

MIL-H-81735A(AS)  
 AMENDMENT 1  
 9 August 1985

MILITARY SPECIFICATION

HELMETS, FLIGHT DECK CREWMAN'S, IMPACT RESISTANT

This amendment forms a part of Military Specification MIL-H-81735A(AS) dated 19 October 1983, 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.

By this amendment, "plastic shield(s)" is changed to "cranial shell(s)" wherever it appears in the specification.

PAGE 1

1.1, delete and substitute the following:

"1.1 Scope. This specification covers the requirements for impact resistant flight deck crewman's helmets and components (see 6.2.1b)."

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2.1.2, delete and substitute the following:

"2.1.2 Other Government documents, drawings and publications. The following other Government documents, drawings and publications form a part of this specification to the extent specified herein.

DRAWINGS

NAVAL AIR SYSTEMS COMMAND

323AS100 - Cloth Helmet Assemblies, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P

323AS101 - Back Pad Sub-Assembly, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P

323AS102 - Front Pad Assembly, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P

323AS106 - Front Pad, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P

323AS107 - Cranial Shell Sub-Assembly, Back, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P

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- 323AS108 - Cranial Shell Sub-Assembly, Front, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P
- 323AS109 - Back Pad, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P
- 323AS110 - Back Pad Patterns, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P
- 323AS111 - Cap Assemblies, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P
- 323AS112 - Ear Dome Holder Assemblies, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P
- 323AS113 - Cover Assembly, Headband, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P
- 323AS114 - Chin Strap and Tab Strap Assemblies, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P
- 323AS115 - Tab Assemblies, Snap, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P
- 323AS120 - Patterns, Common Parts, Sizes 6-3/4, 7, 7-1/4, 7-1/2, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P
- 323AS121 - Patterns, Crown Section, Size 6-3/4, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P
- 323AS122 - Patterns, Crown Section, Size 7, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P
- 323AS123 - Patterns, Crown Section, Size 7-1/4, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P
- 323AS124 - Patterns, Crown Section, Size 7-1/2, Impact Resistant Flight Deck Crew Helmets, HGU-24/P, -25(V)1/P, -25(V)2/P
- 323AS998 - Helmets, Flight Deck Crewman's and Passenger, Impact Resistant, HGU-25(V)1/P, -25(V)2/P
- 323AS999 - Helmets, Flight Deck Crew Chief, Impact Resistant, HGU-24/P"

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- 3.1, line 2: Delete "impact resistant flight deck crewman's helmets."
- line 3: Delete "unicellular plastic."

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3.3, delete and substitute the following:

"3.3 Design. Unless otherwise specified, the helmets furnished under this specification shall be made of unlined cotton cloth and fitted with impact resistant, varicolored, cranial shells to provide protection to, and identification of, the crewman. The helmets shall be compatible for use with communications head sets and aural sound protectors. Helmets and components shall conform to applicable drawing requirements."

3.4, delete and substitute the following:

"3.4 Construction. Unless otherwise specified, the construction of the helmets and components furnished under this specification shall conform to the following drawings (see 6.2.1d):

323AS100	323AS108	323AS113	323AS122
323AS101	323AS109	323AS114	323AS123
323AS102	323AS110	323AS115	323AS124
323AS106	323AS111	323AS120	323AS998
323AS107	323AS112	323AS121	323AS999"

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3.4.3, lines 2 & 3: Delete "All the regular sewing" and substitute "Unless otherwise specified, all the machine stitching."

lines 6 & 7: Delete third sentence and substitute "The earpiece sections shall be attached to the helmet with Stitch Type 504, 14 to 16 stitches per inch, and then with Stitch Type 301."

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3.4.5.3, line 2: Delete "unicellular."  
line 3: Delete "unicellular."

3.5.1, lines 1 & 2: Delete "unicellular plastic."  
line 5: Delete "unicellular plastic."  
line 8: Delete "tape" and substitute "cloth."

