

SUPPLEMENT 18-A

IPPD – A DOD MANAGEMENT PROCESS

The DoD policy of Integrated Product and Process Development (IPPD) is a broad view of integrated system development which includes not only systems engineering, but other areas involved in formal decision making related to system development. DoD policy emphasizes integrated management at and above the Program Manager (PM) level. It requires IPPD at the systems engineering level, but does not direct specific organizational structures or procedures in recognition of the need to design a tailored IPPD process to every individual situation.

Integrated Product Teams

One of the key IPPD tenets is multi-disciplinary integration and teamwork achieved through the use of Integrated Product Teams (IPTs). While IPTs may not be the best solution for every management situation, the requirement to produce integrated designs that give consideration to a wide array of technical and business concerns leads most organizations to conclude that IPTs are the best organizational approach to systems management. PMs should remember that the participation of a contractor or a prospective contractor on a IPT should be in accordance with statutory requirements, such as procurement integrity rules. The service component's legal advisor must review prospective contractor involvement on IPTs. To illustrate issues the government-contractor team arrangement raises, the text box at the end of this section lists nine rules developed for government members of the Advanced Amphibious Assault Vehicle (AAAV) design IPTs.

The Secretary of Defense has directed that DoD perform oversight and review by using IPTs. These IPTs function in a spirit of teamwork with

participants empowered and authorized, to the maximum extent possible, to make commitments for the organization or the functional area they represent. IPTs are composed of representatives from all appropriate functional disciplines working together to build successful programs and enabling decision makers to make the right decisions at the right time.

DoD IPT Structure

The DoD oversight function is accomplished through a hierarchy of teams that include levels of management from DoD to the program level. There are three basic levels of IPTs: the Overarching IPT (OIPT), the Working IPTs (WIPT), and Program IPTs with the focus and responsibilities as shown by Figure 18-3. For each ACAT I program, there will be an OIPT and at least one WIPT. WIPTs will be developed for particular functional topics, e.g., test, cost/performance, contracting, etc. An Integrating IPT (IIPT) will coordinate WIPT efforts and cover all topics not otherwise assigned to another IPT. These teams are structurally organized as shown on Figure 18-4.

Overarching IPT (OIPT)

The OIPT is a DoD level team whose primary responsibility is to advise the Defense Acquisition Executive on issues related to programs managed at that level. The OIPT membership is made up of the principals that are charged with responsibility for the many functional offices at the Office of the Secretary of Defense (OSD).

The OIPT provides:

- Top-level strategic guidance,

Organization	Teams	Focus	Participant Responsibilities
OSD and Components	OIPT*	<ul style="list-style-type: none"> • Strategic Guidance • Tailoring • Program Assessment • Resolve Issues Elevated by WIPTs 	<ul style="list-style-type: none"> • Program Success • Functional Area Leadership • Independent Assessment • Issue Resolution
	WIPTs*	<ul style="list-style-type: none"> • Planning for Program Success • Opportunities for Acquisition Reform (e.g. innovation, streamlining) • Identify/Resolve Program Issues • Program Status 	<ul style="list-style-type: none"> • Functional Knowledge and Experience • Empowered Contribution • Recom.'s for Program Success • Communicate Status and Unresolved Issues
Program Teams and System Contractors	Program IPTs**	<ul style="list-style-type: none"> • Program Execution • Identify and Implement Acquisition Reform 	<ul style="list-style-type: none"> • Manage Complete Scope of Program Resources, and Risk • Integrate Government and Contractor Efforts for Report Program Status and Issues

* Covered in "Rules of the Road"
 ** Covered in "Guide to Implementation and Management of IPPD in DoD Acquisition"

