



NIST

DoD Engineering Drawing & Modeling Working Group (DEDMWG)

MIL-STD-31000

Acquisition Support Subcommittee

Dec 15, 2010

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Acquisition Support Charter

Goal

- Establish and maintain a consistent set of tools to support TDP acquisition for MIL-STD-31000, including:
 - Worksheets
 - Templates
 - Data item descriptions/definitions
 - Documents developed or revised as part of the model based TDP

Scope

- Current MIL-STD-31000, related support documentation and proposed sub-committees output that are defining technical data documentation requirements
- Acquisition support products such as templates, worksheets and automated procurement tools for TDP acquisition
- Consideration will be given to procurement policies and regulations, data item descriptions, data content and delivery requirements
- The products must be adequate for provisioning and sustaining an item throughout its life cycle

Acquisition Support Charter

Milestones

- Identify Team members / Stand up Team Jul 13, 2010
- Review current policy standards, DIDs, acquisition worksheets, and templates for modification In Work
- Develop/modify TDP worksheets, templates, DIDs and acquisition tools to support program acquisition requirements TBD
- Provide/submit TDP acquisition templates, worksheets, etc., for review TBD
- Publish acquisition worksheets, templates for 3D model based TDP TBD

Acquisition Support Considerations

Associated Efforts

- ASME Y14.XX Standards Committees
 - ASME Y14.41 - Propose adding Categories for model types of data (i.e., Categories 1- 5 from product model only to model with associated 2D drawing)
 - Adding a supplement to Y14.100
- Air Force Document 9579776 - Product Data Specification – effort to convert to a MIL-STD
- Best methods to disseminate information
 - Websites/Portals
 - Training classes (Continuous Learning)
 - E-mail distribution

Common Elements of Sub-teams

Data Content Charter

It also defines the elements that make up the TDP, some of which include product model data. It defines a **worksheet** that allows for the **identification of the level, type, format, elements and standards to be used in defining the contents of a specific TDP. It also identifies Data Item Descriptions (DIDs)** that can be used in contracts.

Acq Support Charter

The scope includes acquisition support products such as **templates, worksheets, data item descriptions, procurement tools** and associated training for TDP acquisition...

Data Delivery Charter

TDP Levels

Keep it at current levels: Conceptual, Developmental and Production- **revise the DIDs and worksheet**, another item is to address the timeline, complexity of data (use case), and format.

Data formats (Standardization of formats)

