

<https://bmpcoe-trims.org/download/Core-Knowledge.pdf>

WILLCOR/BMPCOE R&M Core Knowledge Training

R&M Core Knowledge Training Resources

Core Knowledge Training provides a selection of Reliability and Manufacturing (R&M) Fundamentals covering essential elements of Reliable, Sustainable, Supportability, and Affordable of military and federal acquisitions. These educational modules will provide a Program Management and team member's essential help leading to successful, timely, and lower risk acquisitions by applying the right knowledge elements at the right time at the proper acquisition timeline.

In each Fundamental topic, a Learner will be provided educational material and practical experience-based guidance aligned to critical acquisition phases. These topic modules introduce and include:

- The need for timely acquisition discipline at the right time to mitigate Risks,
- The fundamentals Issue Statement/Description; Observations; Lessons Learned; Recommendations/Best Practices; Right Questions at the Right Time; and Use Case examples.
- Multiple presentation formats to include Documents, PowerPoint, and YouTube audio/videos.

The below training topics and resources provide a learner with three educational resources and a quiz toward possible training certificates. In summary, read, view, watch and enjoy. *Simply "Click" on the appropriate box for the file to download to your desktop!*

Resources include:

- **Primary Education Document** with Terminal and Enabling Learning Objectives.
- **PowerPoint Storyboard** slide deck with speaking script for locally deployed presentations and which were used in development of videos. This also includes quick Use Case examples.
- **YouTube Video training** presentations to include the brief Use Case examples.
- **Certification Quiz** aligned to Terminal and Enabling Learning Objectives.
 - **These Quiz challenges may be sent to WILLCOR for grading** (mailto: sripple@willcor.com). A score of 70% is a passing grade and will allow a

certificate. Local training offices may use these education certificates to comply with local training requirements.

- Optionally, an opportunity for Test result & Edu discussions with WILLCOR staff member may be arranged.



“Understanding the Future Effects of Today’s Decisions”

Topic Title	Document and Objectives	PowerPoint Storyboard	Video Shorts & Use Cases	Certification Quiz
Flag Officer Intro				
Overview	Fundamentals Overview			Quiz For DRS&A OVERVIEW
Sustainment KPP	Sustainment Key Performance Parameters (KPP)			Quiz For Sustainment KPP
Reliability by Design	Reliability by Design (Reliability Growth)			Quiz For Reliability by Design (Reliability Growth)
FRACAS	Failure Reporting, Analysis and Corrective Action System (FRACAS)			Quiz For Failure Reporting and Corrective Action System
Parts & Counterfeit	Part, Materials & Counterfeit Electronic Management			Quiz For Parts, Materials & Counterfeit Electronic Management
Design for Export	Design for Exportability			Quiz For Design for Exportability
Risk Mitigation	Process Oriented Technical Risk Assessment & Mitigation			Quiz For Process Oriented Technical Risk Assessment

Additional WILLCOR/BMPCOE R&M Core Knowledge Resources and Tools are located at: <https://www.bmpcoe-trims.org/>

Here is an intro to the Technical Risk Identification & Mitigation System (TRIMS).

TRIMS provides insight as a knowledge-based tool that measures technical risk management rather than cost and schedule. Cost and schedule overruns are downstream indicators of technical problems. Programs generally have had process problems long before the technical problem is identified. To avoid this progression, TRIMS operates as a process-oriented tool

based on a solid Systems Engineering approach. Process analysis and monitoring provide the earliest possible indication of potential problems. Early identification provides the time necessary to apply corrective actions, thereby preventing problems and mitigating their impact. TRIMS is extremely user-friendly and tailorable. This tool identifies areas of risk, tracks program goals and responsibilities, and can generate a variety of reports to meet user needs. **TRIMS software Download, TRIMS Sample Data Files, and TRIMS Training Videos are available. - [Here](#)**