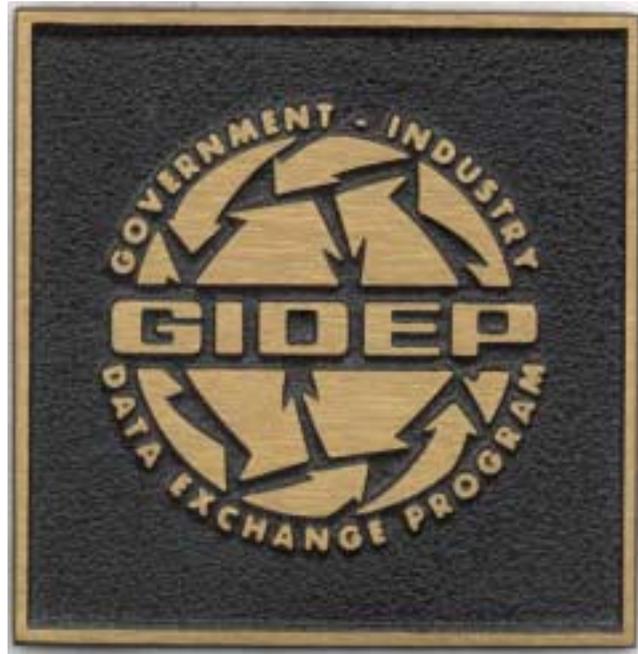


GIDEP-Lessons Learned



Bob Bennett

Program Director

GIDEP Operations Center

bennetra@corona.navy.mil

(909) 273-4303, DSN 933-4303



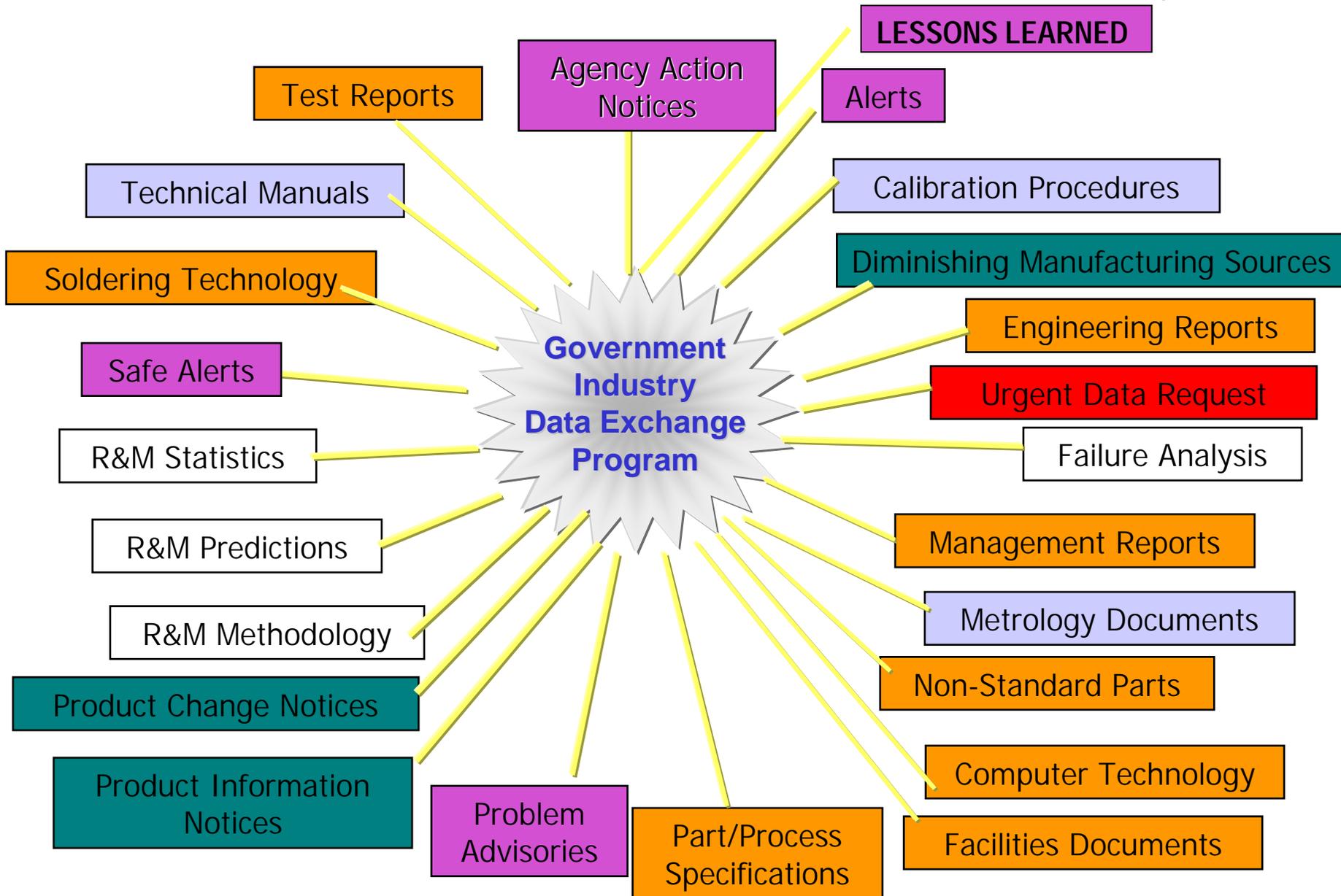
To Be Covered...

