



Training Overview

ASI provides training in a variety of supportability topics, improving your knowledge and capabilities in asset management and system support.

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Our Mission

We partner with physical asset owners and managers to achieve optimal levels of economy, availability, and safety by developing and applying cutting edge systems engineering and supportability analysis tools, training, processes, and expertise to the operation and support of physical assets.

Our Experience

ASI instructors are recognized experts in their fields. We have extensive experience as practitioners and serve as contributing members of several professional societies and standards governing bodies such as the Society of Automotive Engineers (SAE), Society of Maintenance and Reliability Professionals (SMRP), Council of Logistics Engineering Professionals (CLEP) and the AeroSpace and Defense Industries Association of Europe (ASD). Our membership in these organizations ensures that we maintain the most up to date information available in the disciplines that we teach. We not only teach these disciplines; we work in them daily, providing unparalleled real world experience that training participants can take with them and use to improve their daily operations. As career maintenance managers and maintainers, we understand the importance of properly applying the supportability discipline in physical asset management.

Our Curriculum

We offer a broad range of topics that reflect our core capabilities. Course content can be customized for your specific program or industry. Available options include both classroom instruction at our site or yours, or “over the shoulder” training during current operations. Our programs allow students to learn in an environment that is best suited to their unique situation. All sessions are conducted in our state-of-the-art training facilities throughout the United States or on-site at your location. As your Supportability Teammate, we impart skills and knowledge that will enable you to improve the performance of your systems throughout their life cycle.

Our Credentials

The US Department of Defense and industry have sought our training advice for over ten years. We consider it a privilege to pass along the lessons we have learned. Our instructors are maintenance and reliability professionals with decades of experience in the field. Our staff included maintenance practitioners, engineers, and other experts who hold advanced degrees in aerospace, mechanical, electrical, and industrial engineering, logistics, business, and management. Our instructor staff also holds an unparalleled list of relevant industry certifications, including:

- American Society for Quality (ASQ) Certified Reliability Engineers (CRE)
- Society of Maintenance and Reliability Professionals (SMRP) Certified Maintenance and Reliability Professionals (CMRP)
- NAVAIR Certified RCM instructors and Subject Matter Experts
- NAVSEA Certified RCM Practitioners
- Society of Logistics Engineers (SOLE) Certified Professional Logisticians (CPL)
- Defense Acquisition Workforce Improvement Act (DAWIA) certifications in several disciplines
- American Society for Non-Destructive Testing (ASNT)/International Organization for Standardization (ISO) certified PdM technicians
- Lean/Six Sigma Blackbelts
- Avraham Goldratt Institute (AGI) Theory of Constraints Jonahs/Supply Chain Technical Experts (SCTE)
- AGI Jonah for Facilitators





RCM

Reliability Centered Maintenance

RCM 101 Fundamentals of RCM Analysis

(Prerequisite: N/A)

An introduction to the RCM process that provides the instruction and practical application required to apply Reliability Centered Maintenance Analysis to physical assets. The course provides instruction in a Society of Automotive Engineers (SAE) Standard JA1011 compliant RCM process.

This course provides training designed to provide an understanding of RCM disciplines as they relate to developing efficient preventative maintenance programs. Intended for personnel who will perform or facilitate RCM analyses.

RCM 102 RCM Terminology and Concepts

(Prerequisite: N/A)

An introduction to the RCM process and related concepts and terminology. Participants will gain general knowledge of RCM principles, what information is required to perform RCM, and how that information is used. Intended to provide basic knowledge to staff who will participate in RCM analysis and managers who may want a more detailed overview of the RCM process.

RCM 201 RCM Advanced Topics

(Prerequisite: PSA 101 & RCM 101 recommended)

An in-depth review of advanced topics that an analyst or facilitator may encounter while accomplishing an analysis effort. This course includes case studies that address project execution and implementation issues. Intended for experienced RCM analysts who are responsible for implementing the process.

RCM 301 RCM Executive Overview

(Prerequisite: N/A)

RCM process to include benefits, data requirements, and the role of RCM in an overall asset management program. Intended for managers and decision makers interested in or considering implementing an RCM effort. This course can be tailored to a specific customer and performed virtually or on-site.



PSA

Product Support Analysis

PSA 101 Introduction to Product Support Analysis *(Prerequisite: N/A)*

An introductory course designed to provide an understanding of Product Support Analysis (PSA) disciplines as they relate to the five phases of the Defense Acquisition Management System (DoD Instruction 5000). Gain the instruction and practical application needed to apply life cycle management processes to acquired systems, equipment, and high-value physical assets. This course offers an overview, using guidance from the SAE-GEIA-STD-0007 and SAE-TA-STD-0017. Intended for anyone who will be involved in performing PSA from beginner to expert.

