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STANDARDS & GUIDANCE BRIEF · UNITED STATES · MILITARY STANDARD (CANCELED)

MIL-STD-45662A

Calibration Systems Requirements

DOCUMENT	QES-WP-138, Rev B	DATE	November 7, 2026
ISSUED BY	US Department of Defense	PREPARED BY	Conner Davidson
EDITION	Revision A (1988)	STATUS CHECKED	October 24, 2026
INDUSTRIES	Aerospace & Defense, Laboratories & Calibration, Government & Defense Suppliers	ONLINE	qesisbest.com/standard-mil-std-45662a.html

CANCELED Canceled in 1995. Its successors, ANSI/NCSL Z540-1 and Z540.3, have since been withdrawn too; a modern flowdown names ISO/IEC 17025 or ISO 10012.

What It Covers

Requirements for a calibration system controlling the accuracy of measuring and test equipment, including traceability, intervals, records, and out-of-tolerance evaluation.

Who It Applies To

Only where an existing contract still invokes it.

Key Requirements

- Traceability of calibrations to national standards.
- Calibration intervals set and adjusted on evidence.
- Evaluation of product impact when equipment is found out of tolerance.

What an Auditor Asks to See

- How your calibration system meets the cited clause, mapped to ISO/IEC 17025 or ISO 10012.

Where Systems Fall Short

- Calibration suppliers chosen without checking their accreditation scope.

How QES helps. Calibration system reviews, and flowdown language updated to current standards. See the gap assessment: qesisbest.com/services.html#gap-assessment · +1 (401) 246-3204 · mweeden@qesisbest.com

Sources, checked October 24, 2026. ASSIST Quick Search — Defense specifications and standards, status records — quicksearch.dla.mil.

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