

CIVIL AVIATION REQUIREMENTS and Related Subjects

Since its establishment in May 2000, Jargon Aviation Consultancy has developed a full range of trainings in the field of civil and military aviation requirements in the area of initial and continuing airworthiness and related subjects. More than 400 trainings have been developed and delivered, both in-house and as "open" subscription trainings. Part of them on behalf of the JAA (between 2004 and 2008). Worldwide, more than 6600 aviation professionals have been trained by Roger van der Velden of Jargon Aviation Consultancy. That is a unique track record.

The training materials are constantly being amended to the latest standards and publications and taking into account customer feedback.

Jargon is focussing on **in-house** trainings. These can be tailored to the organisation, the situation and the target group and thus provide much more added value than an off-the-shelf training. Special subjects can easily be added at customer's request. In many occasions Jargon delivered special, high level trainings for managers in group sizes of 1 to 6 persons.

As requested by the customer, examinations may be taken after the trainings. These examinations may be either EASA e-examinations (Jargon is an accredited EASA e-examination provider) or Jargon developed examinations. The latter focus more on understanding the requirements, not just knowing the exact text of the requirements.

Below is an overview of the trainings currently available for civil aviation requirements and related subjects. Five different main groups are distinguished. Please note that if the training you are looking for is not included in this list, it can probably be made available. A separate pamphlet is available for trainings on military aviation requirements.

REGULATORY REQUIREMENTS

Jargon's trainings on regulatory requirements focus on transferring knowledge and on creating insight and understanding.

Each Jargon training on rules and regulations includes an overview of the regulatory system and the roles and responsibilities of ICAO, EASA, the former JAA, the individual EASA and non-EASA member states and the approved organisations (design, production, continuing airworthiness management, maintenance etcetera). The relationships between different rules and regulations are also covered.



The rules and their supporting materials like Acceptable Means of Compliance (AMC) and Guidance Materials (GM) are discussed and explained in detail. Where applicable, the training content covers the syllabi published by EASA. Recent developments and proposed amendments are also discussed. During the trainings many examples are given of the implementation of the regulation in organisations. There is ample time for questions and discussion.

Below is an overview of the regulations that are covered by Jargon trainings.

- 1) **Basic Regulation EC 216/2008**
 - a. **Essential elements for approved organisations (2 hrs.)**
 - b. **Essential requirements and regulations structure (4 hrs.)**

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- 2) **Part-M (annex I of EC 2042/2003)**
 - a. Full coverage of Part-M (3 days)
 - b. Continuing Airworthiness Management Organisations (2days)
 - c. Non-commercial aviation aspects of Part-M (2 days)
 - d. Airworthiness Review (1 day)
- 3) **Part-145 (annex II of EC 2042/2003)**
 - a. Approved Maintenance Organisations (2 days)
 - b. Essential elements of Part-145 for management (1 day)
- 4) **Part-66 (annex III of EC 2042/2003)**
 - a. Certifying Staff Requirements in detail (1 day)
 - b. Full coverage of Part-66 and Part-147 (1 day)
- 5) **Part-147 (annex IV of EC 2042/2003)**
 - a. Maintenance Training Organisations in detail (1 day)
 - b. Full coverage of Part-66 and Part-147 (1 day)
- 6) **Part-21 (annex I of EU 748/2012, formerly EC 1702/2003)**
 - a. Full coverage of Part-21 in detail (3 days)
 - b. Production Organisation Approvals (Subpart G) (1 day)
 - c. Certification and Design Organisation Approvals (subpart J) (2 days)
- 7) **Airworthiness Awareness**
 Overview of regulatory requirements of Part-21, Part-M, Part-145 and Part-66 for production staff or management (1 day)
- 8) **FAR 145 including FAR 43 and differences with EASA Part-145**
 Full coverage of Title 14 CFR Part 145 (FAR 145) with relevant elements of related requirements like FAR 43 and differences with EASA Part-145 (1 day)
- 9) **Bilateral Aviation Safety Requirements (BASA)**
 - a) Full coverage of BASA EU-USA or BASA EU-Canada including the implementing procedures in TIP and MAG (3 days)
 - b) Overview of most essential elements of the BASA's, TIP's and MAG's, for management (1 day).

