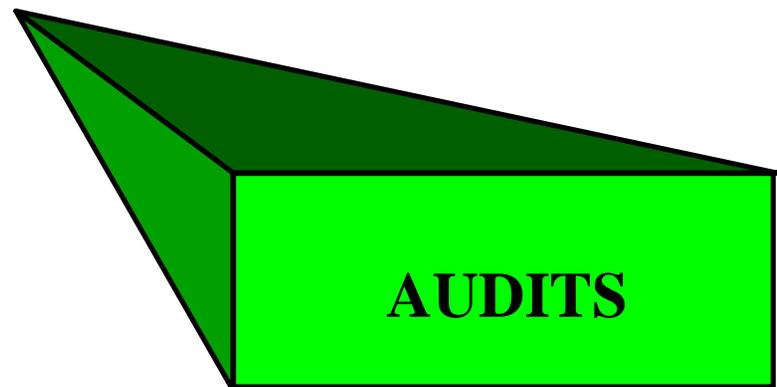
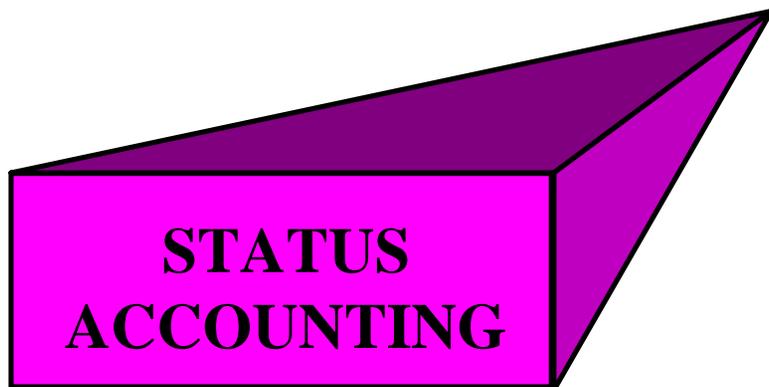


