

INCH-POUND
MIL-C-85717(AS)
AMENDMENT 1
30 November 1990

MILITARY SPECIFICATION

CARTRIDGE, 20 MILLIMETER, SEMI-ARMOR PIERCING
HIGH EXPLOSIVE INCENDIARY, PGU-28/B

This amendment forms a part of MIL-C-85717(AS), dated 12 August 1986, and is approved for use by the Naval Air Systems Command, Department of the Navy and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 1

2.1.1, last line, after "solicitation," add "(see 6.2.1)."

PAGE 2

2.1.1, under "MIL-STD-1235" add

"(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.)"

2.1.2, under "AR-68/48," add

"(Copies are available from the Naval Air Systems Command, Standardization Section (Code 51122E), Washington, DC 20361-5110.)"

PAGE 3

2.1.2, under "Drawings, Naval Air Systems Command," below "1575AS101" add

"1575AS110 Propellant"

2.1.2, under "1575AS110," add

"(Copies of Naval Air Systems Command drawings are available from the Naval Air Technical Services Facility (NATSF) (Code 312), 700 Robbins Avenue, Philadelphia, PA 19111-5097.)"

2.1.2, under "Department of the Army," below "7553815," add

"(Copies are available from the Department of the Army, U.S. Army Information Systems Command (ASQNC-APP-OPP-P), Picatinny Arsenal, NJ 07806-5000.)"

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2.1.2, below "49 CFR 100-199," add

"(Copies are available from the superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402-0001.)"

2.1.2, under "US Army Material Command," below "AMCR 715-505," delete

"(Copies of specifications, standards, drawings, publications, and other Government documents required by contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting activity.)" and substitute

"(Copies are available from the Commander, USAISC-Letter Kenny, Attn: ASQ-NC-DL-OIP, Chambersburg, PA 17201-4186.)"

PAGE 4

3.2.1.6, lines 2 and 3, delete "as specified on Drawing 1575AS100" and substitute "in relation to the case."

PAGE 5

3.3.2.1, second line, after "contamination," add "in excess of foreign material allowance of Drawing 1575AS110."

PAGE 6

4.1, third line, after "requirements," add "(examinations and tests)."

4.1, ninth line, delete "assure" and substitute "ensure."

4.1.1, fifth line, delete "assuring" and substitute "ensuring."

4.1.1, seventh and eighth lines, delete "Sampling in quality conformance" and substitute "Sampling inspection, as part of manufacturing operations, is an acceptable practice to ascertain conformance to requirements, however, this."

4.1.1, ninth line, delete "acceptance of" and substitute "accept"

PAGE 7

Delete in its entirety existing 4.3.1 and substitute

"4.3.1 Calibration of instrumentation. To establish a reference baseline for testing the multi-purpose cartridges specified herein, a reference lot of PGU-27/B 20 millimeter cartridges shall be manufactured. Samples from the reference lot will be fired in an assessment in accordance with AMCR 715-505. The assessed values for pressure and velocity will then be used as the baseline (X_B). This baseline shall require consultation and acceptance by the Government (see 6.2.2)."

PAGE 9

In Table I, in "No. of sample units" column, delete "30" and substitute "30 $\frac{2}{1}$ " for the Projectile torque test and delete "20 $\frac{2}{1}$ " and substitute "20" for the Projective sensitivity test.

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In Table V, in "Sample size of production lot" column, delete "20" and substitute "40" for the Accuracy 6/ test and delete "10" and substitute "20" for the Waterproofness test.

PAGE 16

Under Table V, in 6/, second line, delete "40" and substitute "80."

PAGE 17

Under Table V, delete existing 12/ in its entirety and substitute "12/ Propellant Contamination". The presence of foreign matter in the propellant of any of the test cartridges, in excess of that allowed by Drawing 1575AS110, shall be cause for rejection of the lot."

PAGE 20

4.6.2, delete the second sentence in its entirety and substitute "The time between application of firing pulse and the exit from the muzzle of the projectile shall be measured."

PAGE 21

4.6.7.1, lines 3 and 4, delete "3 calibers" and substitute "one caliber."

PAGE 23

4.6.12.1, second line, delete "512" and substitute "512.3."

4.6.12.2, second line, delete "509.2" and substitute 509.3"

PAGE 25

Below "6. NOTES," add "(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)"

In 6.2.1, add "e. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.1.1)."

PAGES 25 and 26

Delete existing 6.2.2 in its entirety and substitute

"6.2.2 Consideration of data requirements. The following data requirements should be considered when this specification is applied on a contract. The applicable Data Item Descriptions (DID's) should be reviewed in conjunction with the specific acquisition to ensure that only essential data are requested/provided and that the DID's are tailored to reflect the requirements of the specific acquisition. To ensure correct contractual application of the data requirements, a Contract Data Requirements List (DD Form 1423) must be prepared to obtain the data, except where DOD FAR Supplement 27.475-1 exempts the requirement for a DD Form 1423.

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<u>Reference Paragraph</u>	<u>DID Number</u>	<u>DID Title</u>	<u>Suggested Tailoring</u>
3.5	DI-SAFT-80102	Safety assessment report	---
4.3.1	DI-QCIC-80906	Calibration system description	---
4.4.1, 4.5.4	DI-NDTI-80566	Test plan	---
4.4.1, 4.5.4	DI-T-2072	Reports, test	---
5.4	DI-MISC-80043	Ammunition, data card	---

The above DID's were those cleared as of the date of this specification. The current issue of DOD 5010.12-L, Acquisition Management Systems and Data Requirements Control List (AMSDL), must be researched to ensure that only current, cleared DID's are cited on the DD Form 1423."

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6.9, delete the following terms:

"Explosives," "Incendiary ammunition," "PGU-28/B," and "20 millimeter."

Preparing Activity
Navy - AS
(Project No. 1305-ND51)