Assessment list ALS 2-17

Switchgear

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Produced by the Electricity Systems Director of Energy Networks Association

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Foreword

This document contains listings of switchgear assessed by the Energy Networks Association for use on the UK distribution and transmission networks.

Inclusion in this list only indicates the existence of a Notice of Conformity indicating that the product has been assessed against the requirements of ENA Technical Specifications 41-36, 41-37, 37-2,41-40,41-41,41-43,41-46, 41-47 by the ENA Switchgear Assessment Panel. Non-compliances are not listed, and the individual notice of conformity should be consulted before any approval for use is given.

References

ENA TS 41-36	Distribution switchgear for service up to 36kV (cable and overhead conductor connected)
ENA TS 41-37	Switchgear for use on 66kV to 132kV distribution systems (Part 1 to 6)
ENA TS 37-2	Substation cable distribution boards
ENA TS 41-40	Ground Mounted Major Substation 12 to 36 kV Rated Indoor Fixed Pattern Switchgear
ENA TS 41-41	Ground Mounted Distribution Substation 12 to24 kV Rated RMU & Extensible Switchgear
ENA TS 41-43	Withdrawable Retrofit Ground Mounted 12 kV to 36 kV Rated Indoor Circuit-breakers
ENA TS 41-46	Pole Mounted Circuit-breakers & Metal Enclosed Disconnectors
ENA TS 41-47	Pole Mounted, Non-Enclosed: Switch-Disconnectors, Disconnectors, Earthing Switches, Fuse Switches (Expulsion fuses), Solid Links and Automatic Sectionalising Links (ASLs)

Definitions

APPROVAL NOTICE	An Electricity Association legacy document. These notices are retained for information only and are not maintained. Any information contained within these notices needs to be reviewed and verified that it is still current.
NOTICE OF CONFORMITY	An Energy Networks Association document which details the compliance of equipment for use on UK Transmission and Distribution Networks, with the relevant ENA specification. An NOC is intended to assist ENA member companies in meeting UK legislation on the selection of electrical plant and products, by ensuring that such equipment meets pre-determined functional and operational criteria.

Notice of Conformity

Assessment Type	Number	Issue	Issue Date	Review Date	Status	Manufacturer:	Equipment Type Ref:	Voltage	Equipment
NOC	1002	2.1	Feb-17	Feb-20	In Use	Siemens Energy	3AP1-FG	145kV	Circuit Breaker (Live Tank)
NOC	1003	5	Jun-17	Jun-20	In Use	ABB PG	ELK-0 Mk.4	145kV	145kV 40kA 2,500A indoor GIS type ELK-04/520 with SF6 Auto-Puffer Circuit Breaker ELK-CB0 circuit breaker, ELK-DE0 disconnector and earthing switch, ELK-ES0 fast acting earthing switch
NOC	1004	3.1	Apr-17	Apr-20	In Use	UK Grid Solutions	GL312	145kV	Circuit Breaker(Live Tank)
NOC	1007	2.1	Feb-17	Feb-20	In Use	Schneider Electric	RN2-c	12kV	Ring Main Unit 21kA version
NOC	1009	2.1	Sep-16	Sep-19	In Use	Acrastyle	DB	145kV	Disconnector
NOC	1010	1.3	Mar-20	Mar-23	In Use	Morris Line Engineering	ML	12kV	Outdoor 12kV 630A type ML. Air Break Switch Disconnector
NOC	1011	1.3	Mar-20	Mar-23	In Use	Morris Line Engineering	ML	24kV	Outdoor 24kV 630A type ML. Air Break Switch Disconnector
NOC	1012	1.3	Mar-20	Mar-23	In Use	Morris Line Engineering	ML	36kV	Outdoor 36kV 630A type ML. Air Break Switch Disconnector
NOC	1024	5.0	Mar-23	Mar-26	In Use	Brush (HSS)	Eclipse	12kV	Circuit Breaker (Fixed Pattern)
NOC	1026	3.0	Nov-23	Nov-26	In Use	Brush (HSS)	GVR	15/27kV	outdoor pole mounting auto-recloser
NOC	1027	2.2	Sep-17	Sep-20	In Use	ABB Limited	ZX1.2	36kV	Circuit Breaker (Fixed Pattern)
NOC	1030	2	Oct-16	Oct-19	In Use	Siemens Energy	3AP1-DT	72.5kV	Circuit Breaker (Dead Tank)
NOC	1032	8			Allocated	Schneider Electric	Genie Evo (XE)	12kV	Circuit Breaker (Fixed Pattern)
NOC	1033	5	Sep-18	Sep-21	In Use	Siemens	NXPlus	36kV	Circuit Breaker (Fixed Pattern)
NOC	1034	3	Nov-23	Nov-26	In Use	Brush (HSS)	Horizon	36kV	Circuit Breaker (Dead Tank)
NOC	1036	1	Jul-05	May-15	In Use	ABB Limited	PASS M0	145kV	Circuit Breaker(GIS)
NOC	1038	2.1	Feb-17	Feb-20	In Use	ABB PG	IMB 72.5	72.5kV	Current Transformer
NOC	1039	2.1	Feb-17	Feb-20	In Use	ABB PG	IMB 145	145kV	Current Transformer
NOC	1040	3	Oct-18	Oct-21	In Use	Eaton Electric	Xiria r3.5	12kV	Ring Main Unit Indoor
NOC	1041	3	Feb-20	Feb-23	In Use	W Lucy & Co Ltd	SABRE VRN2A	12kV	Ring Main Unit

