

Course Calendar From 01 Jan 2012 to 31 Dec 2012

This calendar is subject to frequent revisions, please call for an update if this version is more than 2 months old.

Training Course Calendar

These courses are part of Aspîres integrated training programme in Supportability Engineering and related disciplines. The programme is subject to continuous expansion and review in order to reflect both customer demand and future development in the field of Supportability Engineering. Detailed Course Overview Leaflets are available on our web-site or on request.

An Overview of Availability, Reliability and Maintainability

Overview

Duration (in days): 1

This course addresses the application of an AR&M programme within the overarching context of a Defence Acquisition programme and hence it focuses on the impact of AR&M on combat capability, safety and Through Life Cost [TLC].

Once the underlying reasons for an AR&M programme have been established the delegate is introduced to the key availability, reliability, maintainability and testability parameters, particular attention is given to ensuring that the delegate understands the true nature of these probabilistic metrics.

The course then addresses the application of the AR&M process throughout the acquisition life cycle, this module introduces the concept of the R&M Case and it is based on the UK MoD's CADMID/T cycle but the principles can readily be applied to all AR&M programmes. During this module the complex interrelationship of the AR&M process with other aspects of Supportability Engineering are introduced, with particular emphasis on the relationships with the LSA process and through life cost. The delegate is given a brief introduction to a wide range of the relevant standards, including UK Defence Standards, US Military Standards plus a selection of civil standards.

This course will be discounted by 5% for the second delegate and 10% for the third and subsequent delegates.

Training Event Code **AK1-01-12**

*This event will run from 19/03/2012 to 19/03/2012. Venue: .
The cost of this course is £425 for the first delegate.*

*This course will be presented by:- **Graham Steven***

Training Event Code **AK1-02-12**

*This event will run from 03/09/2012 to 03/09/2012. Venue: .
The cost of this course is £425 for the first delegate.*

*This course will be presented by:- **Graham Steven***

The Principles of Availability, Reliability and Maintainability

Overview

Duration (in days): 4

The course addresses the general principles behind the concept of an Availability, Reliability and Maintainability (AR&M) Programme and focuses in particular upon the management aspects that need to be addressed, the engineering activities involved and the relationship and utility of commonly used parameters of interest and techniques.

The topic is developed using general principles, although references to appropriate statutory documentation are made to illustrate or reinforce a particular issue. In addition to the general principles, the application of the Reliability concept to both Mechanical and Software components of a System are addressed. This course provides an excellent 'grounding' for all personnel employed on AR&M programmes or activities within projects.

The course will enable the delegate to appreciate the inter-relationships between the various functional disciplines and the contribution of their specific area of expertise to the overall programme. The delegate's organisation will benefit from the delegates raised perception of their role within the overall process and the potential increases in efficiency that this engenders.

This course will be discounted by 5% for the second delegate and 10% for the third and subsequent delegates.

Training Event Code **AK4-01-12**

*This event will run from 16/01/2012 to 19/01/2012. Venue: .
The cost of this course is £1250 for the first delegate.*

*This course will be presented by:- **Graham Steven***

Training Event Code **AK4-02-12**

*This event will run from 18/06/2012 to 21/06/2012. Venue: .
The cost of this course is £1250 for the first delegate.*

*This course will be presented by:- **Graham Steven***

ASD S2000M - An Introduction

Overview

Duration (in days): 1

Customer value for money is a major procurement driver in any business and it is generally accepted that the cost of through-life support is often greater than that of the original purchase. As a result, the Customer requires that through-life materiel support considerations are included in the design process and is demonstrated as part of the procurement process.

The aim of this course is to introduce the principles of Initial Provisioning (IP) through the vehicle of ASD Specification 2000M (S2000M) and the attendant processes as described in Defence Standard 00-60 and Integrated Supply Support Procedures (ISSP).

Whether a current Project Manager or a new project engineer or materiel management practitioner, it is the aim of this course to provide delegates with a broad understanding of the practical and economic application of provisioning to S2000M.

Practical sessions are included in the course to reinforce the areas of Provisioning Programme development and Initial Provisioning List (IPL) data compilation.

This course will be discounted by 5% for the second delegate and 10% for the third and subsequent delegates.

