BRINGING ALL THE PIECES TOGETHER
CONFIGURATION MANAGEMENT

“A process that establishes and maintains consistency of a product’s attributes with its requirements and product configuration information throughout the product’s life cycle.”

CONFIGURATION MANAGEMENT

DoD DEFINITION

“A process that establishes and maintains consistency of a product’s attributes with its requirements and product configuration information throughout the product’s life cycle.”

MIL-HDBK-61, Configuration Management Guidance
TECHNICAL DATA PACKAGE (TDP)

“A technical description of an item adequate for supporting an acquisition strategy, production, and engineering and logistics support.”

MIL-STD-31000, Department of Defense Standard Practice Technical Data Packages
TDP ELEMENTS

- Developmental design drawings/models and associated lists
- Product drawings/models and associated lists
- Commercial drawings/models and associated lists
- Design disclosure
- Data rights
- Special Inspection Equipment (SIE) drawings/models and associated lists
- Special Tooling (ST) drawings/models and associated lists
- Specifications
- Software Documentation
- Special Packaging Instructions (SPI) drawings/models and associated lists
- Quality Assurance Provisions
CONFIGURATION MANAGEMENT ACTIVITIES

– IDENTIFICATION

• Identifying, Documenting, and Verifying the functional and physical characteristics of an item.

• Special Packaging Instruction –
  – Unpackaged Item Dimensions
  – Unpackaged Item Weight
  – Military Method of Preservation
CONFIGURATION MANAGEMENT ACTIVITIES

– STATUS ACCOUNTING

• Recording and reporting the configuration of an item.

• Special Packaging Instruction
  – Technical Data maintained the life of the item
  – Military Method of Preservation
  – Barriers required
  – Cushioning required
  – Containers required
  – Packaging Closure Method (i.e. Heat Sealing . . .)
CONFIGURATION MANAGEMENT ACTIVITIES

– CONTROL

• Controlling changes to an item and its documentation.

• Special Packaging Instruction
  – Request for changes that can affect form, fit or function
  – Updates to reflect latest info or technology
  – Updates to align with changes to the product being packaged, i.e. size, weight or characteristics that impact containers or materials
CONFIGURATION MANAGEMENT ACTIVITIES

– AUDITS

• Providing a complete audit trail of decisions and design modifications.

• Special Packaging Instruction
  – Historical file of all changes since original baseline was established
QUESTIONS???