Assessment Type	Number	Issue	Issue Date	Review Date	Status	Manufacturer:	Equipment Type Ref:	Voltage	Equipment
NOC	1042	2.2	Mar-17	Mar-20	In Use	S&C Electric Canada Ltd	2010-145 kV	145kV	Outdoor circuit switcher – Horizontal fault interrupter with integrated vertical-break disconnect (optional earth switch), 25kA
NOC	1043	2.2	Mar-17	Mar-20	In Use	S&C Electric Canada Ltd	2020-145 kV	145kV	Outdoor circuit switcher – Vertical fault interrupter with integrated side-break disconnect (optional earth switch), 25kA
NOC	1044	1.2	Mar-17	Mar-20	In Use	S&C Electric Canada Ltd	2010-72.5 kV	72.5kV	Outdoor circuit switcher – Horizontal fault interrupter with integrated vertical-break disconnect (optional earth switch), 25kA
NOC	1045	1.2	Mar-17	Mar-20	In Use	S&C Electric Canada Ltd	2020-72.5 kV	72.5kV	Outdoor circuit switcher – Vertical fault interrupter with integrated side-break disconnect (optional earth switch), 25kA
NOC	1047	2	Apr-17	Apr-20	In Use	Schneider Electric	CBGS-0	36kV	Circuit Breaker (Fixed Pattern) & Switch Disconnector
NOC	1049	1.1	Oct-18	Oct-21	In Use	Schneider Electric	WS 2000A	36kV	Indoor SF6 insulated vacuum circuit breaker
NOC	1050	1.1	Mar-20	Mar-23	In Use	Mitsubishi Electric Europe BV	120 SFMT-40E	145kV	145kv 40kA 3150A Outdoor Dead tank SF6 Gas Insulated Circuit breaker
NOC	1051	3.0	Feb-20	Feb-23	In Use	W Lucy & Co Ltd	Sabre VRN6A	12kV	630A Ring Main Unit
NOC	1053	2.2	Nov-21	Nov-24	In Use	Schneider Electric	LV Panel	LV	415V 18kA 800A Outdoor substation distribution board, 4 outgoing fuse ways. Type SA8C Mk II (SAIF)
NOC	1054	3.2	Nov-21	Nov-24	In Use	Schneider Electric	LV Panel	LV	415V 18kA Outdoor substation distribution board, 4 outgoing fuse ways. Type SH8C Mk II (Shielded)
NOC	1055	2.2	Nov-21	Nov-24	In Use	Schneider Electric	LV Panel	LV	415V 35.5ka 1600A Outdoor substation distribution board. 4, 5 & 7 outgoing fuse ways. Type SA16C Mk II (SAIF)