Figure 18-3. Focus and Responsibilities of IPTs

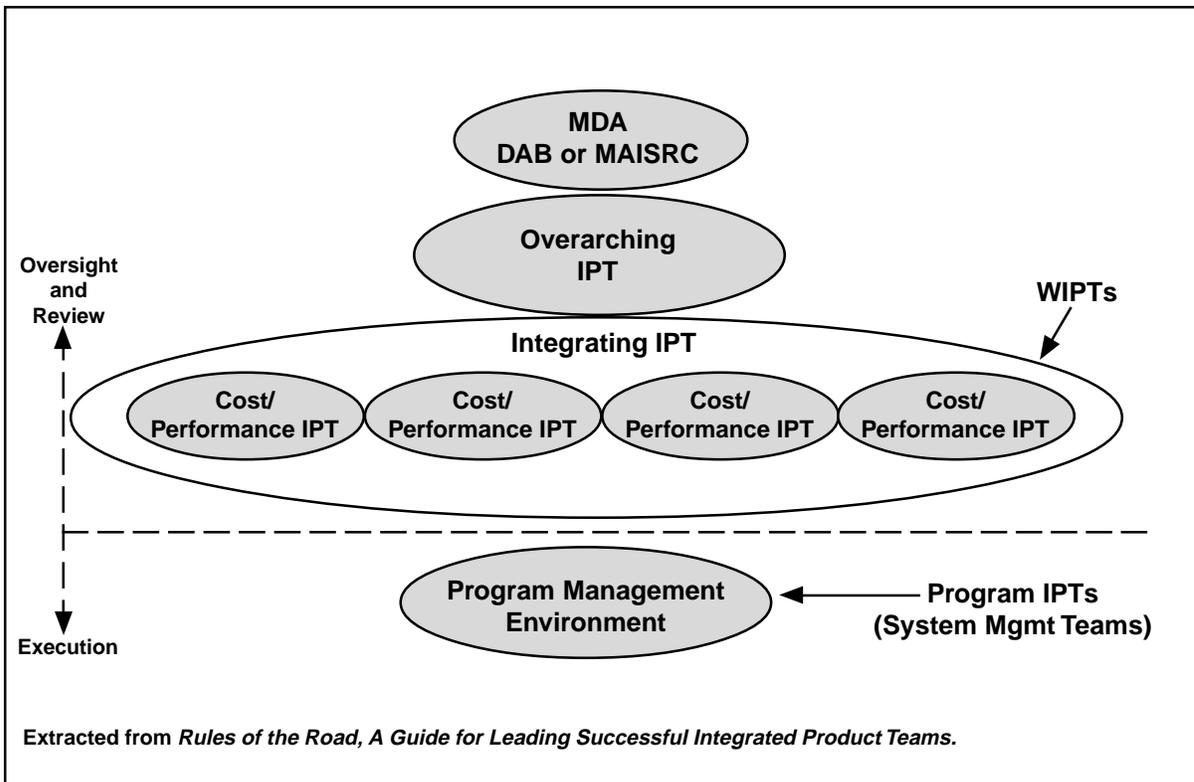


Figure 18-4. IPT Structure

- Functional area leadership,
- Forum for issue resolution,
- Independent assessment to the MDA,
- Determine decision information for next milestone review, and
- Provide approval of the WIPT structures and resources.
- Proposing tailored document and milestone requirements,
- Reviewing and providing early input to documents,
- Coordinating WIPT activities with the OIPT members,
- Resolving or evaluating issues in a timely manner, and

Working-Level IPT (WIPT)

The WIPTs may be thought of as teams that link the PM to the OIPT. WIPTs are typically functionally specialized teams (test, cost-performance, etc.). The PM is the designated head of the WIPT, and membership typically includes representation from various levels from the program to OSD staff. The principal functions of the WIPT are to advise the PM in the area of specialization and to advise the OIPT of program status.

The duties of the WIPT include:

- Assisting the PM in developing strategies and in program planning, as requested by the PM,
- Establishing IPT plan of action and milestones,

- Obtaining principals' concurrence with applicable documents or portions of documents.

Program IPTs

Program IPTs are teams that perform the program tasks. The integration of contractors with the government on issues relative to a given program truly occurs at the program IPT level. The development teams (product and process teams) described earlier in this chapter would be considered program IPTs. Program IPTs would also include teams formed for business reasons, for example teams established to prepare Planning, Programming, and Budgeting System (PPBS) documentation, to prepare for Milestone Approval, to develop the RFP, or the like.