- *GIDEP – What is it?*
- *The types of FED documents, in general*
- *Lessons Learned, in particular*
 - *Characteristics*
- *Success stories*
- *Conclusion – Where are we going from here?*

History

- 1958** -- *Army, Navy, Air Force Team Established. Ballistic Missile Engineering Data. (IDEP)*
- 1965 - 1966** -- *NASA and Canada Joined. Alerts Introduced*
- 1970** -- *JLC Adopted Program and Sponsorship. Naval Warfare Assessment Division Lead*
- 1987** -- *Department of Energy Joined GIDEP*
- 1991** -- *OMB Policy Ltr. 91-3. Major Federal Executive Agencies Join*
- 1992** -- *On-Line System Introduced. Rapid Electronic Distribution Replaces Hardcopy*
- 1996** -- *World-Wide Web access*

GIDEP DATABASE - What's in it for you?





Failure Experience Data

- Goal: Remove non-conforming parts before they become part of your product/system and reduce the risk of loss of life or property
- FED document types include:
 - ALERT's
 - SAFE-ALERT's
 - Problem Advisories
 - Agency Action Notices
 - **Lessons Learned**



Lessons Learned

- **Document Designator = LL**
- **Newest Failure Experience Data document type, started in FY '99**
- **Currently 179 “records” (LL documents) available in the GIDEP web-based database**
- **Other “lessons learned” documents in Failure Experience, Metrology, and Reliability, even an Urgent Data Request!**



Urgent Data Request (UDR)

- An Urgent Data Request is:
 - Included under FED types
 - Easiest way to interrogate the GIDEP network of government and industry activities
 - Requests information not available through normal resources
 - Several UDR's have requested Lesson Learned information not found elsewhere



What Are the Benefits of Using FED?

- Remove non-conforming parts before they become part of your product/system
- Avoid recalls or replacement in the field
- **Make use of a reservoir of “corporate knowledge”**
- Generate Prevention of Unplanned Expenditures for your Utilization Report
- **Reduce the risk of loss of life or property**



LL Success Stories

- **ACTIVITY:** JOHN C. STENNIS SPACE CENTER **PC-CODE:** CD1
- **REFERENCE No.:** CD1-2001-004
-
- **NARRATIVE:**
- THIS ISSUE BEING ADDRESSED PRIOR TO THIS NOTICE BY SSC/MSS COMPONENT ENGINEERING.
-
- FURTHER SUPPORT FOR EXISTING CONCERN WITH FLOW RATES FOR PRESSURE RELIEF.
-
- **PROGRAM AFFECTED:** N/A
- **DOCUMENT NR:** LL-U-01-41
- **PREVENTED** \$0
- **AGENCY:** NASA