Assessment Type	Number	Issue	Issue Date	Review Date	Status	Manufacturer:	Equipment Type Ref:	Voltage	Equipment
NOC	1056	3.2	Nov-21	Nov-24	In Use	Schneider Electric	LV Panel	LV	415V 35.5kA 1600A Outdoor substation distribution board 4, 5 & 7 outgoing fuse ways. Type SH16C Mk II (Shielded)
NOC	1057	2.2	Nov-21	Nov-24	In Use	Schneider Electric	LV Panel	LV	415V 50kA 2500A Outdoor substation distribution board. 7 outgoing fuse ways. Type SA25C Mk II (SAIF)
NOC	1058	3.2	Nov-21	Nov-24	In Use	Schneider Electric	LV Panel	LV	415V 50kA 2500A Outdoor substation distribution board, 7 outgoing fuse ways. Type SH25C Mk II (Shielded).
NOC	1060	1.2	Nov-17	Nov-20	In Use	Arteche	CA-145	145kV	Current Transformer
NOC	1061	2.2	Nov-17	Nov-20	In Use	Arteche	KA-145	145kV	Combined metering transformer
NOC	1063	1.1	Mar-16	Mar-19	In Use	Arteche	DDB 145kV CVT	145kV	145kV Outdoor Capacitor voltage transformer
NOC	1067	3	Apr-18	Apr-21	In Use	UK Grid Solutions	SC-3 range	145kV	145kV STW free standing Line Earthing Switch and Disconnector Mounted line earthing switch type (/T/H)
NOC	1068	3	Apr-18	Apr-21	In Use	UK Grid Solutions	SC-3 range	145kV	1250A Double break 145kV 31.5kA Disconnector Type S3C
NOC	1069	3	Apr-18	Apr-21	In Use	UK Grid Solutions	SC-3 range	145kV	2000A Double break 145kV 40kA Disconnector Type S3C
NOC	1071	3	Apr-18	Apr-21	In Use	UK Grid Solutions	SC-3 range	145kV	145kV Type STA free standing earthing switch and Disconnector Mounted earthing switch type (/T)
NOC	1072	3	Apr-18	Apr-21	In Use	UK Grid Solutions	SC-3 range	145kV	2000A single break 145kV 40kA Disconnector Type SPV/T & SPV/B/T
NOC	1073	1.2	Apr-17	Apr-20	In Use	Hapam	Disconnector Type SSB111-145	145kV	145kV 2500A& integral Earthing Switch, Type AM-145 Free standing Earthing switch Type ASB-145
NOC	1074	4	Feb-20	Feb-23	In Use	Ormazabal	CPG-0	36kV	25kA 2000A Indoor GIS SF6 Insulated vacuum circuit breaker, Bus section and non-auto circuit breaker
NOC	1075	3.0	Oct-21	Oct-24	In Use	Schneider Electric	GHA	36kV	Circuit Breaker (Fixed Pattern)