PSA 102 Prognostics and Health Management Introduction *(Prerequisites: PSA 101)*

An introductory level course designed to provide an understanding of Prognostics and Health Management (PHM) as it relates to sustainment. Recognize the different aspects of PHM and the utilization and criticality of accurate data. Gain the instructions needed to appreciate Prognostics Health Management and its effect on the life cycle management processes for acquired systems, equipment and high-value physical assets.

PSA 103 Supportability and Sustainment *(Prerequisites: PSA 101)*

An intermediate level course that builds on the knowledge gained in PSA101 (Introduction to Product Support Analysis). Gain the instruction and practical application needed to apply supportability processes to in-service systems, equipment, and high-value physical assets. Intended for logisticians who require a deeper understanding of Supportability and its application to Sustainment.

PSA 104 Logistics Product Data *(Prerequisites: PSA 101)*

An intermediate level course designed to provide an understanding of the concepts, principles and current reference standards which guide Product Support Analysis (PSA) and Logistics Product Data (LPD). Intended for the experienced logisticians

PSA 104 Logistics Product Data (cont.)

and supportability professionals. Included with this class is a one-year subscription for the Logistics Product Data Planner & Estimator (LPD P&E), a web-enabled software tool that provides an easy to use capability to define the data attributes needed to meet the contractual requirements by acquisition phase and by desired Logistics Support Analysis (LSA) reports.

PSA 201 Advanced Product Support Analysis Implementation *(Prerequisites: PSA 101, PSA 103, SFMECA 101 recommended, 104 recommended)*

An advanced level course designed to provide an in-depth understanding of the concepts, principles and benefits of Product Support Analysis (PSA) throughout the life cycle. Learn how to optimize the mix of product support resources for dynamic scheduling of scheduled and unscheduled maintenance. Students will also learn to articulate the Business Case to support decisions made during the Product Support Analysis process. Intended for experienced logisticians and supportability professionals.

PSA 301 Supportability Optimization *(Prerequisites: PSA 101 & 102, SFMECA 101, PSA 103, 104 recommended)*

An advanced level course designed to provide an in depth understanding of the concepts, principles and benefits of Product Support Analysis (PSA) in terms of measurement and application to Performance Based Logistics. Learn how to measure Supportability, influence performance and cost through selection of the Product Support Elements and Optimize Performance and Cost simultaneously, providing proposed values for metrics for inclusion in Performance Based Logistics (PBL) agreements. Intended for highly experienced logisticians and supportability professionals.



LORA

Level of Repair Analysis

LORA 101 Fundamentals of Level of Repair Analysis *(Prerequisite: PSA 101 recommended)*

An introduction to the Level of Repair Analysis (LORA) process as it is applied for use in a Supportability Analysis. LORA is a process used to determine if corrective maintenance items should be repaired or discarded and at which maintenance level this should occur. The course provides instruction and practical application in performing LORA along with instruction on when a LORA should be performed considering both economic and operational environment criteria for optimization. Intended for anyone performing LORA in support of Product Support Analysis (PSA).



MTA

Maintenance Task Analysis

MTA 101 Fundamentals of Maintenance Task Analysis *(Prerequisite: PSA 101 recommended)*

An introduction to Maintenance Task Analysis (MTA) that provides participants with the instruction and practical experience needed to determine support resource requirements for acquired systems, equipment, and high-value physical assets. This course offers an overview of Task Analysis processes, using guidance from the SAE-GEIA-STD-0007 and the SAE-TA-STD-0017. The course also provides insight into the role of MTA within the Defense Acquisition Management System (DoD Instruction 5000). Intended for experienced logisticians and supportability professionals.



SFMECA Supportability, Failure Modes, Effects, Criticality Analysis

SFMECA 101 Intro to Supportability, Failure Modes, Effects, Criticality Analysis

(Prerequisite: PSA 101)

Introduction to the Failure Modes, Effects, and Criticality Analysis (FMECA) process as it is applied for use in a supportability analysis. The course provides practical instruction and practical application in performing a supportability FMECA and is based on MIL-STD-1629 as well as a future supportability FMECA being developed by the Society of Automotive Engineers (SAE). Intended for anyone performing Product Support Analysis (PSA) or FMECA in support of PSA.





Desired performance achieved

OFFICE LOCATIONS

Virginia

615 Lynnhaven Pkwy.
Suite 104
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P: 757.340.9070

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Contact us at edu@androsysinc.com or
call **904.637.2020** for more information
on upcoming classes.

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