

Functional Performance Test

[Project Name]

System: **Automatic Transfer Switches**

Functional Performance Check	Pass	Fail	Remarks:
ATSE			
ATS is rated for 150A			
Normal power drops out below 90% rated voltage			
Normal power drops out when any phase voltage drops below 90% of rated voltage			
Normal power picks up at 90% rated voltage			
Emergency power picks up after 90% rated alternator voltage has been reached			
Emergency power picks up after 90% rated frequency has been reached			
Engine start time delay factory set. (3secs.) Adjustable (1-60secs.)			
Time delay for retransfers to normal power (300 seconds). Adjustable (0-30 mins.)			
Engine "cool down" time delay factory set (300 seconds)			
Demonstrate loss of normal power feed to ATSE			
ATQ			
ATS is rated for 150A			
Delayed Neutral set for 10 Seconds			
Normal power drops out below 90% rated voltage			
Normal power drops out when any phase voltage drops below 90% of rated voltage			
Normal power picks up at 90% rated voltage			
Emergency power picks up after 90% rated alternator voltage has been reached.			
Emergency power picks up after 90% rated frequency has been reached			
Engine start time delay factory set. (3secs.) Adjustable (1-60secs.)			
Time delay for retransfers to normal power (300 seconds). Adjustable (0-30 mins.)			
Engine "cool down" time delay factory set (300 seconds).			
Demonstrate loss of normal power feed to ATSQ			

"This Functional Performance Test document represents FCG's standard test protocol, basic functional test, and FCG's best understanding of the designed sequence of operation. This document DOES NOT define design intent, supersede contract documents, or direct means and methods."

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[Project Name]

System: Automatic Transfer Switches

Number	Date	Remark
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