12 March 2012

MEMORANDUM FOR: SEE DISTRIBUTION

FROM: NGB/A7

SUBJECT: ANG Engineering Technical Letter (ANGETL 12-11), Compliance with Metric Standards

TO: SEE DISTRIBUTION

1. PURPOSE: This ANGETL provides guidance for compliance with unified facilities design and construction criteria for planning, design and construction on ANG Installations. This ETL supersedes ANGETL 01-03 Metric Design Requirements.

2. APPLICATION.

2.1 Effective Date: Immediately

3. REFERENCES:

3.1 Public Law
   a. Public Law 94-168 (Metric Conversion Act of 1975)
   b. Public Law 104-289 (Savings in Construction Act of 1996)
   c. Executive Order 12770 of July 25, 1991


3.3 Standards:

4. DESCRIPTIONS AND IMPLEMENTATION:

4.1 Applicability: The use of metric standards applies to ANG installations, Air National Guard Military Construction Program (MCP) projects, Sustainment, Restoration and Modernization (SRM) projects and all ANG works of repair and improvement.

4.2 General Guidance: Air National Guard facilities shall be in compliance with the MIL-STD-3007F as per USD(AT&L) Memorandum. MIL-STD-3007F exclusions are in Paragraph 4.5 reproduced in part below.
“4.5 Metric. Public Law 94-168 designates the SI system of measurement as the preferred system of weights and measures for United States trade and commerce. Executive Order 12770 requires the use of the metric system in Federal acquisitions except when such use is ‘impracticable or is likely to cause significant inefficiencies or loss of markets to United States firms.’...

Generally, design and construction of new or renovated facilities shall use the SI system of measurement, unless such use leads to inefficiencies. The design agent/program manager is responsible for making the determination on whether or not to use the SI system of measurement on a project-by-project basis. Customers’ preferences or limited designer experience are not adequate justifications on their own for eliminating metric use, but may be part of the decision process. Decisions to not use the SI units must be justifiable and documented in the permanent project files. Where request for proposals (RFP) or similar alternatives to the design-bid-build process are used, the RFP may be issued in dual units (inch-pound and SI) with the requirement that each indicate the system of units to be used by the contractor throughout. For any type of project for any service, do not use dual units on the drawings.”...

4.3 Determination for Exclusion: Any request for an exclusion shall be prepared by the requester and coordinated through the Base Civil Engineer (BCE). The BCE has the authority to grant a determination for exclusion from the use of the metric system within the limits of the exclusions in Paragraph 4.5 referenced above. Determinations for exclusion from the use of the metric system shall be documented in the official files (see Attachment 1).

5. POINT OF CONTACT FOR THIS ANGETL: The point of contact for this ANGETL is Mr. Lawrence Ludwig, P.E., Assoc. DBIA, NGB/A7OT at (240) 612-8081, DSN 612-8081, or email: larry.ludwig@ang.af.mil.

[Signature]
WILLIAM P. ALBRO, P.E., GS-15
Director of Installations and Mission Support

Attachment:
(1) Determination for Exclusion letter sample
(2) Current ETL Index

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