

MIL-R-23761/1A(AS)
AMENDMENT-1
15 May 1978

MILITARY SPECIFICATION

REGULATOR CONTROL PANEL, AIRCRAFT DIRECT
CURRENT GENERATOR, 28 VOLT

This amendment forms a part of Military Specification
Sheet MIL-R-23761/1A(AS) dated 30 June 1977.

Page 1

Control Panel Drawing: Delete "CONCEALED VOLTAGE ADJ. SEE REQ. 27."
Also delete drawing markings associated with above note.

Page 2

Control Panel Connection Diagram: Add "P/N M6106/30-1" after line
contactor and "P/N M6162/1-2" after starter-generator, and label right-
hand component, shown in dotted lines, as "CONTROL PANEL."

Page 3

REQUIREMENT 4: Delete and substitute the following: "Voltage Adjustment -
No adjustment on the control panel shall be accessible when the control
panel is installed." The voltage setting of the control panel during
manufacture shall be fixed at 27.75 ± 0.25 volts at 10,000 rpm generator
speed and 200 amperes load. The voltage adjustment shall not change as
a result of shock and vibration."

REQUIREMENT 5: Add the following: "The equalizer circuit shall be
closed when the potential at the point of regulation is 24 ± 1 volts,
the generator switch is in the ON position and the field reTay is closed.
The equalizer circuit shall be opened when the panel is tripped, the
generator control switch OFF, or the potential at the point of regulation
drops to 19 ± 1 volts."

REQUIREMENT 10: Add the following: "When the generator is energized
with a fault on its feeder, the control panel shall de-energize the
generator before 0.5 volt appears across the generator equalizer."

REQUIREMENT 11: Delete the three sentences and substitute the following:
"The control panel shall include an overvoltage protective function.
The overvoltage device shall selectively trip the faulty generator

system and shall not cause nuisance tripping of other systems on the line. The time intervals corresponding to overvoltage values on bus shall meet the requirements of MIL-STD-704. The maximum time required for the control panel to open the field of the generator shall be in accordance with the following table."

Page 5

REQUIREMENT 27: Delete and substitute the following:
"Self-Excitation - When the control panel is reset, the control panel shall provide less than 0.2 ohm resistance in series with the field circuit during self-excitation of the generator."

TESTS, 1: Delete "MIL-G-6162" and substitute "MIL-R-23761."

TESTS, 2: Delete and substitute the following: "Acceptance Tests -The acceptance tests specified in MIL-R-23761 shall be performed to the requirements specified therein or as modified herein using an M6162/1-2 generator."

Preparing Activity:
Navy - AS
Project No. 6110-N223

9