Assessment Type	Number	Issue	Issue Date	Review Date	Status	Manufacturer:	Equipment Type Ref:	Voltage	Equipment
NOC	1076	3.2	Mar-20	Mar-23	In Use	ABB Limited	Unigear 500R	12kV	Circuit Breaker (Fixed Pattern)
NOC	1077	1.1	Jan-16	Jan-19	In Use	ABB Limited	LTB145 Motor Drive	145kV	Motor Drive Type MD300 V1.3 for LTB145D1/B Live Tank 145kv Circuit Breaker
NOC	1078	3	Aug-17	Aug-20	In Use	Efacec	Fluofix GC-T RMU	12kV	20kA 630A/200A - Outdoor SF6 non-extensible ring main unit with tee-off vacuum circuit breaker
NOC	1079	1.3	May-20	May-23	In Use	ABB PG	CPB72 and CPB145	72/145kV	Capacitive VT
NOC	1080	2	Sep-13	Sep-16	In Use	Alstom Grid	F35-4	145kV	145kV INDOOR GIS SF6
NOC	1081	3	Jun-15	Jun-18	In Use	Alstom Grid	DT1-145 type F1 FK3-1	145kV	40kA 2500A outdoor dead tank open terminal SF6 circuit breaker type DT1-145 F1 FK3-1
NOC	1082	1.1	Feb-14	Jan-17	In Use	Siemens Energy	3AP1-DTC	145kV	SF6 Dead tank Hybrid compact switchgear
NOC	1083	1.1	Feb-15	Feb-18	In Use	W Lucy & Co Ltd	Acculok LV Panel	415V	1600 amp 3/4/5 way transformer mounted distribution cabinet
NOC	1085	1.1	Feb-17	Feb-20	In Use	Schneider Electric	CN2, CN6, CE2 and CE6	12kV	Ringmaster range. Circuit Breaker (Fixed Pattern)
NOC	1086	1.1	Feb-17	Feb-20	In Use	Schneider Electric	SE6 and SN6	12kV	Ringmaster range. Switch
NOC	1087	1.1	Feb-15	Feb-18	In Use	W Lucy & Co Ltd	Acculok LV Panel	415V	800 amp 3/4/5 way transformer mounted distribution cabinet
NOC	1088	1.1	Feb-15	Feb-18	In Use	Hitachi ABB PG	PassM00	72.5kV	Hybrid Outdoor, Gas Insulated Switchgear
NOC	1090	2	Dec-16	Dec-19	In Use	Schneider Electric	DVCas	36kv	Wind main Circuit Breaker unit
NOC	1091	2	Jul-15	Jul-18	In Use	Alstom Grid	HYPact	145kv	Hybrid Compact Outdoor ,Gas Insulated Switchgear. 145kV, 31.5kA @ 135msec 40kA @ 40msec, 2500A
NOC	1092	2	Sep-13	Sep-16	In Use	P & B Switchgear Ltd	VOR-M	12kv	RETROFIT - 12kV 25kA 630A & 1250A Indoor vacuum circuit breaker withdrawable truck
NOC	1093	2	Sep-13	Sep-16	In Use	P & B Switchgear Ltd	VOR-S	12kv	RETROFIT - 12kV 25kA 630A & 1250A Indoor vacuum circuit breaker withdrawable truck
NOC	1094	2	May-18	May-21	In Use	Eaton Electric	FMX	24kV	24kV, single busbar, solid and air insuated switchgear

