INCH POUND

MIL-S-7742D

AMENDMENT 1

2 September 1992

MILITARY SPECIFICATION SCREW THREADS, STANDARD, OPTIMUM SELECTED SERIES: GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-S-7742D, dated 25 July 1991, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

1.1, line 2, change to read:

"... screw threads, classes 2A and 2B and classes 3A and 3B...".

PAGE 3

3.1, following third sentence, insert: "If the "Safety Critical Threads" application category is not specified or the application category cannot be feasibly determined, the "Other Threads" application category shall apply."

PAGE 8

3.4.9, delete and substitute:

"3.4.9. Surface roughness. Certain thread applications may require control of the surface roughness of the thread flanks, roots, or crests. The surface roughness requirement shall be specified, if necessary, on the drawing, product specification, or specification sheet. Due consideration shall be given to the practical method of production and the surface roughness commensurate with that method. Unless otherwise specified on the drawing, product specification, or specification sheet, the surface roughness of the thread flanks and roots shall be no greater than 63 microinches R_a for external threads and 100 microinches R_a for internal threads in accordance with ANSI/ASME B46.1."

AMSC N/A 1 of 2 AREA THDS

<u>DISTRIBUTION A.</u> Approved for public release; distribution is unlimited

MIL-S-7742D AMENDMENT 1

PAGE 14

Following 6.2.5.1, insert:

"6.2.5.2 "GO" functional diameter. The "GO" functional diameter is the functional diameter which is defined in ANSI/ASME B1.7M."

Custodians:

Army – AR Navy – AS

Air Force – 11

Preparing activity: Air Force – 11

Project No. THDS-0089

Reviewers:

 $Army-AV,\,MI$

Navy - SH

DISC - IS

Users:

Army - AT, ME