

Appendix A. System Component Cause Code (Wind)

The following tables list available components for each system and the code to enter for each component for Wind Farms:

System	Component	Entry
Balance of Plant	General	674
	Battery Systems	1042
	Breakers	1037
	CT / PT	1041
	Fuses	1044
	Main Substation Transformer	1038
	Metering and Relays	655
	Overhead Lines	652
	Pad Mount-Multiple WTG	651
	Preventative Maintenance	682
	SCADA	656
	Site Communication	1043
	Site Reactive Power Comp	654
	Substation	653
	Switches	1039
	Transmission (Gen Tie)	1077
	Underground	650
	Wave Trap	1040
Wind Park Control System	657	
Brake	General	673
	Brake Hydraulic System	1045
	High Speed Shaft Brake	617
	Mechanical Lock	618
	General	672
	Cabinet Cooling/Heating	648

Control System	Cold Weather Control	647
	Control Cabinet Filtration	1048
	Control Com Links Top and Bottom	644
	Control Slip Rings	1049
	Hardware	1046
	Low Voltage Control Wiring	638
	Power Supply	1047
	Processor	645
	Processor Cooling	646
	Reactive Power Control	640
	Sensors	642
	Software	643
	Voltage Regulation	639
	Wind Vane and Anemometer	649
Drive Train	General	671
	Main Bearings	613
	Main Shaft	614
	Rotor Coupling	615
	Transmission Shaft	616
Electrical	General	670
	Circuit Breakers and Switches	661
	Converter Cooling	1052
	Current Transformers	1050
	Individual Turbine Transformers	662
	Power Compensation-WTG	660
	Power Converters	658
	Power Supply	1053
	Power Transformers	1051

	Transmission Cables	659
	General (OMC)	681
	Catastrophe (OMC)	1034
	Economic (OMC)	1035
	External Communication (OMC)	1057
	Legal, Contractual or Environmental (OMC)	1079
	Off-Taker Transmission & Distribution (OMC)	675
	Weather – Ice (OMC)	1036
	Weather – Lightning (OMC)	678
	Weather – Temperature (OMC)	676
	Weather – Turbulence (OMC)	1076
Gear Box	General	669
	Gear Box	608
	Gear Box Heating/Cooling	609
	Gear Box Oil System	610
	Gearbox Filtration	611
	Torque Arm System	612
Generator / Exciter	General	668
	Exciter	634
	Generator	631
	Generator Bearings	632
	Generator Cooling Systems	636
	Generator Lube Oil Systems	633
	Generator Shaft	635
	Wiring to Gen Terminals	637
	RCC (Rotor Current Control)	641
	High Speed Coupling	1058

	Power Slip Rings	1059
Human Performance	General	1071
	Contractor	1074
	Maintenance	1073
	Operator	1072
	Procedure Error	1075
Hydraulic System	General	667
	Common Pump and Motor	627
	Filtering System	629
	Hoses, Reservoirs, Valves	630
	Hydraulic Accumulator	628
	Hydraulic Slip Ring	1060
Pitch System	General	666
	Battery Backup	1061
	Electrical	626
	Mechanical	624
	Pitch Controller	1062
	Pitch Gearbox	1064
	Pitch Hydraulics	625
	Pitch Motor	1063
Rotor	General	665
	Aerodynamic Brake – Tip Brakes & Spoilers	602
	Blade Attachments	1080
	Blade Coatings	1065
	Blade Pitch Bearing	603
	Blades	600
	Deicing Systems	604
	Hub	601

	Lightning Protection	605
	Nose Cone	606
Structures	General	664
	Climb Assist / Elevator	1067
	FAA Lighting	598
	Foundations	595
	Hoist	1070
	Ladders	1066
	Lighting	1069
	MASS/Harmonic Damp	599
	Nacelle	593
	Nacelle Heating & Cooling	597
	Paint & Coatings	596
	Tower Filtration	1068
	Towers	594
Yaw System	General	663
	Slew Ring	620
	Yaw Dampening	622
	Yaw Gear	621
	Yaw Lubrication Systems	623
	Yaw Motors/Hydraulics	619
Wind Turbine	General	1032
	Overall	1033
	Preventative Maintenance	1031