

Class	Description	Load Size	N-1 Cable, line or transformer contingency	N-2 Cable. Line or transformer contingency	Bus fault or switchgear failure
<b>Urban Transpower GXPs</b>					
A1	Lines, buses and supply banks	15 to 200MW	No interruption	Restore within 2hrs	No interruption for 50% and restore rest within 2hrs
<b>Rural – Transpower GXPs</b>					
B1	Lines, buses and supply banks	15 to 60MW	No interruption (1)	Restore within 4hrs (1)	No interruption for 50% and restore rest within 4hrs (1)
B2	Supply banks	0 to 1MW	Restore in repair time	Restore in repair time	Restore in repair time
<b>Urban – Orion network</b>					
C1	DS with CBD or special industrial load, etc	15 to 40MW	No interruption	Restore within 1hr	No interruption for 50% and restore rest within 2hrs
C2	DS without CBD or special industrial load, etc	15 to 40MW	No interruption	Restore within 2hrs	No interruption for 50% and restore rest within 2hrs
C3	DS or 11kV ring with CBD or inner urban load, etc	2 to 15MW	Restore within ½ an hr	Restore 75% within 2hrs and the rest in repair time	Restore within 2hrs
C4	Outer, mainly residential district substations	4 to 15MW	Restore within 2hrs	Restore 75% within 2hrs and the rest in repair time	Restore within 2hrs
C5	Inner 11kV distribution feeder	0.5 to 2MW	Restore within 1hr	Restore in repair time	Restore 90% within 1hr and the rest in 4hrs (use generator)
C6	Outer, mainly residential 11kV distribution feeder	0.5 to 4MW	Restore within 1hr	Restore in repair time	Restore 90% within 1hr and the rest in 4hrs (use generator)
C7	11kV distribution spurs	0 to 0.5MW	Use generator to restore within 4hrs	Restore in repair time	Use generator to restore within 4hrs
<b>Rural – Orion network</b>					
D1	Subtransmission feeders	15 to 60MW	No interruption	Restore within 4hrs (1)	No interruption for 50% and restore rest within 4hrs (1)
D2	DS's and subtransmission feeders	4 to 15MW	Restore within 4hrs (1)	Restore 50% within 4 hrs and the rest in repair time (1)	Restore within 4hrs (1)
D3	Small DS and 11kV distribution feeders	1 to 4MW	Restore within 4hrs (1)	Restore in repair time	Restore 75% within 4hrs and the rest in repair time (1)
D4	11kV distribution spurs	0 to 1MW	Restore in repair time	Restore in repair time	Restore in repair time