LOGICAL NODE	LN	A	B	LOGICAL NODE	LN	A	B
System logical nodes LN group L				Current symmetry	PTOC	Y	
Physical device information	LPHD	Y		Voltage symmetry	PTOC	Y	
Logical node zero	LLN0	Y		Over-excitation	PVPH	Y	
Goose subscription	LGOS	Y		Thermal overload	PTTR	Y	
Time management	LTIM	Y		Over frequency	PTOF		
Time master supervision	LTMS	Y		Under frequency	PTUF	Y	
Service tracking	LTRK	Y		Under voltage	PTUV	Y	
				ARC flash detection	PAFD		
Logical nodes for automatic control LN Group A				**Logical nodes for protection related functions LN Group R**			
Reactive power control	ARCO			Disturbance recorder channel analogue	RADR		
Automatic tap changer controller	ATCC	Y		Disturbance recorder channel binary	RBDR		
Voltage control	AVCO			Breaker failure	RBRF	Y	
Logical nodes for control LN Group C				Disturbance recorder function	RDRE	Y	
Alarm handling	CALH			Disturbance record handling	RDRS	Y	
Interlocking	CILO	Y		Fault locator	RFLO	Y	
Point-on-wave switching	CPOW			Power swing detection/blocking	RPSB	Y	
Switch controller	CSWI	Y		Auto reclosing	RREC	Y	
				Synchronism-check	RSYN	Y	
Logical nodes for functional blocks LN group F				**Logical nodes for supervision and monitoring LN Group S**			
Logical nodes for generic references LN Group G				Trip circuit supervision	SCBR	Y	
Generic automatic process control	GAPC			Circuit Breaker Monitoring	SCBR		
Generic process I/O	GGIO	Y		Insulation medium supervision (gas)	SIMG		
Generic security application	GSAL			Insulation medium supervision (liquid)	SIML		
Logical nodes for interfacing and archiving LN Group I				Supervision of operating mechanism	SOPM		
Archiving	IARC			Circuit switch supervision	SSWI		
Human machine interface	IHMI			Temperature supervision	STMP		
				Power transformer supervision	SPTR		
Logical nodes for mechanical and non-electric primary equipment LN group K				**Logical nodes for instrument transformers and sensors LN Group T**			
Fan	KFAN			VT fuse fail supervision	TVTR	Y	
Logical nodes for metering and measurement LN Group M				**Logical nodes for switchgear LN Group X**			
Metering	MMTR			Circuit breaker	XCBR	Y	
Measurement	MMXU	Y		Circuit switch	XSWI	Y	
Sequence and imbalance	MSQI			**Logical nodes for power transformers LN Group Y**			
Logical nodes for protection functions LN Group P				Tap changer	YLTC		
Current differential	PDIF	Y		Power transformer	YPTR		
Negative sequence restrained differential	PDIF	Y		**Logical nodes for further power system equipment LN Group Z**			
Low impedance restricted earth fault	PDIF	Y		Battery	ZBAT		
High impedance restricted earth fault	PDIF	Y		**Other**			
Direction comparison	PDIR	Y					
Distance (step distance protection)	PDIS	Y					
Rate of change of frequency	PFRC						
Harmonic restraint (2^{nd} and 5^{th} harmonic blocking)	PHAR	Y					
Ground detector	PHIZ						
Directional overcurrent highset	PIOC	Y					
Directional earth fault highset	PIOC	Y					
Non directional overcurrent highset	PIOC	Y					
Non directional earth fault highset	PIOC	Y					
Standby earth fault	PIOC	Y					
Phase angle measuring	PPAM						
Protection scheme (blocking permissive)	PSCH	Y					
Sensitive directional earth fault	PSDE						
Time overcurrent (directional overcurrent)	PTOC	Y					
Time overcurrent (directional earth fault)	PTOC	Y					
Time overcurrent (non-directional overcurrent)	PTOC	Y					
Time overcurrent (non-directional earth fault)	PTOC	Y					
Sensitive earth fault	PTOC	Y					
Negative sequence overcurrent	PTOC	Y					
Negative sequence overvoltage	PTOV	Y					
Overvoltage	PTOV						
Protection trip conditioning	PTRC	Y					