MILITARY SPECIFICATION

RACK, BOMB EJECTOR, AIRCRAFT
BRU-32/A

This amendment forms a part of MIL-R-85895(AS), dated 28 March 1988, 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

In beneficial comments, fifth line, delete "93" and substitute "53."

PAGE 2

2.1.1, in "Specification and standards," last line, after "solicitation," add "(see 6.2.1)."

2.1.1, under "SPECIFICATIONS,"
add "MIL-B-5087 Bonding, Electrical, and Lightning Protection, for Aerospace
                Systems"

delete "MIL-A-85836 Arming Unit, Zero Retention Force"

2.1.1, under "STANDARDS," delete "MIL-STD-143" and substitute "MIL-STD-970" and delete "MIL-STD-794" and its title and substitute
   "MIL-STD-2073-1 DOD Materiel Procedures for Development and Application of
                Packaging Requirements"

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2.1.1, under "STANDARDS,"
delete "MS-3314" and substitute "MS3314" and delete "MIL-B-5087" and its title.

2.1.1, below "MS3314" 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.)"

Delete "2.1.2 Drawings" and its sentence and substitute
"2.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation."

2.1.2, above "Naval Air Systems Command," add "DRAWINGS."

2.1.2, under "Naval Air Systems Command", add:
"1534AS251 Filter Assembly, Low Pass-EMI

   1534AS462 Arming Unit, Zero Retention Force"

AMSC N/A   1 of 5   FSC 1095
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MIL-R-85895(AS)
AMENDMENT 1

2.1.2, below "1534AS462" delete in its entirety "(copies of specifications, standards, and drawings in connection -------------- activity.)" and substitute
  "(Copies are available from the Naval Air Technical Services Facility (NATSF) (Code 312), 700 Robbins Avenue, Philadelphia, PA 19111-5097.)"

3.1, delete its sentence in its entirety and substitute "When specified (see 6.2.1), a sample shall be subjected to first article inspection (see 6.3.1) in accordance with 4.3."

3.2, last line, delete "MIL-STD-143" and substitute "MIL-STD-970."

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3.6.3, second line, delete "MIL-A-85836" and substitute "NAVAIR Drawing 1534AS462."

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

4.1, fifth line, delete "facility" and substitute "facilities."

4.1, eighth line, delete "tests" and substitute "inspections."

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

4.1.1, first line, delete "must" and substitute "shall."

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

4.1.1, eighth line, 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."

PAGE 6

4.4, last line, delete "(see 6.3)" and substitute "(see 6.2.2)."

4.4.2, fourth and fifth lines, delete second sentence, "These samples shall be identified as A, B, C, D."

PAGE 7

4.5d(4), first line, delete "2,600" and substitute "2,400."

PAGE 9

4.6.2k, first line, delete "2,000" and substitute "2,400."

4.6.2l, second line, delete "2,000" and substitute "2,400."

4.6.3, fourth and sixth lines, delete "300" and substitute "600."

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4.6.5.3, second line, after "MIL-STD-461," add "as modified by NAVAIR Drawing 1534AS251."

4.6.5.6, third line, delete "2,600" and substitute "2,400."

4.6.5.7, second line, before "Procedure II" add "MIL-T-7743."

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4.6.5.10b, second line, delete "2,600" and substitute "2,400."

4.6.5.11, last line, delete "2,600" and substitute "2,400."

4.6.5.15a, first line, delete "2,600" and substitute "2,400."

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5.1, second line, delete "MIL-STD-794" and substitute "MIL-STD-2073-1."

5.2 and 5.3, last line, delete "MIL-STD-794" and substitute "MIL-STD-2073-1."

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

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6.2.1, under "1" add
   "m. When first article is required (see 3.1 and 6.3.1).
   n   Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.1.1)."

Delete 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 contractural 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.

Reference Paragraph	DID Number	DID Title	Suggested Tailoring
4.3, 4.4	DI-T-2072	Reports, test	---

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."

6.3.1, second line, delete "6.2" and substitute "6.2.1."

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Delete existing 6.5 in its entirety and substitute
"6.5 Subject term (key word) listing.

Fuel tanks, multiple carriage
Multiple carriage
Single carriage, 14 and 30 inch suspension stores
Stores, 500 to 2,600 pounds"

PAGE 15

Delete existing table I in its entirety and substitute as shown

"TABLE I. First article inspections – schedule and sequence. 1/

Tests	Test paragraph	Sample A	Sample B
Bomb rack inspection	4.6.1	1	1
Functional test	4.6.2	2	2
Arming unit	4.6.3	3	3
Electric fuze arming	4.6.4	4	4
Manual operation	4.6.5.1	5	X
Electrical characteristics	4.6.5.2	6	5
Electromagnetic compatibility	4.6.5.3	7	X
Lag time determination	4.6.5.4	8	X
Icing	4.6.5.5	9	X
Shock	4.6.5.6	X	6
Vibration	4.6.5.7	X	7
Sand	4.6.5.8	10	X
Temperature shock	4.6.5.9	X	8
High-g	4.6.5.10	11	X
Life	4.6.5.11	12	X
Stress corrosion	4.6.5.12	13	X
Humidity	4.6.5.13	X	9
Fungus	4.6.5.14	X	10
Lock shut firing	4.6.5.15	14	X
Static test	4.6.5.16	X	11
Salt spray/altitude	4.6.5.17	X	12

1/ Inspection sequence is denoted by the numbers in the sample columns.
An X denotes test is not required."

Delete existing table V in its entirety and substitute table V as shown

"TABLE V.   Static test limit loads.

Simulated store characteristics

Store	Lug center	Longitudinal dimension aft of lug 1/	Vertical dimension from top of store 1/
A	30 inch	15.0 inch	1.0 inch
B	30 inch	15.0 inch	16.125 inch
C	30 inch	11.93 inch	10.35 inch

Combined limit loads and moments about reference points (store c.g.) 2/

Condition	Store	Pz vert-ical	Py side	Px longi-tudinal	Mzz yaw moment	Myy pitch moment	Mxx roll moment
1	A	-15,400	11,533	1,833	4,400	38,133	178,133
2	B	-13,818	11,515	-13,818	-21,081	76,350	12,420
3	C	-13,380	11,500	-20,700	-29,052	121,050	1,890

Sign convention

+Px = Longitudinal aft   +Mxx = Roll clockwise looking forward
+Py = Side to port   +Myy = Pitch nose up
+Pz = Vertical up   +Mzz = Yaw nose to port

1/ The centroid of the loads shall act at a point in accordance
    with these dimensions.

2/ All loads are in pounds. All moments are in inch-pounds."