



# **Integrated Product Support Elements Overview 6 June, 2012**

**Mr. Dave Floyd, CPL  
Performance Learning Director,  
Performance Based Logistics**



# Agenda

- **Purpose**
- **Background**
- **The 12 IPS Elements**
- **IPS Element Integration**
- **IPS Element Implementation**
- **The IPS Element Guidebook**
- **What's in it for you?**
- **Summary**



# Background

- In October 2009, Section 805 of Public Law 111-84 established the key leadership position of Product Support Manager (PSM) and reiterated DoD's commitment to life cycle product support management.
- By 2010, the Office of the Assistant Secretary of Defense (ASD) Logistics and Materiel Readiness (L&MR) concluded the seminal work to develop and implement a Product Support Business Model (PSBM) and published a series of Guidebooks to assist the Product Support Manager (PSM) in the execution of his or her duties. These new Guidebooks include the:
  - DoD Product Support Manager Guidebook
  - DoD Product Support Business Case Assessment (BCA) Guidebook
  - DoD Logistics Assessment (LA) Guidebook



# The 12 IPS Elements

- 1 Product Support Management**
- 2 Design Interface**
- 3 Sustaining Engineering**
- 4 Supply Support**
- 5 Maintenance Planning and Management**
- 6 Packaging, Handling, Storage, and Transportation (PHS&T)**
- 7 Technical Data**
- 8 Support Equipment**
- 9 Training & Training Support**
- 10 Manpower & Personnel**
- 11 Facilities and Infrastructure**
- 12 Computer Resources**

