

Table 1-1: Summary of ETC redundancy requirement

Load Category	1	2	3	4	5
Generally Applies to...	Small loads, country radials, direct connect customers	Significant country radials	Medium sized loads with non-firm backup	Medium sized loads and large loads	Adelaide Central Business District (CBD)
Transmission line capacity					
'N' capacity	100% of Agreed MD				
'N-1' capacity	Nil		100% of Agreed MD		
'N-1' continuous capability	Nil			100% of Agreed MD for loss of single transmission line or network support arrangement	
Restoration time to 'N' standard after outage (as soon as practicable - best endeavours)	2 days		1 hour	12 hours (or 4 hours if grouped with category 5 connection point)	4 hours for 65% of 'N' standard
Restoration time to 'N-1' standard after outage	N/A		As soon as practicable - best endeavours		
Transformer capacity					
'N' capacity	100% of Agreed MD				
'N-1' capacity	Nil	100% of Agreed MD			
'N-1' continuous capability	None stated	100% of Agreed MD for loss of single transformer or network support arrangement	Nil	100% of Agreed MD for loss of single transformer or network support arrangement	
Restoration time to 'N' standard after outage (as soon as practicable - best endeavours)	8 days		1 hour	12 hours (or 4 hours if grouped with category 5 connection point)	4 hours for 65% of 'N' standard
Restoration time to 'N-1' standard after outage	N/A	As soon as practicable - best endeavours			
Spare transformer requirement	Sufficient spares of each type to meet standards in the event of a failure				
Allowed period to comply with required contingency standard following a change in forecast Agreed MD that causes the specific reliability standard to be breached	N/A	12 months			

Note: the provision of 'N' and 'N-1' equivalent capacity, as described by the ETC, includes the capacity that is provided by in-place network support arrangements (through distribution system capability, generator capability, load interruptability, or any combination of these services).