Training Event Code AO1-01-12

*This event will run from 15/05/2012 to 15/05/2012. Venue: .
The cost of this course is £520 for the first delegate.*

*This course will be presented by:- **Ian Horseman***

Training Event Code AO1-02-12

*This event will run from 09/10/2012 to 09/10/2012. Venue: .
The cost of this course is £520 for the first delegate.*

*This course will be presented by:- **Ian Horseman***

Human Factors - An Introduction

Overview

Duration (in days): 1

This one-day course is designed to impart a basic understanding of Human Factors (HF). By the end of the course, delegates can be expected to understand the core areas of the subject and the improvements good HF practice can make to safety, efficiency and productivity.

The first module defines the discipline, outlines its development and explains the levels at which it can be applied: the operator, the task, the equipment, the environment and the organization. The second module takes a case study approach to high-profile catastrophes and highlights how, if HF had been addressed, they may have been avoided. Having set the scene, the course proceeds to consider the detailed areas of HF: human-computer interaction, task analysis, workstation design, environmental ergonomics and human reliability.

This course will be discounted by 5% for the second delegate and 10% for the third and subsequent delegates.

Training Event Code HF1-01-12

*This event will run from 21/05/2012 to . Venue: .
The cost of this course is £425 for the first delegate.*

*This course will be presented by:- **Dave Usher***

Training Event Code HF1-02-12

*This event will run from 26/11/2012 to 26/11/2012. Venue: .
The cost of this course is £425 for the first delegate.*

*This course will be presented by:- **Dave Usher***

Human Factors Practitioner Course

Overview

Duration (in days): 2

The discipline of Human Factors (HF) is otherwise known as ergonomics, human performance engineering, user-centred design, usability engineering or people-related requirements. This course takes to a higher level some of the themes developed in the basic Human Factors an introduction course, and introduces new concepts in the challenging areas of cognition, task analysis and biomechanics.

On completion of this course, delegates can be expected to be conversant with the core areas of the subject and the improvements good HF practice can make to safety, efficiency and productivity.

This course will be discounted by 5% for the second delegate and 10% for the third and subsequent delegates.

Training Event Code HFP-01-12

*This event will run from 09/01/2012 to 10/01/2012. Venue: .
The cost of this course is £850 for the first delegate.*

*This course will be presented by:- **Dave Usher***

Training Event Code HFP-02-12

*This event will run from 11/06/2012 to 12/06/2012. Venue: .
The cost of this course is £850 for the first delegate.*

*This course will be presented by:- **Dave Usher***

Training Event Code HFP-03-12

*This event will run from 15/10/2012 to 16/10/2012. Venue: .
The cost of this course is £850 for the first delegate.*

*This course will be presented by:- **Dave Usher***

Logistic Support Analysis (LSA)

Overview

Duration (in days): 5

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 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 compilation process. Thus the training in the LSAR is fully integrated into the course and is not presented as a stand-alone topic. The course addresses LSA in accordance with Defence Standard 00-60.

A proprietary software package "EDCAS" is used as a training aid to support some of the practical exercises.

This course is aimed at LSA Practitioners and ILS Managers (ILSMs).

This course will be discounted by 5% for the second delegate and 10% for the third and subsequent delegates.

Training Event Code LA-01-12

*This event will run from 12/03/2012 to 16/03/2012. Venue: .
The cost of this course is £1450 for the first delegate.*

*This course will be presented by:- **Peter Stuttard***

Training Event Code LA-02-12

*This event will run from 16/07/2012 to 20/07/2012. Venue: .
The cost of this course is £1450 for the first delegate.*

*This course will be presented by:- **Peter Stuttard***

Training Event Code LA-03-12

*This event will run from 03/12/2012 to 07/12/2012. Venue: .
The cost of this course is £1450 for the first delegate.*

*This course will be presented by:- **Peter Stuttard***

LSAR and Logistics Data Management

Overview

Duration (in days): 5

A practical course that is designed to complement the Aspire Logistic Support Analysis (LSA) course.

The Logistics Data Management course addresses the requirement for, the development of and the use and management of Logistics data in a Systems Engineering context.

As the delegate will have experience or knowledge of the Integrated Logistic Support (ILS) and LSA processes this course leads them through a complete project from start to finish. It takes the delegate from the Integrated Logistic Support Plan (ILSP), Statement of Work (SOW) and Use Study through to determination of resources at each level of repair, including tools, spares, skill sets, training needs and technical documentation.

Logistics Data Management is seen as one of the "Black Arts" of Supportability Engineering that frequently leads to enormous costs and indifferent to poor results. This "Logistics Data Management" course aims to reverse that trend.

