

**1 JUNE 1996**

**Maintenance**

**ENGINEERING DATA**



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Certified by: HQ USAF/LGM  
(Col David R. Zorich)

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### ***SUMMARY OF REVISIONS***

**This document is substantially revised and must be completely reviewed.**

This Air Force policy directive has been rewritten to reflect changes for reporting types of deliverable media received, including metric revisions.

- 1.** Engineering data are fundamental to logistical support of the Air Force's combat units. The Air Force needs complete and accurate engineering data to produce, reprocur, repair, or modify weapon systems and equipment. Therefore the Air Force needs policies for acquiring, creating, and managing engineering data.
- 2.** The Air Force will acquire or have online access to product technical data packages in a digital media to meet minimum logistics needs to sustain newly developed or modified systems and equipment per the Program Acquisition Plan. Deviations are requested as provided in AFI 21-403.
- 3.** The Air Force will maintain official engineering data within the Engineering Data Service Centers (EDSC).
- 4.** EDSCs will be established to receive, index, reproduce, store, distribute, and control data when approved by authorities outlined in AFI 21-401, *Engineering Data Distribution and Control*.
- 5.** The Air Force will use standard practices to prepare, approve, authenticate, release, and revise Air Force engineering drawings and associated lists.
- 6.** The following responsibilities and authorities are established:
  - 6.1.** HQ USAF/LG oversees the engineering data program and publishes guidance on acquiring, creating, distributing, storing, and handling engineering data.

6.2. HQ USAF/LGM prepares directives on engineering data and guides the major commands' (MAJCOM) use of these directives.

6.3. Each directorate in HQ USAF/LG helps MAJCOMs and subordinate units manage engineering data within its area of responsibility.

6.4. HQ USAF/LGMM establishes and chairs the Air Force Engineering Data Group for the timely and effective establishment of policies for accomplishment of tasks and initiatives concerning the acquisition, development, preparation, storage, distribution, and management of engineering data within the Air Force.

6.5. MAJCOMs establish and carry out instructions to comply with this directive. If a MAJCOM gains an Air Reserve Component (ARC) unit, it will incorporate the ARC needs for engineering data into its programs.

6.6. SAF/AQX and SAF/AQC consult with HQ USAF/LG on any proposed changes in Department of Defense (DoD) policy and planning guidance that affect engineering data. This guidance appears in DoD Instruction 5000.2, *Defense Acquisition Management Policies and Procedures*, February 23, 1991, as well as the Federal Acquisition Regulation (FAR), Defense Federal Acquisition Regulation Supplement (DFARS), and Air Force Federal Acquisition Regulation Supplement (AFFARS).

7. This policy directive applies to everyone who acquires, creates, manages, or uses engineering data within the Air Force.

8. This policy interfaces with DoD Instruction 5000.2; DFARS Subpart 227.4, *Patents, Data, Copyrights*; AFI 21-401, *Engineering Data Distribution and Control*(formerly AFR 67-28); AFI 21-402, *Engineering Drawing System* (formerly AFRs 81-10 and 81-11); AFI 21-403, *Acquiring Engineering Data* (formerly AFR 800-34); AFI 21-404, *Communications-Computer Systems Installation Records*(formerly AFR 700-28); AFI 21-405, *Engineering Support for Items Supplied by DLA* (AFR 400-40, Joint Departmental Publication [JDP]); and AFI 21-406, *Requisition and Interchange of Engineering Data* (AFR 67-4[JDP]).

9. See [Attachment 1](#) for measures used to comply with this policy.

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## Attachment 1

### MEASURING COMPLIANCE WITH POLICY

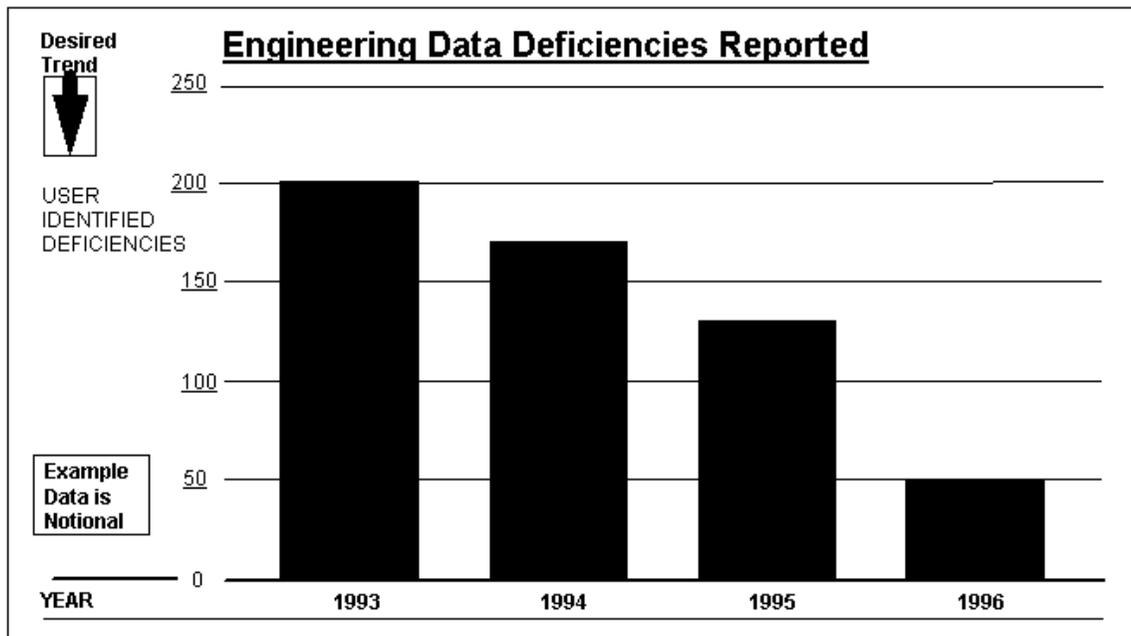
**A1.1.** HQ USAF/LGM will determine the success of this policy by evaluating information from program agencies on user-identified deficiencies and delivered TDP media. The agencies will report measurements quarterly through their MAJCOMs to HQ USAF/LGM.

A1.1.1. HQ USAF/LGM will measure the quality of engineering data by asking users to report deficiencies found in data provided by Category V EDSCs through the USAF Deficiency Reporting and Investigating System (TO 00-35D-54), and then gathering this information in the report on user identified correctable deficiencies (**Figure A1.1.**). HQ USAF/LG will chart measurements quarterly and report them annually, with the goal being zero deficiencies per year (RCS: HAF-LGM [A] 9315), *Engineering Data*.

A1.1.2. HQ USAF/LGM will measure engineering data delivery by charting the types of media used to deliver engineering data packages to Category V EDSCs and then gathering this information in the report on delivered media (**Figure A1.2.**). Delivery media types measured are microfilm (roll and aperture card), full size reproducible drawings, and digital data media. HQ USAF/LGM will chart measurements quarterly and report them annually, with the goal being 100 percent digital deliveries (RCS: HAF-LGM[A] 9315).

A1.1.3. Engineering Data (RCS: HAF-LGM[A] 9315) is designated emergency status Code D. Discontinue reporting during emergency conditions. Discontinue reporting during MINIMIZE.

**Figure A1.1. Sample Metric of Engineering Data Deficiencies Reported by Users.**



**Figure A1.2. Sample Metric of Delivered Media.**