Assessment Type	Number	Issue	Issue Date	Review Date	Status	Manufacturer:	Equipment Type Ref:	Voltage	Equipment
NOC	1095	3.1	Mar-22	Feb-25	In Use	Siemens Energy	8DN8-5	145kV	145kV 3150A 40kA Indoor /outdoor and 145kV 2500A 40kA Outdoor OHL connection SF6 Gas Insulated Switchgear
NOC	1096	1.1	Jun-17	Jun-20	In Use	Coelme	CBD	132/75kV	Centre Break Disconnector (CBD)
NOC	1097	1.1	Jun-17	Jun-20	In Use	Coelme	TCB	132/75kV	Double Break Disconnector (TCB)
NOC	1098	1.1	Jun-17	Jun-20	In Use	Coelme	ES	132/75kV	Free-standing Earth Switch (ES).
NOC	1100	1	Jul-17	Jul-20	In Use	Schneider Electric / Nulec	U Series	12kV	Pole Mounted Recloser
NOC	1102	1.1	Jul-16	Jul-19	In use	Schneider Electric / Nulec	RL12	12kV	Pole Mounted load break switch
NOC	1103	3	Jun-15	Jun-18	In use	Siemens	LMT-Sion	12kV	RETROFIT - 12kV 25kA 630A & 1250A Indoor vacuum circuit breaker withdrawable truck
NOC	1104	3	Nov-23	Oct-26	In use	Siemens	8DA10	24/36kV	24kV 40kA 2500A; 36kV 25/31.5kA 1250/2000A Indoor Gas Insulated Vacuum Circuit Breaker
NOC	1105	1.1	May-17	May-20	In use	UK Grid Solutions	DT1-72.5 F1 FK3-1	72.5kV	72.5 kV 2500A 40kA Outdoor Dead Tank Circuit Breaker
NOC	1106	1.1	Oct-16	Oct-19	In use	ABB Limited	Safelink E RMU	12kV	12kV Transformer mounted RMU
NOC	1108	2	Apr-18	Apr-21	In use	Ormazabal	CGM.3	36kv	Switch Disconnector Type CGM.3-L Switch-Fuse Type CGM.3-P Non Autoreclosing Circuit Breaker Type CGM.3-V-AV Autoreclosing Circuit Breaker Type CGM.3-V-RAV Busbar Riser/ Earthing Switch Type CGM.3-RB
NOC	1109	2.0	Jul-23	Jul-26	In Use	Trench Italia	TCVT 72.5kV	72.5kV	Capacitor Voltage Transformer
NOC	1110	1.1	Jan-18	Jan-21	In Use	Trench Italia	TCVT 145/4 kV	145kV	Capacitor Voltage Transformer
NOC	1111	1	Nov-14	Nov-17	In Use	Mitsubishi Electric Europe BV	GMKD-1-GIS	145kV	2000A and 3150A 40kA Indoor/Outdoor SF6 Gas Insulated Switchgear
NOC	1112	3.0	Mar-23	Mar-26	In Use	Brush (HSS)	SWR 12/25 retrofit	12kV	12kV 25kA 400/630A, 800A & 1250A Indoor retrofit circuit breaker

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NOC	1113	5	Aug-21	Aug-24	In Use	Tamco	VH1F	12kV	25kA 800, 1250A & 2000A Indoor Air Insulated Fixed Vacuum Circuit Breaker
NOC	1114	2.1	Mar-20	Mar-23	In Use	ABB Limited	ZX0.2	36kV	31.5kA 1250A, 2000A & 2500A Indoor GIS SF6 Insulated Vacuum Circuit Breaker
NOC	1115	1	Sep-15	Sep-18	In Use	Alstom Grid	STA	72.5kV	72.5 kV STW free standing Earthing Switch and Disconnector Mounted earthing switch type (/T)
NOC	1116	1	Sep-15	Sep-18	In Use	Alstom Grid	STW	72.5kV	72.5 kV STW free standing Line Earthing Switch and Disconnector Mounted line earthing switch type (/T/H
NOC	1117	1	Sep-15	Sep-18	In Use	Alstom Grid	S3C	72.5kV	2000A Double break 72.5 kV 40kA Disconnector Type S3C
NOC	1118	2	Dec-20	Dec-23	In Use	ABB Limited	SafePlus 36	36kV	20kA 630A Indoor SF6 insulated vacuum circuit breaker
NOC	1119	1	Mar-20	Mar-23	In Use	RPS Switchgear	LMVP Retrofit Mk1	12kV	LMVP Switchgear & Retrofit Circuit Breakers for type 'LM' Mk 1 switchgear
NOC	1120	1	Mar-20	Mar-23	In Use	RPS Switchgear	LMVP Retrofit Mk2	12kV	LMVP Switchgear & Retrofit Circuit Breakers for type 'LM' Mk 2 switchgear
NOC	1121	1	Mar-20	Mar-23	In Use	RPS Switchgear	LMVP Extension panel	12kV	LMVP Extension Panel, with separate CT chamber
NOC	1122	1	May-16	May-19	In Use	ABB Limited	DCB145 D1/B	145kV	145 kV 40kA, 3150A Indoor/Outdoor Disconnecting circuit breaker SF6 insulated type DCB145 D1/B with associated earthing switch type NVA 145
NOC	1123	3.0	Dec-21	Dec-24	In Use	Siemens	NXPlusC Wind	36kv	Circuit breaker
NOC	1124	2.1	Oct-20	Oct-23	In Use	Tamco	GV3N	36kv	GIS Circuit Breaker
NOC	1125	2	Oct-16	Oct-19	In Use	Schneider Electric	Premset	12kv	Ring main unit. Indoor and Outdoor variants
NOC	1126	5	Nov-22	Oct-25	In Use	Noja Power	OSM 15/OSM 27/OSM 38	12/36kV	OSM15-16-800-310 auto recloser, OSM15-16-800-310, OSM27-12-800-310, OSM38-12-800-300 & OSM38-16-800-300 auto recloser