The course is founded on an understanding of the relationship between the logistics data and support requirements and specifications, the design, support deliverables and management deliverables, are stressed throughout the course. The purpose of the logistics database is explored and related to the LSA process and the LSA tasks. This leads to a discussion on the range of information and data that would be required at each stage of the System Life Cycle.

The application of these concepts in a contracting environment is addressed; Data Element Definitions (DEDs), Data Item Descriptions (DIDs), Contract Data Requirements List (CDRLs) and Data Selection Sheets [DSS] are introduced. The structure of the LSAR as defined by the "Tables", their content and their relationships is analysed, once again these are related to the LSA and Systems Engineering processes. The database indexing systems, the Logistic Support Analysis Control Number (LCN), Alternative Logistic Control Number (ALC) and Usable On Code (UOC) are explained.

The management of the logistics data begins with tailoring of the project. When to use or not to use a LSAR and how data can be used and not just stored, the use of the Defence Standard 00-60 "LSAR Data Tables to Report Matrix" is explained, as are methods for monitoring the status of the developing data.

This course will be discounted by 5% for the second delegate and 10% for the third and subsequent delegates.

Training Event Code LD-01-12

*This event will run from 06/02/2012 to 10/02/2012. Venue: .
The cost of this course is £1450 for the first delegate.*

*This course will be presented by:- **Amir Dehghani***

Training Event Code LD-02-12

*This event will run from 10/09/2012 to 14/09/2012. Venue: .
The cost of this course is £1450 for the first delegate.*

*This course will be presented by:- **Amir Dehghani***

MSG-3 - Foundation

Overview

Duration (in days): 3

This course is designed to provide the delegate with a high level of understanding of the MSG-3 process coupled with a sound knowledge of the underlying principles. The fundamental principles are established and then built upon using a combination of advanced presentation techniques, informal delegate instructor interaction and formal scripted syndicate and individual exercises. This course is aimed at the aviation sector.

The course begins by defining MSG-3, its aims and historical origins. The subsequent modules provide the delegate with an understanding of Reliability and failure characteristics theory required to understand the MSG-3 logic and then addresses the components of the MSG-3 methodology. Separate modules cover MSG-3 specifics such as Structurally Significant Items (SSI), Zonal Maintenance and Lightning / High Intensity Radiated Field (L/HIRF) Analysis. The course concludes with a look at MSG-3 Management issues and a summary of the course and conclusion.

This course will be discounted by 5% for the second delegate and 10% for the third and subsequent delegates.

Training Event Code MSG-3-3-01-12

*This event will run from 26/03/2012 to 28/03/2012. Venue: .
The cost of this course is £1100 for the first delegate.*

*This course will be presented by:- **Jason Hall***

Training Event Code MSG-3-3-02-12

*This event will run from 02/07/2012 to 04/07/2012. Venue: .
The cost of this course is £1100 for the first delegate.*

*This course will be presented by:- **Jason Hall***

Training Event Code MSG-3-03-12

*This event will run from 10/12/2012 to 12/12/2012. Venue: .
The cost of this course is £1100 for the first delegate.*

*This course will be presented by:- **Jason Hall***

Principles of Supportability Engineering

Overview

Duration (in days): 2

This course gives the delegate a broad understanding of the complex topic of Supportability Engineering (in Defence terminology Integrated Logistic Support) and the associated topics of Logistic Support Analysis [LSA] and Reliability and Maintainability (R&M). The course is aimed at those personnel becoming involved in a Supportability Engineering programme for the first time and Project Managers requiring an overview.

The course is designed to enhance the delegate's awareness of Supportability Engineering (SE), why it is required, what it is, who will be involved, when it should be implemented and how, albeit at a very high level. The problems and potential pitfalls will be discussed as well as the potential benefits.

The course is founded on the basic principles of SE and LSA and is not driven by any existing or planned standards, although these are introduced and their relationship to these basic principles is explored. The course has a pragmatic style; whilst it introduces some new concepts the aim is that the delegates should be able to relate these concepts to existing practices and to apply them in improving those practices.

This course will be discounted by 5% for the second delegate and 10% for the third and subsequent delegates.

