



Tri-Service Interactive Electronic Technical Manual (IETM) Technology Working Group

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CALS Expo USA '97, 15 October 1997

Tri-Service IETM Technology Working Group

- Reports to OSD(CALS) Office
- Established 24 August 1989
- Major Accomplishments: 3 IETM Specs
 - MIL-M-87268 (now MIL-PRF-87268)
 - MIL-D-87269 (now MIL-PRF-87269)
 - MIL-Q-87270 (cancelled)
- Revised Charter - 10 June 1997
 - Incorporated JLC goals

Purpose

- To foster the exchange of ideas and the agreement on a common approach regarding the acquisition of IETMs, which use computer technology for the innovative display and presentation of technical manual information among all Department of Defense agencies.

Membership

- **Navy** - Naval Surface Warfare Center Carderock Division (2052), Bethesda, Maryland, Chair
- **Army** - USAMC Logistic Support Activity (AMXLS-AP), Huntsville, Alabama
- **Air Force** - USAF Product Data Systems Modernization Office, WPAFB, Dayton, Ohio
- **Marine Corps** - Marine Corps Systems Command (PSD-M4), Quantico, Virginia
- **Liaison Activities:**
 - JCALS Program Office
 - CALS Industry Steering Group (Hypermedia Information Systems)

Responsibilities

- Serve as an activity for IETM Technology Exchange among the Services
- Determine requirements for DoD, commercial, and international IETM-related specifications and standards
- Serve as DoD focal point for technology and standardization of IETMs, including identification of:
 - processes to develop & support IETMs
 - currently available technology & standards
 - voids/issues in IETM technology & standards
 - potential tasks to resolve these voids/issues on a DoD-wide basis

Responsibilities (Cont.)

- Develop and update the IETM Technology Roadmap, and carry out specific technical tasks
- Serve as technical point of contact to Industry associations, Government activities, and international standards activities
- Investigate and provide technology/standardization recommendations to DoD and Services on interface/integration of IETMs with training, advanced diagnostics, and logistic support systems

Responsibilities (Cont.)

- Provide new architecture for IETM interoperability which meets Joint Logistics Commanders (JCG/CE) goals:
 - develop uniform approach for electronically communicating and accessing technical data throughout the DoD
 - maximize use of commercial off-the shelf technology in the process
 - develop a common user/information interface for field delivery systems

FY97 Technical Initiatives

- DoD IETM Interoperability
- DoD IETM Acquisition Guidance
- DoD Maintenance Symposium and Exhibition Support
- IETM Technology Exchange Workshop

Points of Contact

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- Army- Judy Brisson, LOGSA, 205-955-9843, email: jbrisson@logsa.army.mil
- Air Force: Steve Holloway, PDSTM, 937-427-5869, email: hollows@afcpo.wpafb.af.mil
- Marine Corps: Beth Barnetson, MCSC, 703-784-4683, email: barnetsonb@quantico.usmc.mil

What Are IETMs?

- Functional Equivalent of Paper Technical Manuals
- Viewed on an Electronic Display
- Formatted for Screen, not Page
- Interactive with the User
- Implements Data Base Philosophy of CALS

NSWC/CD R&D in 70's & 80's Leading to IETMs

- Concept Formulation
 - Examined TM problems across Navy SYSCOMS
 - Identified emerging technologies (ADP, HFE, Logistics)
 - Determined feasibility of replacing Paper TMs with IETMs
 - Worked closely with Army and Air Force R&D Activities
- System Development
 - Identified IETM requirements (23 sites, 400 personnel)
 - Developed prototype system- NTIPS
- Field Tests with Measurable Results
 - F-14A test at NAS Miramer
 - AN/SPA-25D test at SURFLANT Norfolk
 - F/A-18 test at MCAS Beaufort

IETM Payoffs

- Faster and more accurate maintenance
- Better performance by less experienced technicians
- Reduced false removal of good parts
- Reduced training time
- Eliminate Fleet time to maintain paper TM changes
- Technicians want them