

Primary Substation (A)	Tap Change Control ?	H = Hand Chg Spring	Leave / Fix taps ?	kV	Parallel with Primary Substation (B)	Action required to reduce fault level / circulating current. Where switching operations require the opening of Primary Transformer CB Tap Change Schemes shall be made Non-Auto. When opening Bus-Section CBs, then consideration shall be taken to make Tap Change Control Schemes Non-Auto.	Primary Substation B	Tap Change Control ?	H = Hand Chg Spring	Leave / Fix taps ?
ALSTON	Y	-	L	11	Little Salkeld	No action		Y	H	F
ANNIE PIT	Y	H	L	11	HDA 1&2	No action		Y	-	F
					Siddick	Open Annie Pit 11kV Bus Section CB		Y	H	F
					Stainburn	Open Stainburn T12		Y	H	L
ASKERTON CASTLE	Y	-	L	11	Capontree	At Easton - Close Hallburn WF 33kV SW		Y	-	L
					Easton	No action		Y	-	L
					Kinkry Hill	No action		Y	-	L
					Westlinton	No action		Y	-	F
ASPATRIA	Y	H	L	11	Embleton	No action		Y	H	L
					Maryport	No action		Y	H	F
					Sebergham	No action		Y	-	F
					Wigton	No action		Y	-	F
BNFL BECKERMET	Y			11	Private					
					Askerton Castle	See Askerton Castle		Y	-	L
CAPONTREE	Y	-	L	11	Fusehill	No action		Y	H	F
					Petteril Bank	No action		Y	H	L
					Spadeadam	No action		Y	-	L
					Westlinton	No action		Y	-	F
CARLETON	Y	-	F	11	Askam (South Lakes)	No action		Y	H	F
					Midway	No action		Y	-	L
CARLISLE NORTH	Y	-	L	11	Morton Park	No action		Y	-	L
					Westlinton	Open Carlisle North AB Bus Section CB		Y	-	F
					Wigton	No action		Y	-	F
					Willowholme	No action		Y	-	L
EASTON	Y	-	L	11	Askerton Castle	See Askerton Castle		Y	-	L
					Kinkry Hill	No action		Y	-	L
					Westlinton	At Easton - Close Hallburn WF 33kV SW		Y	-	F
EGREMONT	Y	-	L	11	H D A 1 & 2	No action		Y	-	F
					Hensingham	No action		Y	-	L
					Midway	No action		Y	-	L
EMBLETON	Y	H	L	11	Aspatia	See Aspatia		Y	H	L
					Keswick	No action		Y	H	L
					Maryport	No action		Y	H	F
					Stainburn	No action		Y	H	L
					Wigton	No action		Y	-	L
					Capontree	See Capontree		Y	-	L
					James Street	Open James St 11kV Bus Section CB		Y	H	L
FUSEHILL	Y	H	L	11	Petteril Bank	Open Fusehill T11 -11kV CB or Bus Section CB & Metal Box No 1. Open Petteril Bank 11kV Bus Section CB Note No action required at either end if parallel is via Scotby SS		Y	H	L
					Willowholme	Open Fusehill T11 -11kV CB or Bus Section CB & Metal Box No 1. No action required if parallel is made via Whoof House SS.		Y	-	L
GILLSROW	Y	-	F	11	Hutton End T11	No action		Y	H	F
					Keswick	No action		Y	H	L
					Newtongate	No action		Y	-	L
					Shap	No action		Y	H	F
					Sebergham	No action		Y	-	F
					Whinfell	No action		Y	-	F
HDA 1 HDA 2	Y	H T11	F	11	Annie Pit	See Annie Pit		Y	H	L
					Egremont	See Egremont		Y	-	L
					Hensingham	No action		Y	-	F
					Leyland National	Open HDA No.2 T12 -11kV CB. Open Leyland National T12 -11kV CB.		Y	H	L
					Slipway	No action		Y	H	L
					Stainburn	No action		Y	H	L
HENSINGHAM	Y	-	L	11	Egremont	See Egremont		Y	-	L
					Slipway	No action		Y	H	L
HUTTON END	Y	-	F	11	Little Salkeld	No action		Y	H	F
					Morton Park	No action		Y	-	L
					Newtongate	No action		Y	-	L
					Petteril Bank	No action		Y	H	L
					Sebergham	No action		Y	-	F
					Skelton	No action		Y	-	L