Training Event Code PSE-01-12

*This event will run from 23/04/2012 to 24/04/2012. Venue: .
The cost of this course is £850 for the first delegate.*

*This course will be presented by:- **Peter Stuttard***

Training Event Code PSE-02-12

*This event will run from 09/07/2012 to 10/07/2012. Venue: .
The cost of this course is £850 for the first delegate.*

*This course will be presented by:- **Peter Stuttard***

Training Event Code PSE-03-12

*This event will run from 05/11/2012 to 06/11/2012. Venue: .
The cost of this course is £850 for the first delegate.*

*This course will be presented by:- **Peter Stuttard***

Root Cause Failure Analysis [RCFA] - An Overview

Overview

Duration (in days): 1

This course is designed to provide the delegate with a thorough overview of the Root Cause Failure Analysis (RCFA) process coupled with a sound knowledge of the underlying principles. The fundamental principles are established and then built upon using a combination of advanced presentation techniques, informal delegate instructor interaction and formal scripted syndicate and individual exercises. The course begins by defining RCFA and then considers generic plant equipment troubleshooting examples.

The subsequent modules cover the analytical tools used by the RCFA Analyst and addresses the requirements of each stage of the RCFA methodology. A short conclusion session rounds off the day and allows the delegates to consolidate their knowledge and allows points of clarification to be addressed.

This course is currently aimed at the Manufacturing / Production Engineering sector but can be tailored to other engineering environments on request.

This course will be discounted by 5% for the second delegate and 10% for the third and subsequent delegates.

Training Event Code RCFA-1-01-12

*This event will run from 14/02/2012 to 14/02/2012. Venue: .
The cost of this course is £425 for the first delegate.*

*This course will be presented by:- **Peter Stuttard***

Training Event Code RCFA-1-02-12

*This event will run from 23/05/2012 to 23/05/2012. Venue: .
The cost of this course is £425 for the first delegate.*

*This course will be presented by:- **Peter Stuttard***

Training Event Code RCFA-1-03-12

*This event will run from 12/11/2012 to 12/11/2012. Venue: .
The cost of this course is £0 for the first delegate.*

*This course will be presented by:- **Peter Stuttard***

Introduction to RCM in the Defence Sector

Overview

Duration (in days): 1

This course is designed to provide the delegate with an appreciation of the Reliability Centered Maintenance (RCM) process and the underlying principles. The fundamental principles are established and then built upon using a combination of advanced presentation techniques, informal delegate instructor interaction and formal scripted syndicate and individual exercises.

The course begins by overviewing the aims of RCM and its historical origins. The subsequent modules consider the failure process and what can be achieved utilising this knowledge. An examination of the different maintenance solutions available when assessing suitable and applicable Preventive Maintenance tasks and the determination of task frequencies follows.

The course concludes by considering the management aspects of a full RCM programme and a discussion on the various methods by which RCM can be implemented.

This course will be discounted by 5% for the second delegate and 10% for the third and subsequent delegates.

Training Event Code RCM-1-01-12

*This event will run from 20/03/2012 to 20/03/2012. Venue: .
The cost of this course is £0 for the first delegate.*

*This course will be presented by:- **Jason Hall***

Training Event Code RCM-1-02-12

*This event will run from 04/09/2012 to 04/09/2012. Venue: .
The cost of this course is £425 for the first delegate.*

*This course will be presented by:- **Jason Hall***

Defence Sector RCM Foundation

Overview

Duration (in days): 3

This course is designed to provide the delegate with a high level of understanding of the Reliability Centered Maintenance (RCM) process coupled with a sound knowledge of the underlying principles. The fundamental principles are established and then built upon using a combination of advanced presentation techniques, informal delegate and Course Presenter interaction and formal scripted syndicate and individual exercises.

The course begins by defining the aims of RCM and its historical origins. The subsequent modules address the failure process and what can be achieved utilising this knowledge. An examination of the different maintenance solutions available when assessing suitable and applicable Preventive Maintenance tasks and the determination of task frequencies follows. In order to present a complete explanation of the RCM process its related topics, for example, Packaging, Age Exploration (AE), Zonal Maintenance, the role of RCM with an Integrated Logistic Support (ILS) programme and Resource identification are also addressed.

The course concludes by addressing the management aspects of a full RCM programme and a discussion on the various methods by which RCM can be implemented.

This course will be discounted by 5% for the second delegate and 10% for the third and subsequent delegates.

