

AEROSPACE & DEFENSE

Instructional Systems Development

ENSURING AN EFFICIENT, COST-EFFECTIVE TRAINING SYSTEM

Applying the Instructional Systems Development (ISD) process during the development of training systems ensures an efficient use of resources and results in effective training and training products. Aviation Training Consulting, LLC (ATC) has an ISD Department comprised of ISD developers and designers with vast involvement in Department Of Defense training development work, and subject matter experts with years of military experience in the appropriate systems.



Innovative Solutions

ATC's team of experts understands the critical steps of ISD. In order to execute effective training within the constraints of shrinking resources, training has to be developed using sound, proven ISD principles. ATC provides flexible, innovative solutions for training by customizing the ISD process entry and exit points to fit the client's needs. Options include:

- *Ground-up Development*
- *Update Existing Training Programs*
- *Retrofit Existing Programs to:*
 - * Provide ISD Foundation
 - * Identify Gaps in Training
 - * Enable Concurrency Management

Analysis

The first step is a needs assessment. ATC works with the client to identify training program issues and propose solutions, catalog existing training data, and pinpoint the appropriate ISD process entry point. If needed, a job and task analysis is performed to determine which tasks require training and to create the foundation from which training products are derived.

Design

Utilizing the data from the analysis or existing client data, if previously developed, the design phase is the planning stage of ISD. Its purpose is to transform the data into a concise instructional "blueprint" that will guide training materials development and presentation. This includes:

- **Learning Objectives** — the behaviors to be trained plus conditions and standards
- **Syllabus of Instruction** — what needs training, when, and how
- **Media Analysis** — exploiting training technology to balance effective training with affordability and safety
- **Lesson Strategy** — detailed requirement for instructional design of the lesson

Development

The development phase translates design decisions into cost effective training materials. From the design data, ATC can develop instructor and student guides, interactive multimedia instruction, flight simulator scenarios, and evaluation instruments.

Implementation

ATC can develop an implementation plan to assist the client in facilitating the inception of the new or revised training. This plan will ensure an easy transition from old to new.

Evaluation

Continuous improvement is inherent in the ISD process. ATC works collaboratively with the client throughout the process to ensure the final product is relevant, effective, and on-budget.

Contact us.

For more Information on how our Instructional Systems Development Services can help you, contact:

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