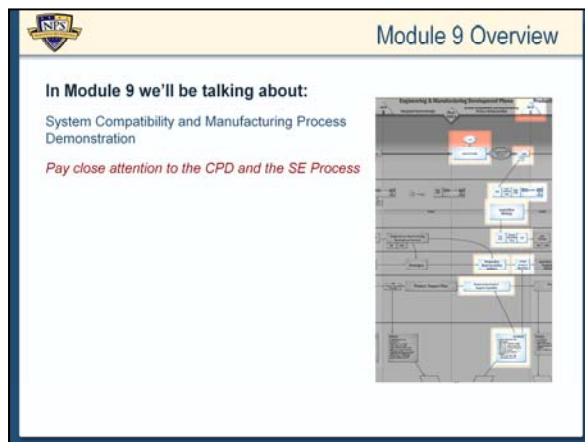


Module 9 Overview



Lawrence G. Shattuck, Ph.D
Director, Human Systems Integration Program
Naval Postgraduate School



In Module 8, we looked at the first part of the Engineering and Manufacturing Development phase - Integrated System Design. In this module, we'll talk about the second part - the System Compatibility and Manufacturing Process Demonstration.

In this portion of the EMD phase, the program should demonstrate the ability of the system to operate in a way that's consistent with the approved KPPs. The program also has to demonstrate that the manufacturing processes can support the production of the system. The program shall enter System Capability and Manufacturing Process Demonstration upon completion of the Post-CDR Assessment and establishment of an initial product baseline. This effort ends when the system meets all approved requirements and has been demonstrated in an operational environment.

This is another module in which a lot of things that were done earlier in the systems engineering and manufacturing processes will be updated, revised, or refined. Examples are the Key Performance Parameters, the Acquisition Plan Baseline, and the Acquisition Strategy.

There are a few things in this portion of the EMD that we haven't seen. These are the things that you should really pay attention to. The first is the Capability Production Document (or CPD). This is the last of the JCIDS documents in the acquisition process. Since it's the document that describes the actual production of the system--it a pretty important one. We'll talk in some detail about the HSI inputs to the CPD.

The second thing you should pay attention to is what's happening in the SE Process. In the Integrated System Design portion of the EMD phase, we talked about the Critical Design Review. In the System Compatibility and Manufacturing Process Demonstration part of the EMD phase, we have four reviews to talk about:

- The Test Readiness Review
- The Production Readiness Review
- The System Verification Review
- And, the Functional Configuration Audit

So that's what we'll be covering in Module 9! As always, I hope you enjoy the module and that you get a lot out of it. If you have any questions or if anything comes up this week that will somehow impact your ability to get through the module, please email or call me!