PIERIAN ACADEMY

Training Overview

The Pierian Academy is a collaboration between the UK's Aspire Consulting Ltd. and Andromeda System Incorporated (ASI) in the US. Both companies are respected leaders in the fields of Supportability and Integrated Logistics Support. Our internationally recognized team of instructors offer online and in-person training to students worldwide.

www.pierianacademy.org

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.

Experience

Our 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 ensure 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.

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 US and the UK, or on-site at your location. We also offer Covid compliant Virtual sessions for your convenience. As your Supportability Teammate, we impart skills and knowledge that will enable you to improve the performance of your systems throughout their life cycle.

Credentials

Defense and Industry partners have sought our training advice for over fifteen 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 includes 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)
- 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

PSA
Product Support Analysis

PSA Introduction to Product Support Analysis

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.

LPD Logistics Product Data

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 experienced logisticians and supportability professionals.

LSA
Logistic Support Analysis

LSA Fundamentals

An introduction to fundamental principles of Logistic Support Analysis (LSA) that will provide the delegate with a strong understanding of what LSA is, the benefits of LSA and how it is executed. The course begins by introducing the wider topic of support engineering before moving on to the specifics of LSA. Intended for personnel who are new to LSA, or to one of the disciplines that comprises LSA, and to managers.

RCM
Reliability Centered Maintenance

RCM Fundamentals of RCM Analysis

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.

Terminology and Concepts

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 Advanced Topics

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 Executive Overview

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.

LORA
Level of Repair Analysis

LORA 101 Fundamentals of Level of Repair Analysis

An introduction to the Level of Repair Analysis (LORA) process as it is applied for use in 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 Fundamentals of Maintenance Task Analysis

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 Intro to Supportability, Failure Modes, Effects, Criticality Analysis

Introduction to the Failure Modes, Effects, and Criticality Analysis (FMECA) process as it is applied for use in 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.

DSAT Defence Systems Approach to Training

DSAT Elements 1 & 2 (Analysis & Design)

An overview of training needs analysis and course design in the context of the UK MoD's JSP 822 - Defence direction and guidance for training and education. Beginning with putting training in the context of a wider support solution, the course takes the delegate through the analyses and decision points that comprise Elements 1 and 2 of the Defence Systems Approach to Training (DSAT). Intended for personnel who must produce "DSAT compliant" training products, or managers whole are responsible for the process.

S-Series
of ILS specifications

S-Series Overview

A general overview of the S-Series Specifications for Integrated Product Support that provides the delegate with a mid-level view of each individual specification and provides a picture of how the suite is designed to work together. Intended for personnel who are required to implement or to assess the implications of implementing the S-Series suite in their business.
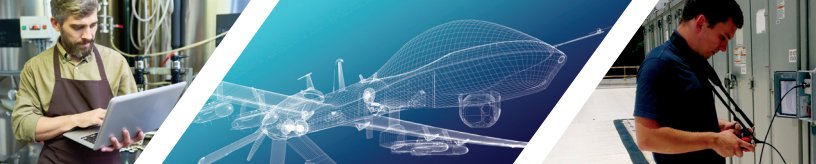
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Aspire