3.5.2, line 3: Add "color" before "application."

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3.6, delete and substitute the following:

"3.6 Identification label. Unless otherwise specified, an identification label, 1-5/6 inches by 3 inches, conforming to DDD-L-20, Type VI, Class I, shall be sewn on the inside back of the cloth helmets. Legible, permanent and durable black markings shall be used on the label. All markings shall be thoroughly dry prior to packaging. Markings shall consist of the following information:

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HELMETS, FLIGHT DECK CREWMAN'S (Type as applicable)  
Size  
30003/323AS100-(applicable dash number)  
Contract No.  
FSCM  
Date of Manufacture (Month & Year)"

3.7, line 5: Delete "shield" and substitute "shell."

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4.3.1, line 4: Delete "unicellular plastic."  
line 13: Delete "(see 6.2.1d)" and substitute "(see 6.2.1h)."  
line 17: Delete "(see 6.2.1e)" and substitute "(see 6.2.1i)."

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4.3.2, delete and substitute the following:

"4.3.2 First article information. Upon completion of the first article inspection program, recommendations regarding the program will be forwarded by the Government Activity responsible for the inspection program (see 6.2.1i) to the contracting officer. One of the approved first article inspection samples of the cranial shells, pads, cloth helmets or assembled helmets, as applicable, will be returned to the manufacturer for use in monitoring production. The other two shells, pads, cloth helmets, or assembled helmets, as applicable, will be destroyed in the first article inspection and shall not be considered as part of the quantity to be delivered under the contract or order."

4.4.1.1.2, line 2: Delete "unicellular plastic."  
line 6: Delete "unicellular plastic."

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4.5.1.1, line 9: Delete "unicellular plastic."

PAGE 13

Table III, item D under "GENERAL": Delete "unicellular plastic."

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Table III, item E under "METALLIC COMPONENTS": After "applicable", add "or loosely clinched with ends of components not completely rolled back."

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Table IV, under "EXAMINE", delete "unicellular plastic."  
under "DEFECT", delete and substitute the following:

"Any measurement deviating from the dimensions and tolerances specified in 323AS100 through 323AS102; 323AS106 through 323AS115, and 323AS120 through 323AS124 as applicable, shall be enumerated as a dimensional defect."

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Table V, under "DEFECT" for exterior and interior weight or content: line 8, delete "shield" and substitute "shell."

5.1.1.1, line 5: Delete "shields" and substitute "shells."

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5.3, line 2: Delete "(see 6.2.1g)" and substitute "(see 6.2.1k)."

5.3.1.1, label information: Delete "FSN" and substitute "NSN."

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5.3.1.2, label information: Delete "FSN" and substitute "NSN."

5.3.1.3, label information: Delete "FSN" and substitute "NSN."

6.1, line 4: After "stations", add "and for use by passengers on Carrier On Board Delivery (COD) aircraft."

lines 4 thru 11: Delete last three sentences.

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6.2.1, delete and substitute the following:

"6.2.1 Acquisition requirements. Acquisition documents shall specify the following:

- a. Title, number and data of this specification, including amendments.
- b. Item desired, i.e., assembled helmets (cloth helmets, with the front and back cranial shells and pads attached); cloth helmets; front or back cranial shells; or front or back pads (see 1.1).
- c. Size of the cloth helmets (see 1.2.1) and the color of the cranial shells (see 1.2.2), as applicable.
- d. Applicable drawings (see 2.1.2).
- e. Applicable Government part number.
- f. Applicable National Stock Number.
- g. Quantity required.
- h. Whether first article inspection is required (see 4.3.1).
- i. Name and address of the first article inspection facility and the name and address of the Government activity responsible for conducting the first article inspection program (see 4.3.2).
- j. Selection of applicable levels of preservation, packaging and packing (see 5.1 and 5.2).
- k. Whether any special markings are required (see 5.3)."

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6.3, line 2: Delete "unicellular plastic."