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IFATSEA Verified Training

Introduction

The IFATSEA Verified Training for Air Traffic Safety Electronics Personnel (ATSEP) is a program aimed at verifying training courses for ATSEP. ATSEP play a critical role in ensuring the safe and efficient operation of air traffic control systems. The program aims to ensure that ATSEP have received the necessary training to perform their duties and gain awareness to carry out their tasks.

1.0 IFATSEA Basic Verified Training

The IFATSEA Basic Verified Training program ensures the global harmonization of training in support of the successful achievement of the Basic Training Objectives as listed in the ICAO Manual on Air Traffic Safety Electronics Personal Competency-based Training and Assessment Doc 10057.

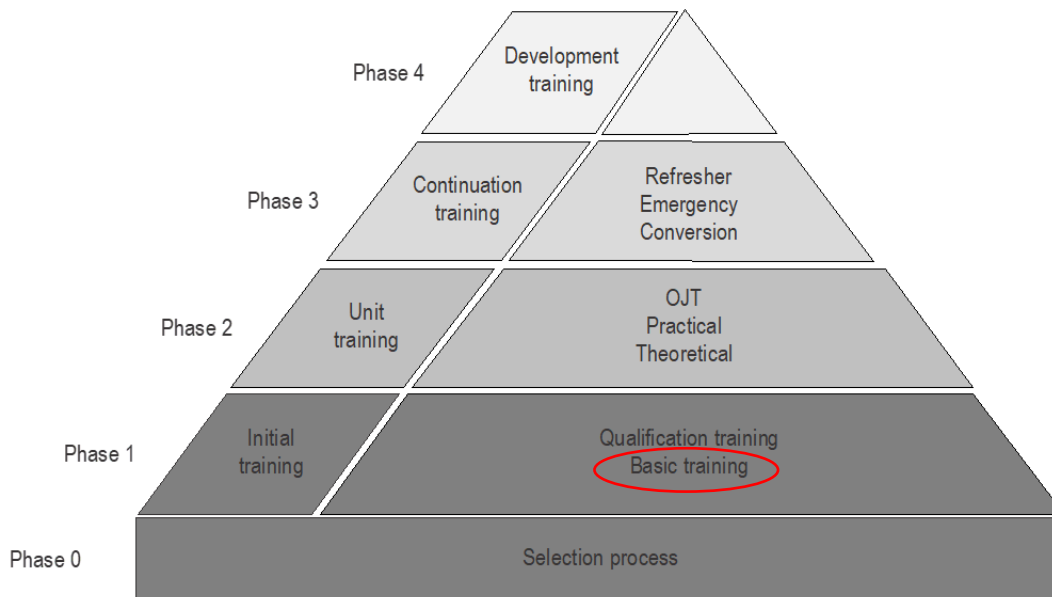
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@2023.

1.0 Benefits of Basic Verified Training

- Ensure the underpinning knowledge for all ATSEP training.
- The program provides recognition to organizations and individuals who meet the Basic Objectives in aviation training. This recognition sets a benchmark for quality and safety in the industry and demonstrates a commitment to excellence.
- Increased credibility: The IFATSEA Verified training Program provides assurance to the aviation industry that the training received meets IFATSEA standards for Basic Objective training. This increased credibility can lead to increased business opportunities and customer satisfaction.
- Increased knowledge and skills: This will ensure that ATSEPs have the knowledge and skills necessary to succeed in industry.
- The program provides opportunities for aviation training organizations, instructors, and individuals to connect with other professionals in the industry. This can lead to collaborations, and valuable industry relationships.
- Build the foundation of understanding of the local and global impact of the work that ATSEPs perform.

3.0 From Doc 10057 – ATSEP Training Phases



The diagram illustrates the 4 phases of training as identified in ICAO Doc 10057 Manual on Air Traffic Safety Electronics Personnel Competency-based Training and Assessment. The focus of the Program is the Basic Training portion of Phase 1 as identified above.

4.0 WP229

In October of 2018, a Working Paper was submitted by IFATSEA at the ICAO Thirteenth Air Navigation Conference. The paper was accepted as WP229.

The Working Paper describes a proposal to make the successful achievement of the Basic Training Objectives as listed in the ICAO *Manual on Air Traffic Safety Electronics Personal Competency-based Training and Assessment* (Doc 10057) mandatory for all Air Traffic Safety Electronics Personnel (ATSEP).