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NOC	1127	2	Sep-21	Aug-24	In Use	Pfiffner	145kV CT	145kV	JOF145 Current Transformer
NOC	1128	2	Sep-21	Aug-24	In Use	Pfiffner	145kV CVT	145kV	ECF145 Capacitive Voltage Transformer
NOC	1129	2	Sep-21	Aug-24	In Use	Pfiffner	145kV Combined Transformer	145kV	EJOF145 Combined transformer
NOC	1130	4	Jan-21	Jan-24	In Use	Schneider Electric	RN2d, RN6d, RE2d	12kV	21kA 630A/ 200A, 630A outdoor Non extensible ring main unit SF6 ring main unit with 200A or 630A tee-off SF6 rotating arc circuit breaker
NOC	1131	1	Nov-16	Nov-19	In Use	Siemens Energy	3AP1-DT-1S	145kV	145kV SF6 Dead tank Circuit Breaker
NOC	1132	2	Sep-21	Aug-21	In Use	Pfiffner	145kV IVT EOF145	145kV	145kV Inductive Voltage Transformer
NOC	1133	2	Sep-21	Aug-24	In Use	Pfiffner	72.5kV CT JOF72	72.5kV	72.5 kV Current Transformers
NOC	1134	2	Sep-21	Aug-24	In Use	Pfiffner	72.5kV Combined Transformer EJOF72	72.5kV	72.5kV Combined Transformer
NOC	1135	2	Sep-21	Aug-24	In Use	Pfiffner	72.5kV VT EOF72	72.5kV	72.5kV Voltage Transformer
NOC	1136	2	Sep-21	Aug-24	In Use	Pfiffner	72.5kV CVT ECF72	72.5kV	72.5kV Capacitive Voltage Transformer
NOC	1137	3.0	Mar-23	Mar-26	In Use	Brush (HSS)	BSR 12kV retrofit CB	12kV	12kV 25kA 400/ 630A, 800A, 1250A & 2000A Indoor retrofit circuit breaker
NOC	1138	2	Aug-18	Aug-21	In Use	Schneider Electric	GHA 31.5kA	36KV	Circuit Breaker (Fixed Pattern)
NOC	1139	1.1	Jul-18	Jul-21	In Use	ENSTO	Auguste PMAR	24kV	Pole-Mounted Switch Disconnector
NOC	1140	2	Aug-21	Aug-24	In Use	Brush (HSS)	Quantum	12kV	12kV Fixed Pattern Switchgear
NOC	1142	1	Jun-18	Jun-21	In Use	Siemens	8DJH36	36kV	36kV 20kA 630A SF6 Indoor insulated single busbar fixed pattern ring main switchgear (Circuit breaker, Bus Riser, Switch Disconnector, transformer switch-fuse)
NOC	1143	1	Jun-18	Jun-21	In Use	S&S Power Switchgear Equipment Ltd	ES1, ES2 and ESG	145kV	145kV 40kA Earthing Switch
NOC	1144	1	Jun-18	Jun-21	In Use	S&S Power Switchgear Equipment Ltd	RD145-G	145kV	145kV 2000A 40kA Disconnector
NOC	1145	1	Sep-18	Sep-21	In Use	Siemens	C-Sion	12kV	Retrofit Air Insulated Vacuum Circuit Breaker (Withdrawable Truck)
NOC	1146	1	Nov-19	Oct-22	In Use	Hitachi ABB PG	PASS M0 MEBO	145kV	Hybrid Outdoor/Indoor Gas Insulated Switchgear