***DSDC Configuration
Management Program
Overview***





DSDC CONFIGURATION MANAGEMENT PROGRAM OVERVIEW

PRESENTED BY: DSDC

For additional information

EMAIL: sepg@dcdc.dla.mil

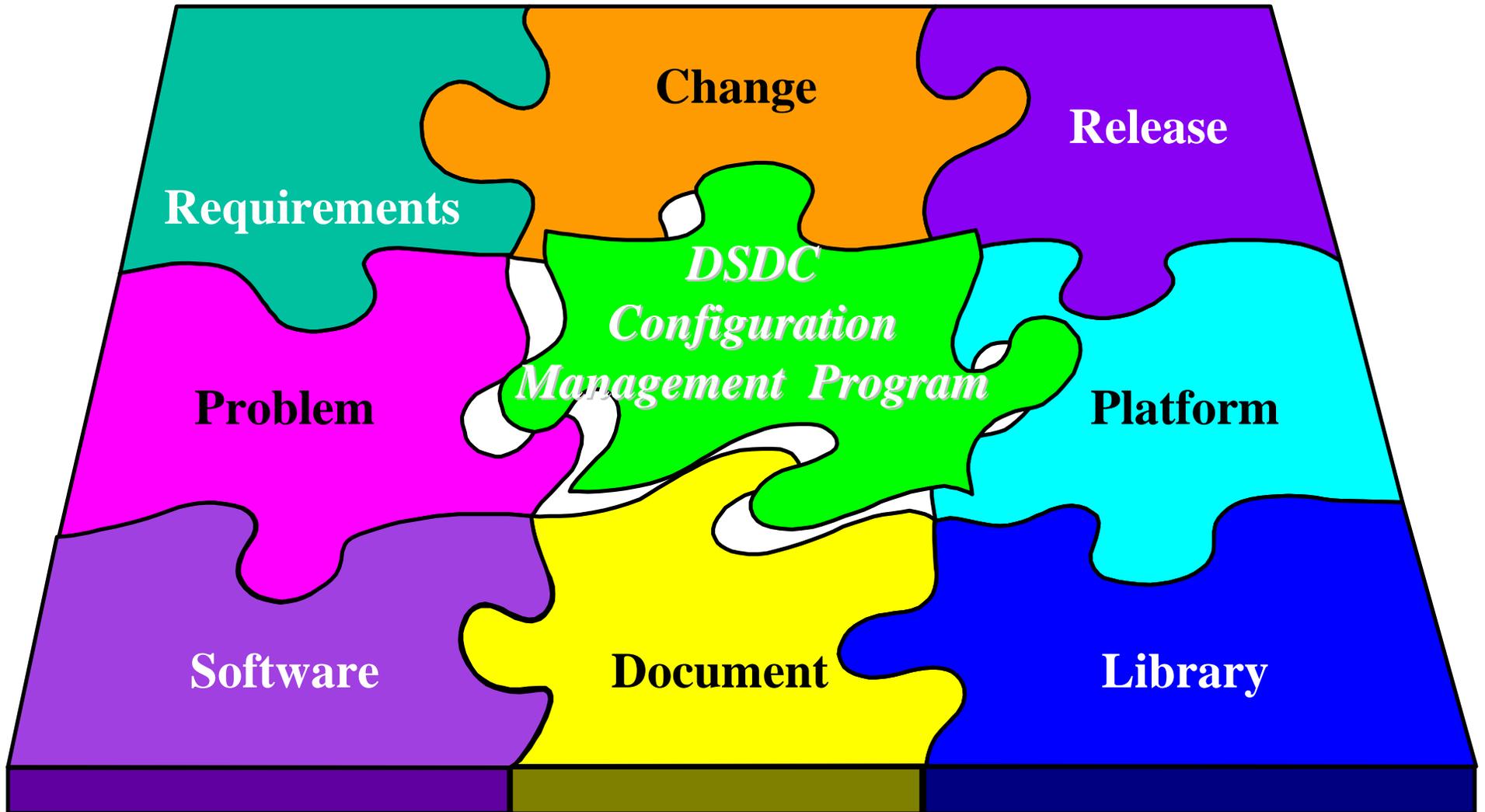
Objectives

This presentation provides an overview of DSDC's Configuration Management Program. At the end of this presentation, the attendees will be able to:

- ◆ **Define Configuration Management and discuss its application in developing software**
- ◆ **Identify the four basic areas of Configuration Management**
- ◆ **Understand the benefits of utilizing Configuration Management practices**
- ◆ **Understand and list the risks of NOT implementing Configuration Management techniques**
- ◆ **Gain a Working Knowledge of the DSDC CM Policy and Guidance for Software Development**