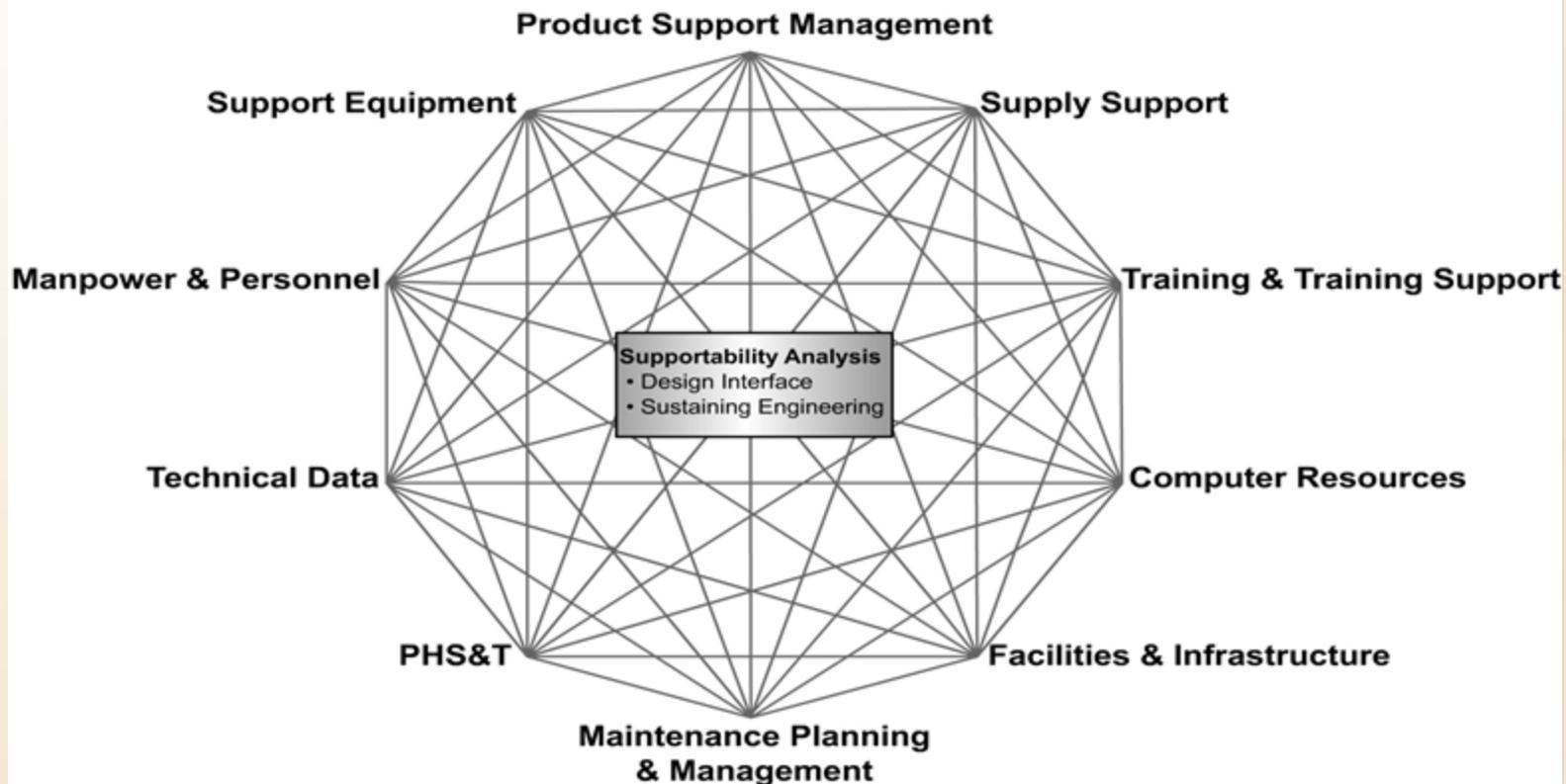


# Product Support Element Migration

Historical	Current	What Changed?
	Product Support Management	New per DTM 10-015
Design Interface	Design Interface	No change
	Sustaining Engineering	New - extends design interface thru O&S
Supply Support	Supply Support	No change
Maintenance Planning	Maintenance Planning & Management	Includes O&S execution responsibilities
Packaging, Handling, Storage and Transportation (PHS&T)	Packaging, Handling, Storage and Transportation (PHS&T)	No change
Technical Data	Technical Data	No change
Support & Test Equipment	Support Equipment	No change, test equipment still included
Training & Training Devices	Training & Training Support	Emphasis on life cycle training strategy and implementation
Manpower & Personnel	Manpower & Personnel	No change
Facilities	Facilities & Infrastructure	Infrastructure greater than brick & mortar buildings
Computer Resources Support	Computer Resources	Computer resources (supporting hardware and software as well as support services) necessary for Product Support



# IPS Element Integration



*The Twelve IPS Elements are integrated throughout the life cycle by supportability analysis which begins with design interface and carries on through to sustaining engineering*



# The IPS Elements and PBL Product Support Implementation

	Integrated Product Support Elements		
	Single	Multiple	All
System Level	Single element for an entire system	Multiple elements for entire system	All elements for entire system
Subsystem Level	Single element for a single subsystem	Multiple elements for a subsystem	All elements for a subsystem
Component Level	Single element for a single component	Multiple elements for a single component	All elements for a single component



# IPS Element Guidebook

- The purpose of the IPS Element Guidebook is to serve as a reference guide and training aid for the Product Support Manager (PSM), Life Cycle Logisticians, and other career field professionals (e.g., cost estimators)
- It picks up where Appendix A of the Product Support Manager (PSM) Guidebook leaves off by:
  - Filling in the specifics of the PSM Activities
  - Increasing the number of PSM activities from 200 to over 500
  - Providing standard definitions for IPS Sub-Elements
  - Adding additional product support information (e.g., who, what, where, when, how and why)



# Scope

**The scope of the IPS Element Guidebook takes Appendix A of the Product Support Manager Guidebook one step further by:**

- **Breaking down the IPS Element sub-topics from two levels of indenture to three or more levels of increasing detail.**
- **Explaining the who, what, where, when, how and why for the major deliverables of each IPS Element by life cycle acquisition phase.**
- **Providing the level of detail is to assist the PSM “Journeyman” in better understanding the scope, products, deliverable scheduling, and associated activities that are within the scope of the Product Support Manager.**
- **Enabling links to other reference documentation for additional information (e.g., the DAG, LCSP, DAU Learning Assets).**
- **Focusing on DoD level policy, Service or Agency level policy is often cited as examples for clarity and to assist the reader in locating relevant information.**

## 2 Design Interface

2.0.1 Objective

2.0.2 Description

### Product Support Manager Activities

2.1 Design for Suitability

2.2 Human Systems Integration (HSI)

2.3 etc.,

### Design Interface in the Life Cycle

A. Purpose

a. Why is Design Interface Important

b. Summary of Activities by Acquisition Phase

B. Data Item Description (DID) Deliverables

C. OSD Proponency, Policy, Regulations and Statutes

a. Proponency

b. U.S. Policy, Regulations and Statutes

D. Who Develops, Delivers and Manages Design Interface

E. When Is Design Interface Delivered and Managed in the Life Cycle

F. How Design Interface Is Developed, Established and Managed

G. Communities of Interest and Practice

H. Lessons Learned / Best Practices

I. Training Resources

J. Key References

*The IPS Element Guidebook Table of Contents is aligned with the PSM Guidebook and broken out into three major areas as shown in this Design Interface example.*



# “What’s in it for You?”

## The IPS Element Guidebook:

- Serves as a “one stop shop” for detailed information about each of the twelve Integrated Product Support Elements
- Provides standard definitions and breakdowns for each of the IPS elements and sub-elements
- Identifies key activities and products for each IPS element
- Provides much-needed information on who, what, where, when and how these activities and products are accomplished throughout the life cycle
- Assists the Life Cycle Logistics “Journeyman” in better understanding the scope, products, deliverable scheduling, and associated activities that are within the scope of the Product Support Manager.
- Adds to the learning value of the Guidebook are a high number of key references, many of them actively hyperlinked, within the text of each topical discussion
- Links with content of DAU courseware where applicable references DAU training materials with which the readers can further expand their knowledge of a specific topic



# Summary

- **The 12 IPS Elements:**
  - **Expand upon the traditional 10 ILS elements by including Product Support Management and Sustaining Engineering elements**
  - **Include the activities needed to acquire the product support package designed to deliver system readiness and availability while optimizing system life cycle cost**
  - **Are integrated through the supportability analysis process**
  - **Are documented in the IPS Element Guidebook which includes the who, what, where, when, why and how for the major deliverables of each IPS Element by life cycle acquisition phase**
- **For more information go to:**
  - **The DoD PSM Guidebook Appendix A at: <https://acc.dau.mil/psm-guidebook>**
  - **The IPS Element Guidebook at: <https://acc.dau.mil/ips-guidebook>**

***QUESTIONS?***