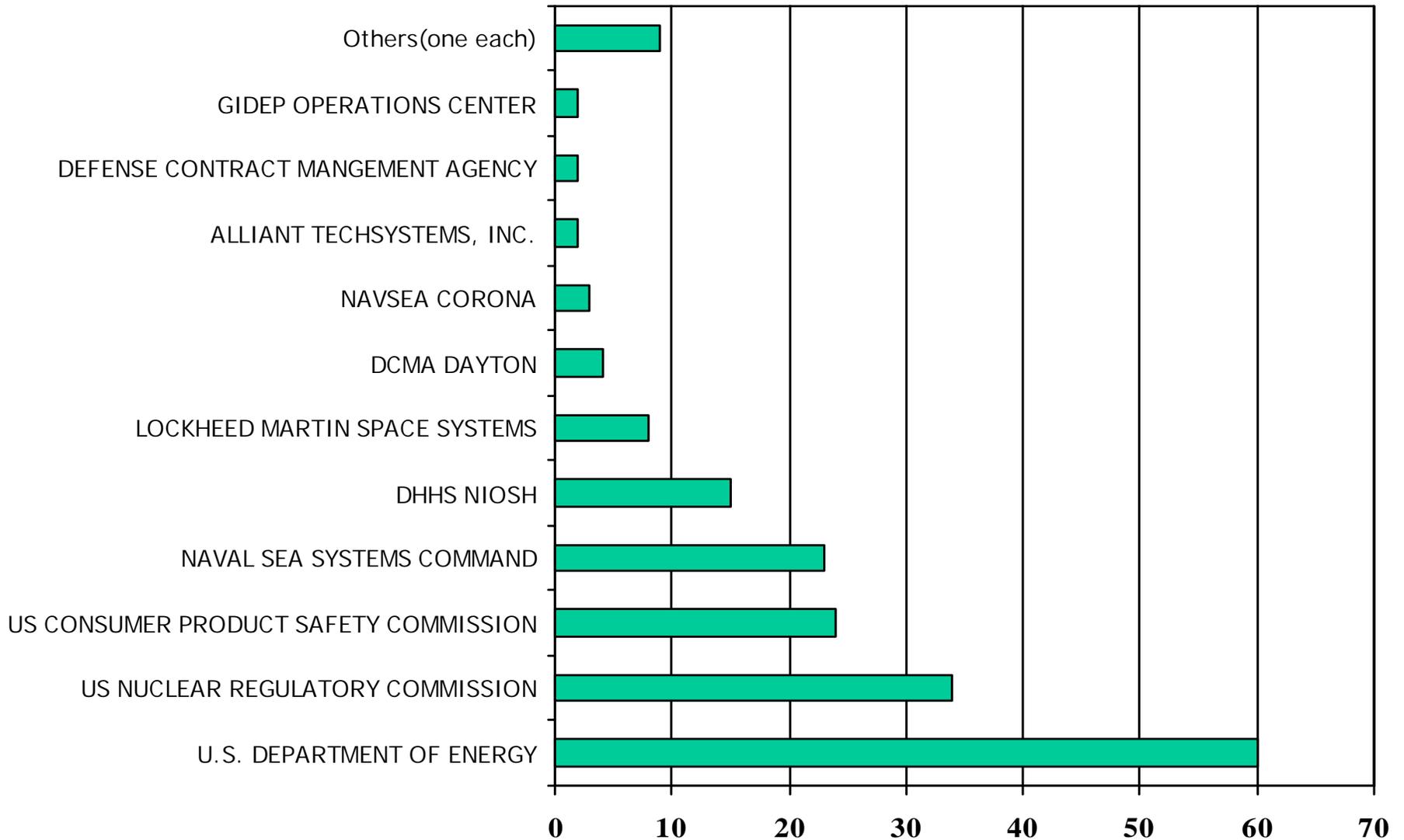
LL Success Stories

- **ACTIVITY: SCIENCE APPLICATIONS INT'L CORP.** **PC-CODE: PX6**
- **REFERENCE NUMBER: PX6-2001-001**

NARRATIVE:

- SCIENCE APPLICATIONS INTERNATIONAL CORPORATION (SAIC) USES THE GIDEP DATABASE ALONG WITH OTHER DATABASES TO IDENTIFY LESSONS LEARNED FOR INCLUSION IN THE DOE NATIONAL NUCLEAR SECURITY ADMINISTRATION'S LESSONS LEARNED PORTAL. IN PARTICULAR, GIDEP ASSISTS THE DOE BY PROVIDING PAST EXPERIENCES TO SIMILAR SITUATIONS SO THAT PROBLEMS AND ERRORS DO NOT RE-OCCUR WITHIN THE DEPARTMENT. DURING FY 2001, SAIC REVIEWED OVER 300 GIDEP DOCUMENTS BY TITLE AND CONTENT. THE 7 DOCUMENTS IDENTIFIED IN THE TABLE WERE DETERMINED TO CONTAIN PERTINENT LESSONS LEARNED FOR DOE AND ITS SITES. SINCE THIS CENTRALIZED REVIEW AVOIDS SEPARATE REVIEWS BY THE MANY DOE SITES AND AGENCIES, AND KNOWLEDGE OF THE CONTENT OF THE DOCUMENTS ALLOWS DOE TO AVOID COSTS OF UNANTICIPATED BREAKDOWNS, THE DOE ESTIMATES THAT IT AVOIDS AS MUCH AS \$20,000 IN COSTS FOR EACH GIDEP WARRANTING DISTRIBUTION, FOR A TOTAL OF \$140,000 FOR THE 7 DOCUMENTS IN THE TABLE
- **PROGRAM AFFECTED:** LESSONS LEARNED
- **DOCUMENT NR:** LL-U-01-42
- **PREVENTED** \$140,000
- **AGENCY:** DOE

