ANNEX A - SAMPLE ELA Spreadsheet for DC, AC and battery capacity analysis

	Capacity	Qty	**Total**					
Pilot reaction	10	mins		75	Bat derating			
Emergency time	30	mins						
Battery A/H	15	1	11.25	675	Amp/mins			
ASTEPA?	NO							
Normal Load	40	Amps		2400	Amp/mins	16.875	Minutes	

Item	Emergency load	Amps	Usage	Operating time in min	Amp/mins			
1	Engine gauges	1.5	Cont	0	45			
2	Intercom	1	Cont	0	30			
3	Flight instruments	2	Cont	0	60			
4	Icing protection system	10	Min	5	50			
5	Landing light	10	Cont	0	300			
6	Navigation lights	0.2	Cont	0	6			
7a	VHF communication - RX	0.5	Cont	0	15	Emergency average demand	35.53	Amps
7b	VHF communication - TX	3	Min	10	30	Time left on battery	9	Minutes
8	Transponder	2	Cont	0	60			
9	Navigation systems	2	Cont	0	60			
10	Lighting systems	1	Min	10	10	Growth %	1.33	
	Total	**33.2**			**666**	Battery Capacity	Adequate	
	Total including pilot reaction				**1066**			

Note this spreadsheet uses systems and current values only for illustrative purposes. This spreadsheet will require changing depending on the individual aircraft configuration. This spreadsheet will require assessment of loads connected to the battery depending on the individual aircraft configuration.