The trainings on regulatory requirements are focused on transfer of knowledge of the rules and their supporting materials like Acceptable Means of Compliance and Guidance Materials. The development of the rules, their background and the relationship with other regulations are also covered. This will enhance understanding of the rules. The contents of these regulations trainings cover the syllabi published by EASA.

During the training many examples are given of the implementation of the regulation in organisations. For in-house trainings these examples are focused on the particular organisation and the procedures in place. Throughout the trainings there is ample time for questions and discussion.

HUMAN FACTORS IN MAINTENANCE

- 1) Introduction to human factors (1 day)
- 2) Human factors for management (1 day)
- 3) **STAMINA Human factors Training**
 - a. Core Course (2 days)
 - b. Extended Core Course (3 days)
- 4) Continuation training (0.5 to 2 days)
- 5) Auditing human factors implementation (3 days)

All Human factors trainings are very interactive in nature. They include the use of group discussions, exercises, games, video, case studies etcetera. For in-house trainings the content of the training is adapted to the particular organisation. The STAMINA training is was originally developed by a consortium led by Trinity College of Dublin and later amended and updated by Kratis Training & Consulting and Jargon Aviation Consultancy. The STAMINA core course covers the requirements of Part-66 Module 9 and the Part-145 Guidance Material.

AUDITING

- 1) **Part-145 Process auditing (also for Part-M/G and -M/F organisations) (3 – 4 days)**
- 2) **Part-145 Product auditing (also for Part-M/G and -M/F organisations) (3 – 4 days)**
- 3) **Special auditing techniques for assessing development stage of human factors, safety management and safety culture (see related subjects)**

The auditing trainings developed by Jargon Aviation Consultancy are unique in the sense that they are based on the European Civil Aviation Requirements, not the ISO 9000 series. Exercises are based on role play in a simulated Part-145 maintenance organisation. This "**Company in the Classroom**" is a unique element of the Jargon audit trainings. It eliminates the need to exercise in a production environment, which is usually not very effective for group training. The level of difficulty in the role play exercises can be adapted to the experience and skill level of the participants.

For in-house trainings the procedures and forms used in the training are adopted to those of the particular organisation.

INCIDENT INVESTIGATION USING TRIPOD BETA

- 1) **Tripod Beta in Aviation (3 – 4 days)**

Tripod Beta was originally developed for use in the oil and gas industry. It provides a structured analysis methodology taking into account human factors. For this training Jargon Aviation Consultancy adapted the original materials and the examples and cases to the aviation industry. This very practical training also includes investigative interviewing techniques. Available software is demonstrated.

SAFETY MANAGEMENT SYSTEMS AND RISK ASSESSMENT

- 1) **Safety Management Systems for Management (1 day)**
- 2) **Safety Management Systems in Detail (3- 4 days)**
- 3) **Auditing SMS implementation and safety culture (3 days)**

In collaboration with Kratis Training & Consulting of Cyprus SMS trainings have been developed for different target groups. Each training covers the ICAO training syllabus and focuses on the particular needs of the group and includes practical exercises and examples. The detailed and auditing training include several exercises for participants to get acquainted with the principles and practice of safety management.

- 4) **Risk assessment using Bow-Tie methodology (3 days)**

The Bow-Tie methodology provides a structures, visualised way of assessing risks and identifying mitigation measures (controls). Like the Tripod Beta methodology (see above), the Bow-Tie method is based on barrier thinking. During the training exercises are carried out and a case study is completed to practice the methodology. Available software is demonstrated.

CONTACT

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The best add-on to a great training

In September 2010 Jargon Aviation Consultancy launched **ePARTS**, providing all EASA parts in digital books that are **Complete**, **Current**, **Consolidated** and **Clickable**. Through a subscription **ePARTS** are automatically updated. Authorised users will always have the latest regulatory information available at the click of a mouse.

For more information visit the website: www.eparts.aero