5.0 Harmonization of the ATSEP Basic Training

Harmonization of ATSEP Basic Training can be achieved by conducting Basic Training course audits. The audits will ensure that the Training Objectives listed in the ICAO Doc 10057 Manual on Air Traffic Safety Electronics Personal Competency-based Training and Assessment Appendix B Basic Training are covered in their entirety and to the appropriate level of taxonomy as per Appendix C.

6.0 Audit Process

Audits are normally full evaluations that are conducted by an independent person (or team) and produce findings and a decision (sometimes called a determination). Strictly speaking, an audit evaluates performance against specific measures and thresholds. Findings are the results against each of the requirements, it could be a finding of compliance or non-compliance supported by a record of the evidence found.

Our audits will be completed by comparing Client Course material to the ICAO Manual on ATSEP Competency Based Training and Assessment Doc 10057 Appendix B objectives and Appendix C taxonomy. Additionally, the IFATSA Basic Objectives Syllabus will be used as a supporting document to the ICAO Doc 10057 when conducting the audit.

Note:

- Organization of the objectives within the training material is at the discretion of the training provider.
- All Client Course material will be treated as confidential and remains the property of the training provider and will not be shared.

The audit will:

- Auditor(s) will ask to be provided with samples of training material before the audit to allow insight into the structure and the content of the training material.
- Ensure Client Course includes all objectives listed in Doc 10057.
- Compare levels of taxonomy in Client Course to ICAO Doc 10057 Training Objectives Taxonomy Appendix C. IFATSEA Basic Objectives Syllabus will be used as a reference.
- Provide “level of compliance” report of Client Course material based on conformance objectives and levels of taxonomy.
- Auditor(s) can make recommendations for improvement where applicable.

7.0 Program Standards

A total of 289 Objectives in 10057 that will be reviewed.

Successful Verification requires a total of 260 objectives to be fully covered at the appropriate level, and other elements present. (90%)

A Conditional Verification will be granted if a total of 216 objectives are fully covered at the appropriate level. (75%)

8.0 Successful Audit

Upon completion of a successful audit, the training will be IFATSEA Verified as compliant with the program standards.

The training organization’s Basic Training course will also be recognized as “IFATSEA Verified Training”, and a certificate will be issued.

9.0 Conditional Verification

Courses meeting Conditional Verification will be granted a 6-month period to update course material to full compliance. If no additional compliance is made after 6-month period, Conditional Verification is lost.

10.0 Why Verification?

Verification refers to the process of evaluating a product or system to determine whether it meets specified requirements. This process is often carried out through testing, simulation, analysis, and inspection. The goal of verification is to ensure that the product is designed correctly and meets the requirements set out in the design phase. Verification focuses on ensuring that the product is designed correctly.

11.0 The Audit Team

Audits will be completed by a team of Subject Matter Experts (SME's) who have a training design and development background, as well as thorough knowledge of the ICAO Doc 10057 and ICAO Competency Based Training principles.

12.0 IFATSEA Basic Objectives Syllabus

- Is based on ICAO Doc 10057, Appendix B Recommended Training Objectives for Initial Training.
- Is a collaborative document created by members of IFATSEA.
- Includes the Doc10057 objectives as well as Development Notes, Resources, and proposed Times.
- Provide supplementary information to support the course content to meet the stated objectives.

The IFATSEA Syllabus will be used to support the audit. Development Notes, Resources and Proposed Times are additional items available in the IFATSEA syllabus that will provide additional context for the objectives. The Proposed Times are for guidance only. Time savings can be realized by developers through course design techniques such as combining objectives, course layout, etc.

13.0 Delivery Method

There are various training delivery methods available to training organizations. We are not evaluating or making recommendations regarding training delivery.

However, in our opinion, training delivery that would be suitable for the level of taxonomy described in ICAO Doc 10057 Appendix C should include a combination of computer-based training supported by virtual instruction and virtual learner support. Some of the concepts require instructor access, either for actual delivery, or for questions and/or comprehensive topic review.

14.0 Testing/Assessment

Testing within the training should follow the principles of validity, reliability, balance, efficiency, objectiveness, and fairness. For additional information regarding testing, refer to ICAO Doc 9941 Training Development Guide.

15.0 ICAO TrainAir Plus Feedback

The audit team received the following feedback from a recent project:

“Throughout the course development process, your technical expertise and extensive experience in the field of ATSEP contributed to the alignment of the course content with the relevant ICAO provisions on this topic. I’m grateful for your valuable comments which help improve the course quality and consequently will enhance the competencies of ATSEP worldwide.”

END