ACL ASPIRE CONSULTING LIMITED

There's a lot to designing a support solution, and your equipment's long-term success hinges on the outcome. As an integrated support engineer, you know your job. You know what you are asked to do and how your organisation designs its support. But you suspect there's more to it.

Maybe you've come across an old document where things were done differently. Perhaps a comment from a colleague in another company has stuck in your mind and you wonder if there's something else you should be doing, or what you could be doing better. Trying to find out is as frustrating as not knowing.

For any concept that's been around a while, it can be difficult to strip away years of inherited knowledge and practice to find its true principles. Support Analysis is no different.

We understand the itch to know more and do better. We understand how inaccessible a large, complex topic, like Support Analysis, can be. We also understand that it doesn't need to be.

We have trained over 2,000 + integrated support engineers like you. We have given them a foundation in the basic principles of Support Analysis, principles which have empowered them to go on and succeed in their integrated support engineering career.

Would you like to succeed too?

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2. Pick one of our scheduled events
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Spending time with us will help you become the integrated support engineer you want to be, and your equipment deserves. With a strong grasp of the principles, you'll never have that niggle again.

PRINCIPLES OF SUPPORT ENGINEERING AND LOGISTIC SUPPORT ANALYSIS PRINCIPLES AND PRACTICE

YOUR GUIDE TO SUPPORT SOLUTIONS
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Logistic Support Analysis
Course Introduction and Objectives

Overview

A practical course which teaches the application and management of Logistic Support Analysis (LSA) within a System Engineering context. After a general introduction to Integrated Logistic Support (ILS) and LSA the course follows the LSA process through the system life cycle. In each phase of the life cycle the relevant theories and concepts are introduced and these are then consolidated by the performance of a series of practical exercises.   The need for and the concept of a logistics database, is addressed. The nature of a 'formal' Logistic Information Record [LIR] / Logistic Support Analysis Record (LSAR) is introduced early in the course and the results of the exercises will, where applicable, be related to the LSAR/LIR compilation process. Thus the training in the LSAR/LIR is fully integrated into the course and is not presented as a stand-alone topic.

Target Audience

The course is aimed primarily at LSA Practitioners and ILS or LSA Managers who require a basic understanding of the potential, the processes and the problems associated with LSA. The course is also suitable for members of support disciplines which have to interface with an ILS or LSA programme. The course will act as a comprehensive introduction to LSA and form a sound foundation upon which future development can be based.

Objectives and Utility

The course introduces the fundamental concepts that are a pre-requisite to a genuine understanding of ILS and LSA and relates the Standards to these concepts in order to facilitate the effective application of the standards.   The delegate will understand the LSA process and the LSA tasks as defined by a range of standards, including Defence Standard 00-600, S3000L, and TA-STD 0017 and will gain practical experience of the major analytical techniques used in the LSA process.   The delegate will understand the relationship of the logistics database (LIR/LSAR) to the LSA tasks and analytical processes and understand the key management issues as they appertain to LSA, in particular the planning process, the need for an LSA strategy and the requirement to tailor the LSA process. The aim of this course is to present LSA concepts in a simple logical manner and to dispel any misconceptions. The course will enable the organisation to increase their LSA effectiveness. For the Customer the effective application of LSA will result in improved system cost effectiveness, for the Contractor it will result in a quality improvement, to both their products and their service.

The Training Process

The course begins by establishing a need for LSA. From this need a logical argument is developed for System Engineering and, that sub-set of Systems Engineering which is LSA. The LSA process is then addressed throughout the system life cycle. At each stage the relevant theory is presented and discussed, this is then consolidated through a series of practical exercises. This approach ensures that the delegate has a sound understanding of the concepts and the issues associated with LSA, for example, the difficulties involved and the size of the task.   Because the approach is logical and structured it aids recall and understanding.   Because the Standards are related to the theory, the delegates develop the ability to make a critical appraisal of the contents and the requirements of the Standards.

Logistic Support Analysis

Course Programme

Day 1	
T0001	An Introduction to Support Engineering
T0002	Systems Engineering and System Life Cycles
T0005	Designing a Support Solution
T0035	An Introduction to Support Metrics
T0004	Managing Support Data

Day 2	
004	Support Engineering during the Concept Phase
014-01	The Use Study - Task 201 - Activity B.1
014-03	Baselining the Mission System Task 203 - Activity B.3
005	Support Engineering During the Assessment Phase
014-02	Standardisation - Task 202 - Activity B.2
014-04	Exploiting New Technology - Task 204 - Activity B.4
014-05	Support Requirements - Task 205 - Activity B.5

Day 3	
015-01	Functional Requirements - Task 301 - Activity C.1
T0037	FMECA and RCM
015-02	Support Concepts and Systems - Task 302 - Activity C.2
015-03	Evaluation of Alternatives and Trade Offs - Task 303 - Activity C.3

Day 4	
007	Support Engineering During the Demonstration Phase
016-01	Task Analysis - Task 401 - Activity D.1
016-02	Planning the Fielding Process - Task 402 - Activity D.2
017	Op' Suitability Test, Evaluation, V and V - Task 501 - Activity F.1

Day 5	
T0030	Support Engineering During the In-Service Phase
T0027	Support Engineering Activities - Support Resource Risk Management
T0032	Support Engineering Activities - Managing Disposal
T0033	Support Engineering Activities - In-service Supportability
T0036	Support Engineering Activities - Assessing Support Performance
T0031	Support Engineering Activities - In-service Feedback
T0038	The Management of Support Engineering