



New DAU Course for DoD R&M Engineers



- DAU has released a new R&M Engineering course for the DoD R&M Engineer:

ENG 0860 – Planning for R&M Engineering

- **Course Objective:** to provide in-depth understanding of the core R&M Engineering activities and resources for effective R&M Engineering planning within the DoD acquisition process
- **Characteristics of ENG 0860, Planning for R&M Engineering:**
 - Distance learning, approx. 4 – 6 hours
 - Focus is on the junior to mid-career level DoD R&M Engineer supporting a DoD Program Office
 - Course is hosted and maintained by DAU
 - Uses a fictitious DoD acquisition program office to illustrate key learning points
 - Extensive resources library embedded in course
 - Appropriate for multiple DoD career fields, i.e., Engineering, Program Management, Test and Evaluation, Logistics, plus others

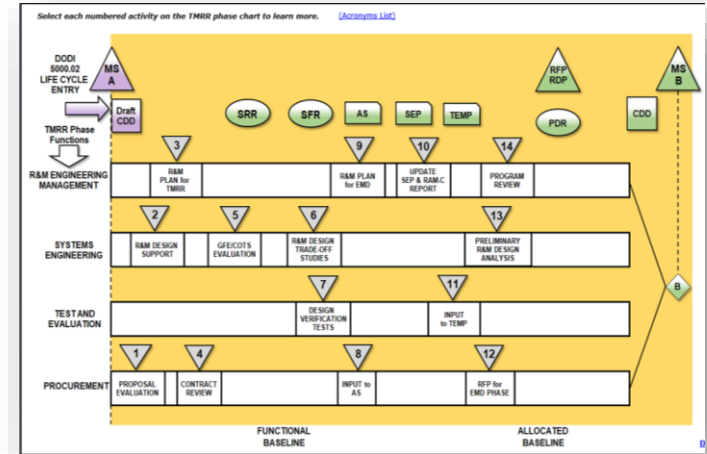




ENG 0860 – Planning for R&M Engineering



- Introduces the R&M Engineering Body of Knowledge (BoK) as the “backbone” for course architecture
 - Each acquisition phase has a unique set of R&M Engineering activities
 - ENG 0860 focus is on the R&M Engineering Management “swim lane” activities, i.e., first row
 - Future ENG 0870, “Designing for R&M Engineering”, will focus on R&M activities in Systems Engineering and Test and Evaluation
- Explains R&M Engineering content in DoD acquisition documentation
 - Location of R&M Engineering content within acquisition documents
 - Examples of effective implementation to present R&M Engineering content
 - Usage of mathematical examples to supplement explanation of R&M Engineering key concepts



CLE302 Planning for R&M Engineering
Lesson 1.1 - The Capabilities Development Document (CDD)

Table of Contents
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R&M Relevant CDD Sections

The CDD is composed of several sections. However, as illustrated below only those highlighted sections of the CDD Table of Contents are relevant to R&M attributes.

Select the highlighted sections of the CDD to reveal more.

CDD Table of Contents

- Section 1 - Operational Context
- Section 2 - Threat Summary
- Section 3 - Capability Summary
- Section 4 - Program Summary
- Section 5 - Development KPPs, KSAs, and APAS
- Section 6 - Other System Attributes
- Section 7 - Spectrum Requirements
- Section 8 - Intelligence Supportability
- Section 9 - Weapon Safety Assurance
- Section 10 - Technology Readiness Assessment
- Section 11 - (DOTMLPF-P) Considerations
- Section 12 - Program Affordability

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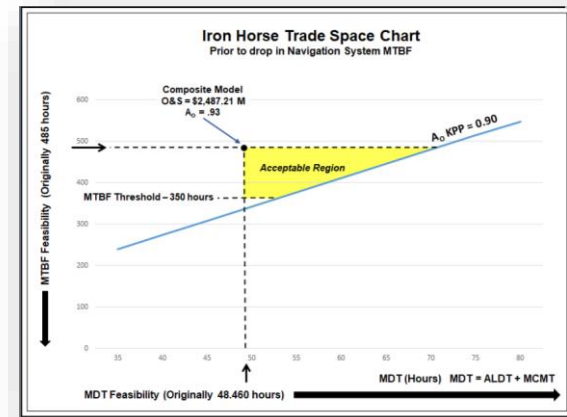




ENG 0860 - Fictional “Iron Horse” Program



- Use of a fictional Iron Horse (IH) Program Office provides a more interactive approach to learning
- IH Acquisition Documents, partially developed to illustrate R&M Engineering relevant content, are available:
 - Operational Mode Summary/Mission Profile (OMS/MP)
 - Concept of Operations (CONOPS)
 - Draft Capability Development Document (CDD)
 - Systems Engineering Plan (SEP)
 - Reliability, Availability, Maintainability & Cost (RAM-C)
 - Failure Definition and Scoring Criteria (FDSC)
- Student exercises use IH acquisition documentation to emphasize key learning points
 - An extensive resource library provides easy access to DoD policy, guidance and references
 - All exercises provide a “Check Answer” detailed solution
 - A final exam demonstrates achieved learning





How to Apply for ENG 0860



- Step 1. Log-in to DAU's Virtual Campus at
- <https://identity.dau.edu/EmpowerIDWebIdPForms/Login/VirtualCampus>

Note: You must establish a DAU account prior to signing up for a course. You may use either a CAC or a login/password for account access.

- Step 2. Once you are at the DAU Virtual Campus Homepage, in the search box in the upper right corner, type in "ENG 0860"
- Step 3. The search results should show ENG 0860, Planning for R&M Engineering". Click on the course title, then on the next page click on the red "Request" tile.
- Step 4. You should now see the course information. Click on the "Modules 0 and 1" tile to start ENG 0860.
- For further information on course signup and DAU account eligibility for DoD and non-DoD prospective students:
 - <https://www.dau.edu/training/p/apply-for-a-course>
 - <https://www.dau.edu/faq/Pages/Eligibility-Registration.aspx>
 - <https://www.dau.edu/faq/p/FLN-Account-Creation>

