

MIL-P-27409(USAF)
AMENDMENT 1
16 June 1969

MILITARY SPECIFICATION

PROPELLANT FEED SYSTEM, ROCKET PROPULSION, GENERAL SPECIFICATION FOR

This amendment forms a part of Military Specification
MIL-P-27409(USAF) dated 20 March 1967.

- Page 3, paragraph 3.2: Delete and substitute: "3.2 Model specification. A rocket propulsion feed system model specification conforming to Appendix 1 shall be prepared by the feed system manufacturer for approval."
- Page 3, paragraph 3.4: Change paragraph title to read: "Changes."
- Page 3, paragraph 3.5: Delete - Change succeeding paragraph numbers.
- Page 4, paragraph 3.6: Delete - Change succeeding paragraph numbers.
- Page 4, paragraph 3.7: Change title to read: "3.7 Performance characteristics and ratings."
- Page 4, paragraph 3.7.1.7: Delete - Change succeeding paragraph numbers.
- Page 6, paragraph 3.7.3: Delete and substitute: "3.7.3 Reliability. The reliability (6.3.10) requirements of the feed system shall be specified in the model specification. The feed system manufacturer shall prepare a plan in accordance with MIL-STD-785 by which reliability compliance will be evaluated and this plan shall be referenced in the model specification."
- Page 8, paragraph 3.9.2: Change last sentence to read: "Whenever possible, drain fittings shall be launch attitude and the fluid shall drain by the force of gravity."
- Page 11, paragraph 3.12.7: Delete and substitute: "3.12.7 Weight. A weight tabulation shall be listed in the model specification. The tabulation shall

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include inert or dry weight (6.3.1) or hardware, fluid weight, and lubricants. The tabulation shall present complete feed system operational weights.

- Page 11, paragraph 4.1.1: Delete - Change succeeding paragraph numbers.
- Page 11, paragraph 4.1.3: Change paragraph title and first sentence to read: "4.1.3 Quality conformance. Quality conformance tests shall be".
- Page 11, paragraph 4.2.1: Delete - Change succeeding paragraph numbers.
- Page 16, paragraph 4.3.10: Add to second sentence: "or a complete mission duty cycle of slosh shall be performed by applying the revelant spectrum of dynamic inputs to the tanks."
- Page 16, paragraph 4.3.13: Change title to read: "Ignition proof."
- Page 17, paragraph 4.3.16: Change "equal to 25 rated runs" in first sentence to "equal to 12 rated runs".
- Page 18, paragraph 4.4.3: Change first sentence to read: "Whenever feasible, the feed system....".
- Page 20: Add new paragraph as follows: "6.3.10 Reliability. Reliability is the probability that a system will perform a required function under specified conditions for a specified period of time at a given confidence level."

Custodian:

Preparing Activity:

Air Force - 12

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Review Activities:

Project No. 2845-F014

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Review/user information is current as of the date of this document. For further coordination of changes to this document, draft circulation should be based on the information in the current DOD Index of Specifications and Standards.