



SOLE SUPPORT TO LEAP WG

SOLE REPRESENTATIVE TO LEAP:

Mr. Kenneth H Brockel

**SOLE APPLICATIONS DIVISION DIRECTOR FOR
DEFENSE**



What is SOLE?

- Founded in 1966, SOLE - The International Logistics Society is an *international, non-profit professional* society
 - of *individual and corporate* members
 - dedicated to the advancement of the *art and science of logistics* technology and management
 - through *literary, educational and scientific* endeavors.
- The Society's *chapters and members* engage in a wide variety of professional activities in pursuit of this objective in over 55 countries throughout the world



Technical Application Divisions

- Commercial
- Configuration/Data Management
- Defense
- Environmental
- Logistics Chain Management
- Management and Strategy
- Space
- Supportability Engineering



Local Chapters

Meeting Member Needs at the Local Level

Districts and Chapters in the United States

Northern Mountain - 8

- Colorado,
- Idaho,
- Montana,
- Utah,
- Wyoming

North Central - 4

- Illinois,
- Indiana,
- Michigan,
- Ohio,
- Wisconsin

Central - 6

- Iowa,
- Kansas,
- Minnesota,
- Missouri,
- North Dakota,
- Nebraska,
- South Dakota

New England - 1

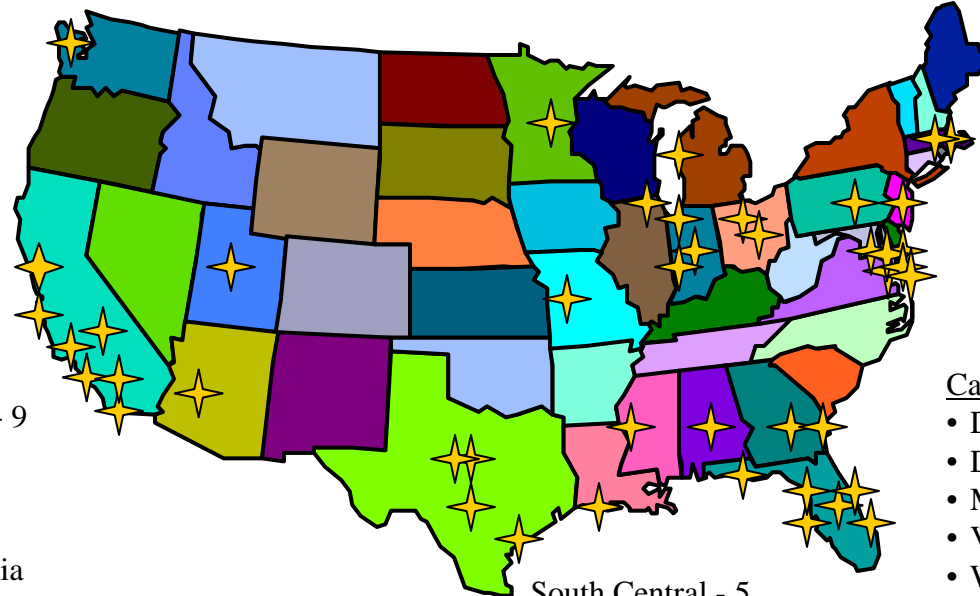
- Connecticut,
- Maine,
- Massachusetts
- New Hampshire,
- Rhode Island,
- Vermont)

Pacific Northwestern - 16

- Alaska,
- Northern California,
- Oregon,
- Washington

Pacific Southwest - 9

- Arizona,
- Hawaii,
- Nevada,
- Southern California



Northeastern 10

- New Jersey,
- New York,
- Pennsylvania

Capital Region - 2

- Delaware,
- District of Columbia,
- Maryland,
- Virginia,
- West Virginia

South Central - 5

- Alabama,
- Arkansas,
- Kentucky,
- Louisiana,
- Mississippi,
- Tennessee

Southern Mountain - 7

- New Mexico,
- Oklahoma,
- Texas

Southeastern - 3

- Florida,
- Georgia,
- North Carolina,
- South Carolina

Numbers indicate District Designation

★ Indicates Active Chapter



SOLE Web Site

- **<http://www.sole.org>**
 - Membership information
 - Calendar of events
 - Points of contact
 - Links to technical information
 - CPL Certification information
 - LEF Scholarship application forms
 - Job board



40th Annual International Logistics Conference and Exhibition

- **SOLE - The International Society of Logistics**
with support from the
[American Competitiveness Institute](#)

- *presents*

- **SOLE 2005**

40th Annual International Logistics Conference and Exhibition

- [Caribe Royale Resort](#)
[Orlando, Florida](#)

- **14-18 August 2005**

Workshops: 14-15 August 2005

Conference: 16-18 August 2005

- **LOGISTICS: PRODUCT AND PROCESS FOR CAPABILITY**

- [See the Conference Flyer](#)
[See the Conference Overview](#)

- [Register online Now!](#)



Customer/Supplier Configuration Control “What is it and how much is needed.”

**Facilitator:
Mr. Kenneth H Brockel
Engineering Consultant**



CONFIGURATION MGT Definition

“Lots of Variation”

- [The] management of security features and assurances - through control of changes made to hardware, software, firmware, documentation, test, test fixtures and test documentation of an automated information system, throughout the development and operational life of a system.
- Configuration Control: 1. After establishing a configuration, such as that of a telecommunications or computer system, the evaluating and approving changes to the configuration and to the interrelationships among system components. 2. In distributed-queue dual-bus (DQDB) networks, the function that ensures the resources of all nodes of a DQDB network are configured into a correct dual-bus topology. *Note:* The functions that are managed include the head of bus, external timing source, and default slot generator functions. 3. [The] process of controlling modifications to hardware, firmware, software, and documentation to ensure the information system (IS) is protected against improper modifications prior to, during, and after system implementation. [INFOSEC-99]



Keep it simple!

- ***Configuration***, "to form from or after," derives from the Latin *com-*, meaning "with" or "together," and *figurare*, "to form." It also means "a relative arrangement of parts or elements." Configuration management therefore refers to managing a relative arrangement of parts or elements. It's as simple as that.
- **Configuration Management** is managing a relative arrangement of parts or elements to assure that the flavor, taste, look, feel functionally, quality, reliability, durability of the product is maintained to the standards set by all the customers and suppliers in the product base market.



CONFIGURATION MANAGEMENT PROCESSES ARE PRODUCT DEPENDANT

- **Aviation**
- **Consumer electronics**
- **Steel/metal processing**
- **Automobiles**
- **Computers**
- **Recreational vehicles**
- **Space Based Products**



WHAT CONFIGURATION CONTROL MEANS FOR SYSTEMS, COMPONENTS/BOARDS/LRU'S, PARTS, AND REWORK?

- **Control of design rest with program mgr in DOD**
- **Design of subsystem parts may be passed to suppliers through performance specifications, certification requirements.**
- **Trace ability necessary for many business sectors.**
- **DOD standardized supply systems are not configuration control friendly.**
- **Level of rework dependant on cost, quality, durability, accessibility, and more.**
- **Cost, mission requirements, product expected life, all play into the level of configuration control that is appropriate for a particular product.**



Lead Free Products for Defense

“What are the CM issues?”

- **Cost impact to project throughout the life cycle**
- **Impact to common components across many systems**
- **Reliability/Durability for difficult environments**
- **Certification/Airworthiness**
- **Repairs at depot and intermediate support**



Lead Free Impact on DOD Mission?

- **Risk Assessment Critical ?**
- **Cost vs. Benefit ?**
- **Industry a key driver to best answer !**
- **Must not adversely impact RMS metrics of systems.**