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**Verification against LRNS performance criteria**

Table 6: Diesel generator AVR model verification results against LRNS criteria

Test description	Criteria	Measurement
25 % load, reject 25%	Voltage rise < 7.5%	0.65%
50 % load, reject 25%	Voltage rise < 7.5%	1.45%
75 % load, reject 25%	Voltage rise < 7.5%	1.88%
100 % load, reject 25%	Voltage rise < 7.5%	2.07%

Table 7: Diesel generator governor model verification results against LRNS criteria

Test description	Criteria	Measurement
Load step 0 to 100%	Momentary frequency variation < 10%	- 2.26%
Load step 100 to 0%	Momentary frequency variation < 10%	5.1%
Load step 0 to 100%	Permanent frequency variation < 5%	± 0.01%
Load step 100 to 0%	Permanent frequency variation < 5%	± 0.01%