Training Event Code RCM-3-01-12

*This event will run from 27/02/2012 to 29/02/2012. Venue: .
The cost of this course is £1100 for the first delegate.*

*This course will be presented by:- **Jason Hall***

Training Event Code RCM-3-02-12

*This event will run from 28/05/2012 to 30/05/2012. Venue: .
The cost of this course is £1100 for the first delegate.*

*This course will be presented by:- **Jason Hall***

Training Event Code RCM-3-03-12

*This event will run from 19/11/2012 to 21/11/2012. Venue: .
The cost of this course is £1100 for the first delegate.*

*This course will be presented by:- **Jason Hall***

Developing a Safety Case - An Introduction

Overview

Duration (in days): 1

This one-day course is designed to impart a basic understanding of the concepts underlying safety analysis, and of the structure and rationale of the safety documentation required by the Ministry of Defence procurement process. The course describes the methods and procedures for preparing clear, concise and comprehensive documents in accordance with specific standards, notably Defence Standard 00-56 and JSP454.

This course will be discounted by 5% for the second delegate and 10% for the third and subsequent delegates.

Training Event Code SC1-01-12

*This event will run from 22/05/2012 to 22/05/2012. Venue: .
The cost of this course is £425 for the first delegate.*

*This course will be presented by:- **Dave Usher***

Training Event Code SC1-02-12

*This event will run from 27/11/2012 to 27/11/2012. Venue: .
The cost of this course is £425 for the first delegate.*

*This course will be presented by:- **Dave Usher***

Training Needs Analysis (TNA) Foundation

Overview

Duration (in days): 5

This course is designed to provide the delegate with a high level of understanding of the Training Needs Analysis (TNA) process coupled with a sound knowledge of the underlying principles. The fundamental principles are established and then built upon using a combination of advanced presentation techniques, informal delegate instructor interaction and formal scripted syndicate and individual exercises. The course begins by defining the aims of TNA. The subsequent modules address the phases of the TNA, the products - "deliverables"- the processes and analysis required to be carried out.

The course can be tailored to meets the needs of the individual customer where the exercises and products can be project specific.

This course will be discounted by 5% for the second delegate and 10% for the third and subsequent delegates.

Training Event Code TNA5-01-12

*This event will run from 23/01/2012 to 27/01/2012. Venue: .
The cost of this course is £1450 for the first delegate.*

*This course will be presented by:- **Barry Howarth***

Training Event Code TNA5-02-12

*This event will run from 25/06/2012 to 29/06/2012. Venue: .
The cost of this course is £1450 for the first delegate.*

*This course will be presented by:- **Barry Howarth***

Training Event Code TNA5-03-12

*This event will run from 17/09/2012 to 21/09/2012. Venue: .
The cost of this course is £1450 for the first delegate.*

*This course will be presented by:- **Barry Howarth***

Introduction to Training Needs Analysis (TNA)

Overview

Duration (in days): 1

This course provides the delegate with an insight into the procedures and products of Training Needs Analysis (TNA).

The course is aimed at all personnel requiring an overview of TNA or being introduced to the subject for the first time. The course is designed to enhance the delegate's awareness of TNA, its relationship to Supportability Engineering tasks, what TNA is and does, and who will be involved in the process.

This course will be discounted by 5% for the second delegate and 10% for the third and subsequent delegates.

Training Event Code TNA1-01-12

*This event will run from 13/02/2012 to 13/02/2012. Venue: .
The cost of this course is £425 for the first delegate.*

*This course will be presented by:- **Barry Howarth***

Training Event Code TNA1-02-12

*This event will run from 14/05/2012 to 14/05/2012. Venue: .
The cost of this course is £425 for the first delegate.*

*This course will be presented by:- **Barry Howarth***

Training Event Code TNA1-03-12

*This event will run from 08/10/2012 to 08/10/2012. Venue: .
The cost of this course is £425 for the first delegate.*

*This course will be presented by:- **Barry Howarth***

Booking Form

To book fill in this form and post or fax it to Aspire, on +44 (0)1827 723829, or visit our web site and book on line at:- www.aspirecl.com

Delegate Names: _____

Event Name: _____ **Event Code:** _____

Contact Name: _____

Organisation: _____

Address: _____

Post Code: _____

Tel: _____ **Fax:** _____ **Order No. / Authority Ref:** _____

Payment terms - Delegates will be invoiced on completion of the course.
Payment can be made by BACS or Cheque. Cancellations will be accepted any time up to 14 days before the start date. Aspire reserve the right to cancel at any time. Aspire can also provide either scheduled or bespoke training courses on the customers premises. Contact Aspire at the address below for further details.

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