DSDC Configuration Management Program



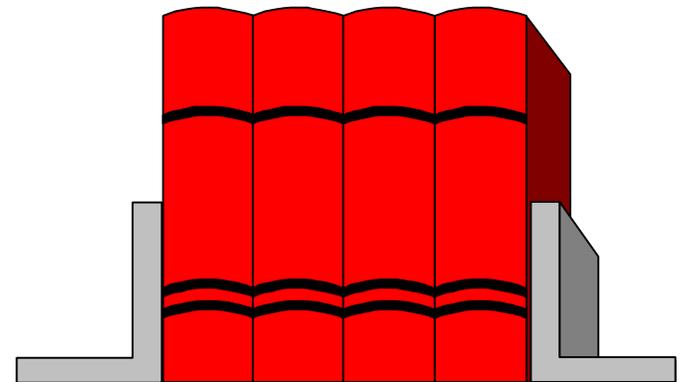
Definition of CM

 **Simple**

 **Industry**

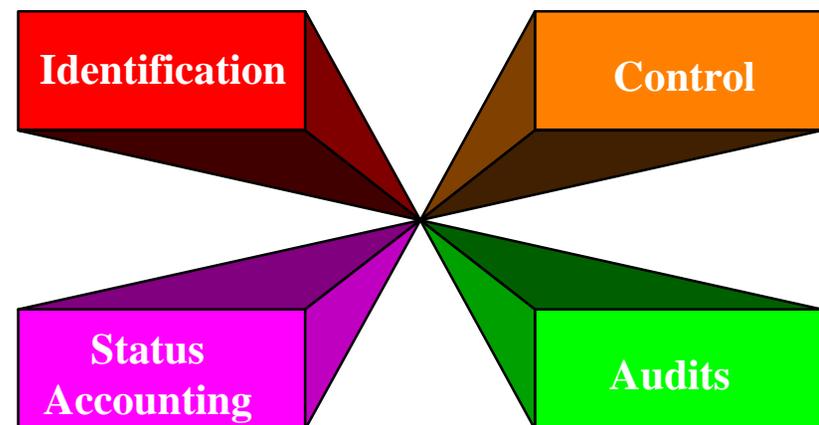
IEEE Std 610.12

EIA/IS 649



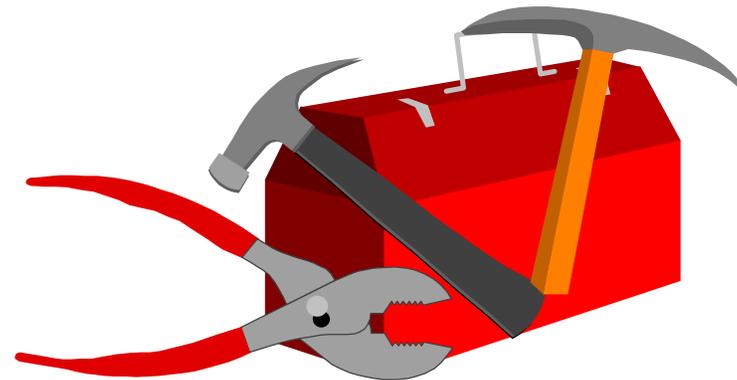
Four Areas of Configuration Management

- **Configuration Identification**
- **Configuration Control**
- **Configuration Status Accounting**
- **Configuration Audits**



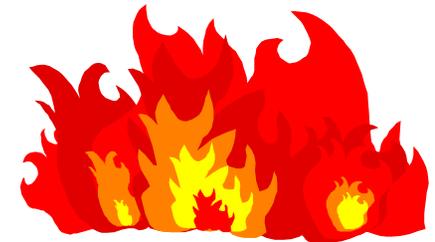
Benefits of CM

- **Controlling Tool**
- **Visibility Tool**
- **Cost-Saving Tool**



Risks of Not Doing CM

-  **Not Delivering Product that Meets Customer Requirements**
-  **Projects Over Budget/Not on Time**
-  **No Control of Changes**
-  **No Visibility to Impact of Changes**
-  **Cannot Sustain CMM Level 2 / Not Competitive**





How CM Improves the Software Engineering Process

- * Making changes in an orderly manner**
- * Minimizing disruption to existing users and developers**
- * Ensuring interoperability**
- * Getting documentation and code to agree**
- * Providing an archive for recovery**
- * Providing data for process improvement**



DSDC Configuration Management Policy

DSDC CM Policy States:

- ➔ For Every Software Project, an Individual Shall Be Assigned by the Director of Release and Configuration Management to Be Responsible for All CM Activities**
- ➔ CM of All DSDC Software Products Will Be Done in Accordance With Industry Standards**
- ➔ System Life Cycle Documentation Shall Be Prepared in Accordance With Military Standards**
- ➔ Periodic CM Audits Will Be Conducted**



DSDC Configuration Management Guidance

DSDC CM Guidance Provides:

- ➔ General Information on the Four Areas of CM**
- ➔ Sample Charters for Establishing CCBs/SCCBs**
- ➔ Guidelines for Selection of Potential Configuration Items**
- ➔ CM Baseline/Milestone Tailoring Guide**
- ➔ CM/SCM Procedures**



DSDC Configuration Management Guidance

FOUR AREAS OF CM	CM GUIDANCE ENCLOSURES (TAB C)
Configuration Identification	CM/SCM Plan Procedure Generic SCMP Template Guidelines for Selection of CIs CM Baseline/Milestone Tailoring Guide
Configuration Control	CM/SCM Change Procedure CM/SCM Baseline Procedure CM/SCM Release Procedure Subcontractor Support Change Procedure
Configuration Status Accounting	Configuration Status Accounting and Reporting Procedure CSA Reporting Guide
Configuration Audit	SCM Audit Procedure

CM Jeopardy