Data exchange/interoperability throughout the lifecycle

Short – Native System

Mid – Neutral Format

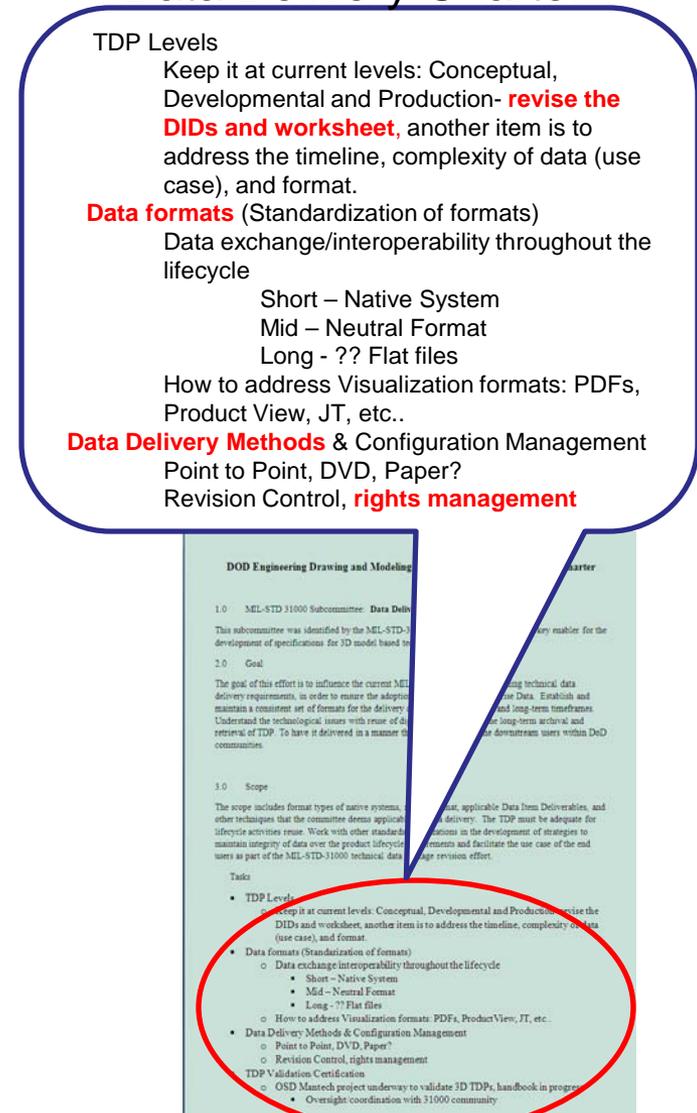
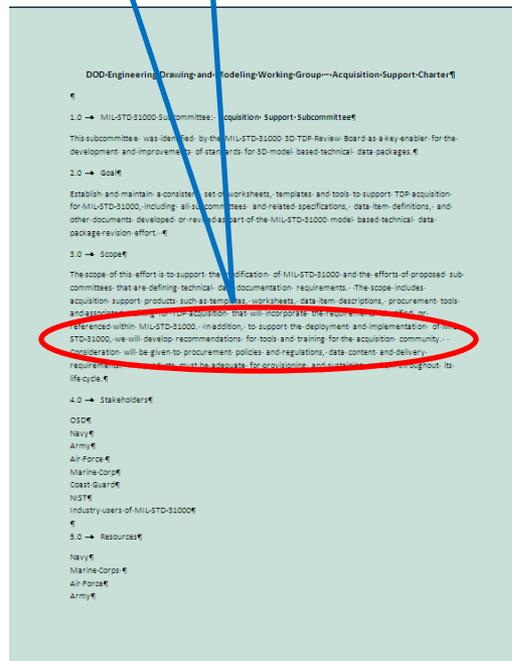
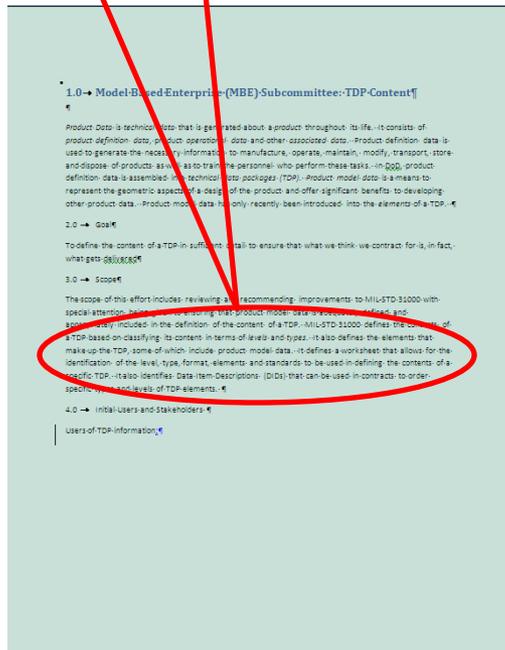
Long - ?? Flat files

How to address Visualization formats: PDFs, Product View, JT, etc..

Data Delivery Methods & Configuration Management

Point to Point, DVD, Paper?

