✓	✓											✓										✓			
Transformers with OLTC		✓		✓	✓											✓										✓			
Transformers in Parallel		✓			✓											✓										✓			
Wildlife Outage Systems					✓													✓							✗	✓			