Lessons Learned Submittals





Lessons Learned in GIDEP

- **Lessons Learned into database within 48 hours**
- **Lessons Learned Reports reviewed average of 40 times by Users**

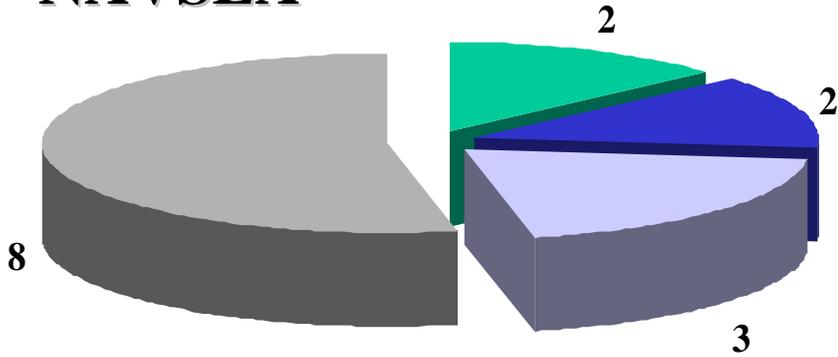
88 SAFETY ENGINEERING
16 NUCLEAR TECHNOLOGY
12 PROTECTIVE EQUIPMENT
8 HARDWARE
5 MEDICAL SCIENCES
5 VEHICLES
4 VALVES
3 CONNECTORS
3 HAZARD MATERIALS
3 HAZARDOUS WASTE
2 CHEMICALS
2 CONTAINERS
2 FASTENERS

2 FUELS
2 GENERATORS
2 HEAT EXCHANGERS
2 HEATING EQUIPMENT
2 SHIPS
1 AIRCRAFT
1 CIRCUIT PROTECTION
1 COMMUNICATIONS
1 CONSTRUCTION
1 DIODES
1 ELECTRONIC COMPONENTS
1 ENGINES
1 ENVIRONMENT STUDIES

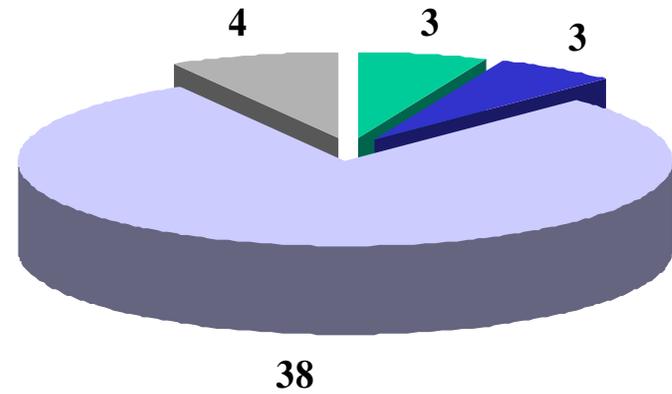
1 EXPLOSIVES
1 HOSE
1 LIGHT SOURCES
1 MATERIALS
1 MATERIALS HANDLING
1 MECHANICAL DRIVES
1 POWER DISTRIBUTION
1 POWER SUPPLIES
1 PUMPS
1 RESISTORS
1 SOLDERABILITY
1 SWITCHES
1 TECHNOLOGY TRANSFER
1 WASTES
1 WELDING