Revision Control, **rights management**

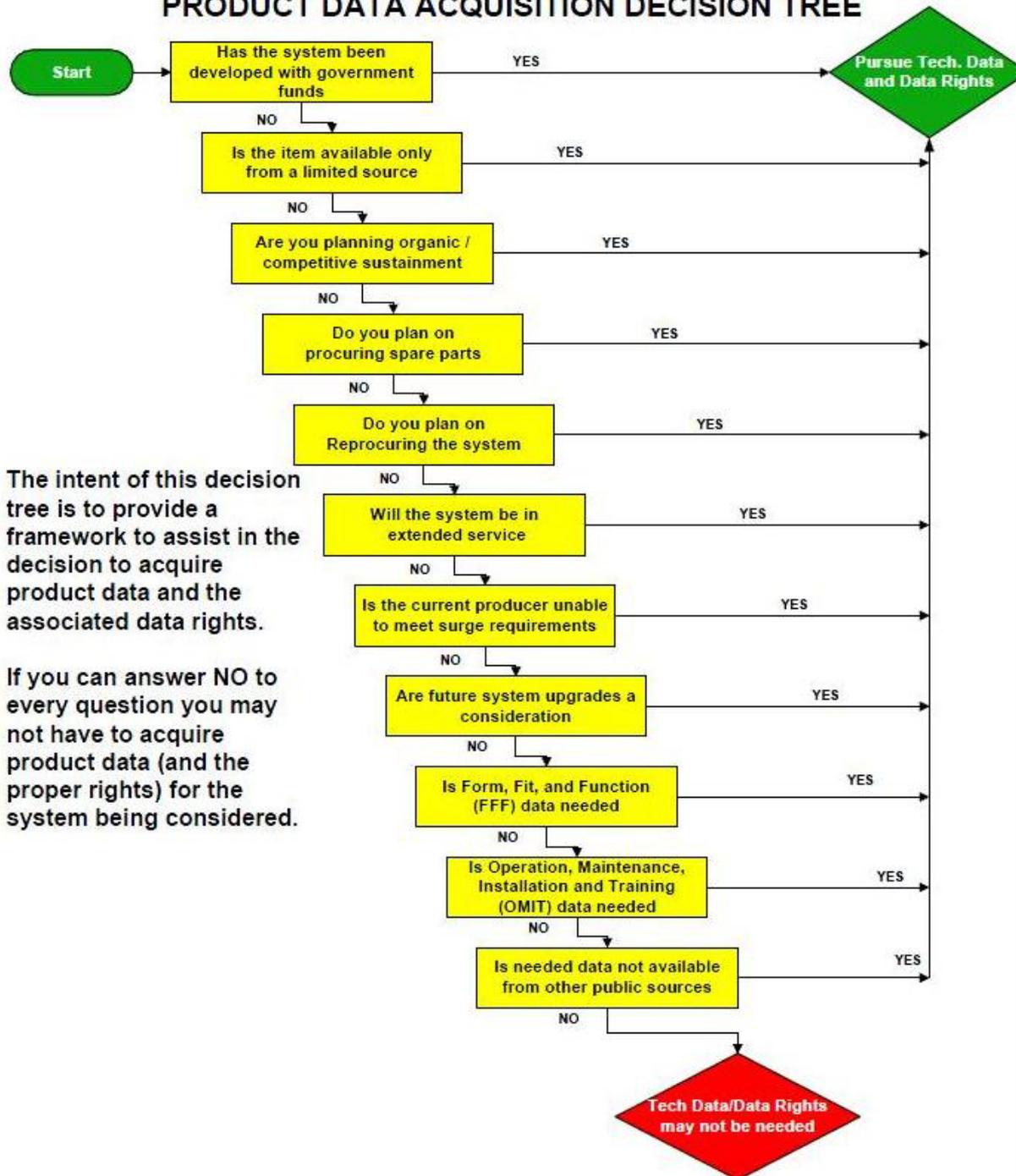


Acquisition Support Workshop

Workshop focus for Dec meeting:

- Work on an architecture- sharing matrix; what we (Services) all need for requirements
- DIDs – develop new DID as all inclusive for elements, including prime equipment, SIE, STE, SE, etc.
- TDP Option Selection Worksheet modification
- DD2554-1 thru -8 -- Identify process to update the DD2554's
- Connect with the other sub-teams—content and delivery-determine impacts to Acquisition Support. Review consistency in our efforts.
- Evaluate Technical Data Decision Tree for technical data within MIL-STD-31000

PRODUCT DATA ACQUISITION DECISION TREE



Questions?