



Private Bag 12003 Windhoek Namibia | (Tel) +264 61 702 212 | Web: <http://www.dca.com.na>

FSS-AIR-FORM 012/12

ELECTRICAL LOAD ANALYSIS

Name of Design Holder							
Aircraft Registration	V5	-					Serial Number
Aircraft Make & Model							
Power Source(s) Data							
Identification	Starter-Alternator		Inverter/Generator		Battery		
Manufacture							
Number of Units							
Amperage (Ampere) Rating							
Voltage (Volts) Rating							
Model Number							
Affected Bus Data							
Power Distribution Unit (PDU) Bus							
Bus Rating (Ampere)							
Equipment Removed				Maximum Current Drawn			
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
Total Current Consumed by Removed Avionics							
Current Consumed by Remaining Avionics (Bus Rating less Total Current Consumed by Removed Avionics)							
Power Distribution Unit (PDU) Bus							
Bus Rating (Ampere)							
Equipment Installed				Maximum Current Drawn			
1.							
2.							
3.							
4.							
5.							

6.		
7.		
8.		
9.		
10.		

Total Current Consumed By Installed Avionics

Summary		Maximum Current Drawn
1.	Total current consumed by installed avionics	
2.	Total current consumed by removed avionics	
3.	Variation in current consumed by avionics (1 less 2)	
4.	Current consumed by remaining avionics	
5.	Total current consumed by present avionics (1 plus 4)	
6.	Bus rating	
7.	True remaining current available for avionics (6 less 5)	

Note: Total continuous electrical load may not exceed eighty percent (80%) output load limits of source.

Conclusion

I certify that the data supplied herein is true and that the parts described are airworthy and all historical records are available. I also certify that the aircraft conforms to the approved design data. _____

TO BE COMPLETED BY THE DESIGN HOLDER

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SIGNATURE OF DESIGN HOLDER	NAME IN BLOCK LETTERS	DATE
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SATISFACTORY		NOT SATISFACTORY	
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NCAA PROJECT NUMBER:	
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SIGNATURE OF CERTIFICATION ENGINEER	NAME IN BLOCK LETTERS	DATE
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Recommendation/Observation:

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Name of NCAA Inspector: **Signature:** **Date:**

Airworthiness chief's Remarks:

The above requirements have been evaluated against the operator / organisation submissions and is hereby approved / **not approved** for authorization and **recommended / not recommended** to be issued the appropriate approval.

.....
Name: **Signature:** **Date:**