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NOC	1147				Allocated	Hitachi ABB PG	145kV EconiQ Circuit Breaker	145kV	EconiQ Circuit Breaker 145kV
NOC	1148				Allocated	ABB Limited	Safe Plus Air	12kV	Non-SF6 Insulated Ring Main Unit 12kV
NOC	1149				Allocated	Schneider Electric	E38	38kV	Automatic Circuit Recloser
NOC	1150	1	Jul-23	Jun-24	In Use	Siemens Energy	3AV1	145kV	Clean Air Circuit Breaker
NOC	1154	2	Nov-23	Oct-26	Allocated	Ormazabal	CPG.0 31.5kA	36kV	Single Busbar GIS SF6 insulated
NOC	1155				Allocated	ABB Limited	OVR	15/38kV	Outdoor Vacuum recloser
NOC	1156				Allocated	ABB Limited	SECTOS	12/36kV	SF6-insulated outdoor pole mounted load break switch
NOC	1157	1	Jan-23	Dec-25	Allocated	Siemens Energy	8VN1	145kV	Gas Insulated Switchgear
NOC	1159				Allocated	GE	F35-41	145kV	40kA 3150A Indoor GIS
NOC	1160	1	Feb-23	Jan-26	Allocated	Lucy	Acutec	440V	1600A LV Cabinet TMO
NOC	1161				Allocated	GE	GL312 F1/4031g	145kV	40kA 3150A GIS
NOC	1162				Allocated	Hitachi ABB PG	72.5 kV EconiQ Circuit Breaker	72.5 kV	EconiQ Circuit Breaker 72.5kV
NOC	1164				Allocated	Pfiffner	ROF 72	72.5 kV	Resistive Capacitive Voltage Divider - Outdoor - Oil Insulated
NOC	1165				Allocated	Pfiffner	ROF 145	145kV	Resistive Capacitive Voltage Divider - Outdoor - Oil Insulated
NOC	1166				Allocated	Pfiffner	ROF 420	420kV	Resistive Capacitive Voltage Divider - Outdoor - Oil Insulated
NOC	1167				Allocated	ALPHA Elektrotechnik AG	CBD [E] 72.5	72.5 kV	Centre Break Disconnector
NOC	1168				Allocated	ALPHA Elektrotechnik AG	CBD [E] 145	145kV	Centre Break Disconnector
NOC	1169				Allocated	ALPHA Elektrotechnik AG	EF 72.5	72.5 kV	Earth Switch
NOC	1170				Allocated	ALPHA Elektrotechnik AG	EF 145	145kV	Earth Switch
NOC	1171				Allocated	ALPHA Elektrotechnik AG	TFD [E] 72.5	72.5 kV	Double Break Disconnector
NOC	1172				Allocated	ALPHA Elektrotechnik AG	TFD [E] 145	145kV	Double Break Disconnector
NOC	1173				Allocated	ALPHA Elektrotechnik AG	TFPK [E] 72.5	72.5 kV	Pantograph Disconnector
NOC	1174				Allocated	ALPHA Elektrotechnik AG	TFPK [E] 145	145kV	Pantograph Disconnector
NOC	1175				Allocated	CO7	VOX Non SF6	36kV	

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NOC	1176				Allocated	Siemens	8DJH12	12kV	
NOC	1178				Allocated	Schneider Electric	Non SF6 RMU	12kV	
NOC	1179				Allocated	Lucy	Non SF6 RMU	12kV	
NOC	1180				Allocated	Lucy	DSB	145 kV	

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