Categories of Lessons Learned

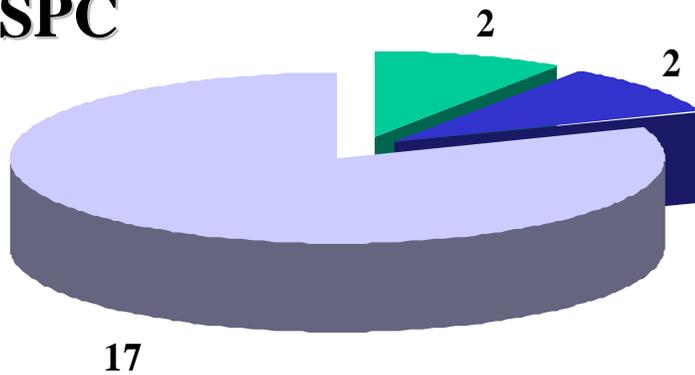
NAVSEA



DOE

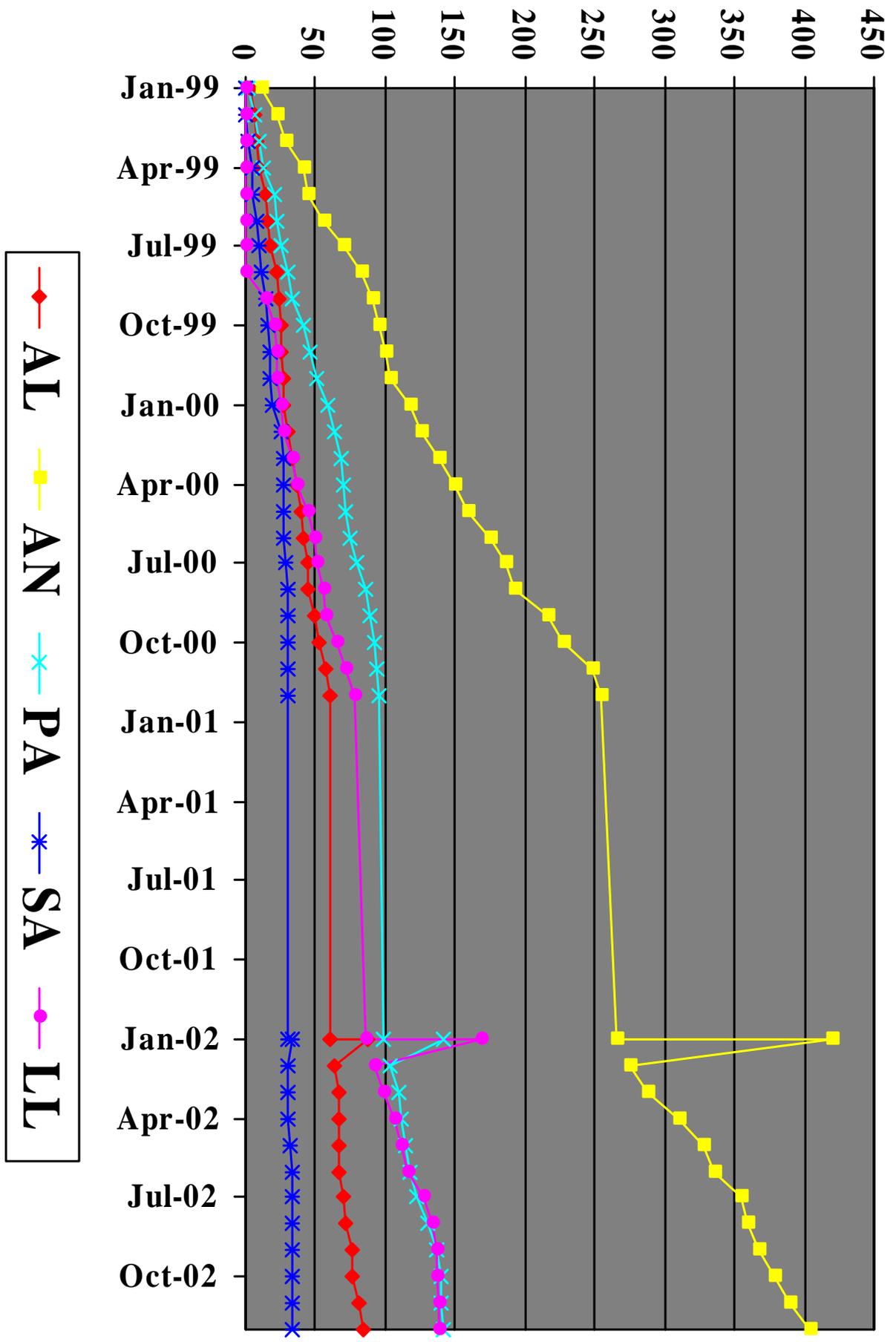


CSPC



Major Submitters of Lessons Learned by Category

Cumulative Submittals of Failure Experience Reports





Where to Next?

- **Center for Army Lessons Learned (CALL)**
 - <http://call.army.mil/>
- **Lessons Learned in Peacekeeping**
 - <http://www.un.org/Depts/dpko/lessons/>
- **Navy Combined Automated Lessons Learned (CALL)**
 - <http://www.nawcad.navy.mil/call/>
- **Coast Guard**
 - <http://www.uscg.mil/hq/g-m/lessons.htm>