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JAMES ST	Y	H	L	11	Fusehill	See Fusehill		Y	H	L
					Morton Park	No action		Y	-	L
					Petteril Bank	No action		Y	H	L
					Willowholme	No action		Y	H	L
KESWICK	Y	H	L	11	Embleton	See Embleton		Y	H	L
					Gillsrow	See Gillsrow		Y	H	F
KINKRY HILL	Y	-	L	11	Askerton Castle	See Askerton Castle		Y	-	L
					Easton	See Easton		N	-	L
KIRKBY STEPHEN	Y	-	L	11	Kirkby Thore	No action		Y	-	F
					Newbiggin on Lune	No action		Y	-	L
					Newby	No action		Y	-	F
					Sedbergh (South Lakes)	No action		N	-	F
KIRKBY THORE	Y	-	F	11	Kirkby Stephen	See Kirkby Stephen		Y	-	L
					Little Salkeld	No action		Y	H	F
					Newby	No action		Y	-	F
					Whinfell	No action		Y	-	F
LEYLAND NATIONAL	Y	H	L	11	HDA 1&2	See HDA 1&2		Y	H	F
					Stainburn	No action		Y	-	L
LITTLE SALKELD	Y	H	F	11	Alston	See Alston		Y	-	L
					Hutton End	See Hutton End		Y	-	F
					Kirkby Thore	See Kirkby Thore		Y	-	F
					Newtongate	No action		Y	-	L
					Petteril Bank	No action		Y	H	L
MARYPORT	Y	H	F	11	Aspatria	See Aspatria		Y	H	L
					Embleton	See Embleton		Y	H	L
					Siddick	No action		Y	-	F
					Stainburn	No action		Y	-	L
MIDWAY	Y	-	L	11	Carleton	See Carleton		Y	-	F
					Egremont	See Egremont		Y	-	L
MORTON PARK	Y	-	L	11	Carlisle North	See Carlisle North		Y	-	L
					Hutton End	See Hutton End		Y	-	F
					James Street	See James Street		Y	H	L
					Petteril Bank	No action		Y	H	L
					Pirelli	No action		Y	H	L
					Sebergham	No action		Y	-	F
					Wigton	No action		Y	H	F
					Willowholme	No action		Y	-	L
NEWBIGGIN ON LUNE	Y	-	L	11	Kirkby Stephen	See Kirkby Stephen		Y	-	L
					Sedbergh (South Lakes)	No action		N	-	F
					Selsmire	No action		Y	H	L
NEWBY	Y	-	F	11	Newtongate	No action		Y	-	L
					Shap	No action		Y	H	F
					Whinfell	No action		Y	-	F
NEWTONGATE	Y	-	L	11	Gillsrow	See Gillsrow		Y	-	F
					Hutton End	See Hutton End		Y	-	F
					Little Salkeld	See Little Salkeld		Y	H	F
					Newby	See Newby		Y	-	F
					Shap	No action		Y	H	F
					Whinfell	No action		Y	-	F
PETTERIL BANK	Y	H	L	11	Capontree	See Capontree		Y	-	L
					Fusehill	See Fusehill		Y	H	L
					Hutton End	See Hutton End		Y	-	F
					James St	See James Street		Y	H	L
					Little Salkeld	See Little Salkeld		Y	H	F
					Morton Park	See Morton Park		Y	-	L
PIRELLI	Y	H	L	11	Morton Park	See Morton Park		Y	-	L
QUAYSIDE	Y	-		11	Private	No action		Y	-	
SEBERGHAM	Y	-	F	11	Aspatria	See Aspatria		Y	-	L
					Hutton End	See Hutton End		Y	-	F
					Morton Park	See Morton Park		Y	-	L
					Wigton	No action		Y	H	F
SEDBERGH (South Lakes)	Y		F	11	Kirkby Stephen	See Kirkby Stephen		Y	-	L
SELSMIRE	Y	-	L	11	Newbiggin on Lune	See Newbiggin on Lune		Y	H	L
					Sedbergh (South Lakes)	No action		N	-	F
					Shap	No action		Y	H	F
SHAP	Y	H	F	11	Newby	See Newby		Y	-	F
					Newtongate	See Newtongate		Y	-	L
					Selsmire	See Selsmire		Y	-	L

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SIDDICK	Y	-	F	11	Annie Pit	See Annie Pit		Y	H	L
					Maryport	See Maryport		Y	H	F
					Stainburn	No action		Y	-	L
SILLOTH	Y	H	L	11	Wigton	No action		Y	H	F
SKELTON C	Y	-	L	11	Hutton End	See Hutton End		Y	-	F
SLIPWAY	Y	H	L	11	Hensingham	See Hensingham		Y	-	L
					HDA 1&2	See HDA 1&2		Y	H	F
SPADEADAM	Y	-	L	11	Capontree	See Capontree		Y	-	L
STAINBURN	Y	-	L	11	Annie Pit	See Annie Pit		Y	H	L
					Embleton	See Embleton		Y	H	L
					HDA 1&2	See HDA 1&2		Y	H	F
					Leyland National	See Leyland National		Y	H	L
					Maryport	See Maryport		Y	H	F
					Siddick	See Siddick		Y	-	F
WESTLINTON	Y	-	F	11	Askerton Castle	See Askerton Castle		Y	-	L
					Capontree	See Capontree		Y	-	L
					Carlisle North	See Carlisle North		Y	-	L
					Easton	See Easton		Y	-	L
					Willowholme	No action		Y	-	L
WHINFELL	Y	-	F	11	Kirkby Thore	See Kirkby Thore		Y	-	F
					Newtonsgate	See Newtonsgate		Y	-	L
								Y	H	L
WIGTON	Y	H	F	11	Aspatria	See Aspatria		Y	-	L
					Carlisle North	See Carlisle North		Y	-	L
					Embleton	See Embleton		Y	H	L
					Morton Park	See Morton Park		Y	-	L
					Sebergham	See Sebergham		Y	-	F
					Silloth	See Silloth		Y	H	L
					Willowholme	No Action		Y	-	L
WILLOWHOLME	Y	-	L	11	Carlisle North	See Carlisle North		Y	-	L
					Fusehill	See Fusehill		Y	H	L
					James Street	See James Street		Y	H	L
					Morton Park	See Morton Park		Y	-	L
					Westlinton	See Westlinton		Y	H	F
					Wigton	See Wigton		Y	H	F