

DFO process and Virtual Crew have helped avoid costs; are eliminating some of the late, potentially costly changes; and importantly, are helping to ensure customer acceptance and satisfaction with the first amphibious ship of the 21st century.

These tools are helping us achieve the primary objective of IPPD and are definitively keeping our focus on the customer. Best of all, in 2003, when that young Sailor steps up to the helm console or that officer takes the Conn in the LPD 17 Pilot House, they will not be surprised at what they see – they will appreciate that the LPD 17 Program Management Team brought the customer to the ship designer.

**Editor's Note:** The author and program manager welcome questions or comments on this article. Contact Luebke at [LuebkeWH@11pd17.navsea.navy.mil](mailto:LuebkeWH@11pd17.navsea.navy.mil);

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## E N D N O T E S

1. Team 17 consists of the government representatives, headed by the LPD 17 Program Office, PMS 317, and the primary industrial activities of the Avondale Alliance – Litton/Avondale Industries, Bath Iron Works (BIW), Raytheon Systems Company, and Intergraph Corporation. In the simplest division of labor, Litton/Avondale will build eight of the ships, BIW will build four of the ships, Raytheon will oversee total ship integration, and Intergraph will focus on development of the Integrated Product Data Environment.

2. Secretary of Defense Memorandum, May 10, 1995, "Use of Integrated Product and Process Development and Integrated Product Teams in DoD Acquisition."

3. DoD Guide to IPPD, Chapter 1, "IPPD Concepts." (The electronic media for the Guide may be downloaded from [www.acq.osd.mil/te/survey/tenets.html](http://www.acq.osd.mil/te/survey/tenets.html) on the Web.)

4. Software produced by DENEb and used by the majority of the Virtual Crews, which creates an interactive simulation from a 3D electronic model. This software allows for anthropomorphic ("Ergo people") Sailors to be placed in the model and to move about; permits visualizing a perspective from a certain position in the space; and has the ability to measure dimensions as requested. IDR, the Intergraph Design Review software, creates a 3D picture that can provide multi-views, but does not include the other DENEb features. Intergraph is used for initial design review in situations where all of the components (library parts) have not been configured or added into the computer model.

## Inside DSMC



**N**avy Capt. Robert Vernon, Dean, School of Program Management Division (SPMD) departed the College June 18, 2000, for a new assignment as Professor of Naval Science and Commanding Officer of the Naval Reserve Officer Training Corps at the University of Oklahoma in Norman. Vernon has been the Dean of SPMD since his arrival at the College in June 1996. Upon his departure, he was awarded the Defense Superior Service Medal by Air Force Brig. Gen. Frank Anderson Jr., DSMC Commandant.

## Acquisition Awards Link

**W**ith the establishment of the Defense Acquisition Deskbook Awards link, finding award information has now become easier!

The Office of the Under Secretary of Defense (Acquisition, Technology & Logistics) has developed a consolidated database of award programs available to the acquisition community.

The Deskbook database can be accessed from the Awards link at <http://www.deskbook.osd.mil>.

