



Condition Based Maintenance: Overview and Applications Course

Instructor: David F. Tyler, Advanced Automation Corporation (AAC)

Course Description:

This intensive 3-day Course provides a comprehensive overview of Condition Based Maintenance (CBM) and its applications to weapons systems. Special emphasis is placed on CBM+ concepts, technologies and tools.

The course presents the various categories of functionality required in CBM systems, including data acquisition, signal processing, state detection, diagnostics, prognostics, and decision support. Examples cover both established solutions and innovative approaches.

Topics include:

- Introduction to CBM
- Functionality of CBM Systems
- Architecture of CBM Systems
- CBM Implementation
- CBM for Weapon Systems
- CBM Application Examples
- Conclusions

About the Instructor:

Mr. David Tyler is a Senior Acquisition and Systems Engineering expert. He has more than 30 years in the field across a wide range of DoD, DoE, NASA and commercial programs. He has developed systems engineering plans for a wide array of government and commercial

organizations. Mr. Tyler has written over 50 papers on these and related topics. He is a member of the Logistics Management Community at DAU.

Security Classification:

The Systems Engineering Series courses are UNCLASSIFIED.

Handout Material:

Each student will receive a comprehensive set of course notes covering the material presented.

For additional information, contact
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Notice: WSTIAC reserves the right to cancel, change the course schedule, and/or instructor if required. In the event of a schedule change or cancellation, the customer will be immediately informed.

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