



Analysis

Design

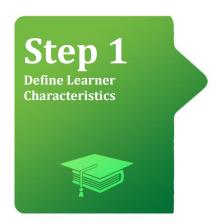
Development

Conduct

Evaluation

Validation

The primary objective of the **Design Phase** is to conceive a Training Plan (TP) that will enable Canadian Armed Forces (CAF) members to achieve the Performance Objectives defined in the Analysis Phase, at optimum cost. CAF typically convenes a Training Plan Writing Board (TPWB) consisting of subject matter experts and instructional designers to design the Training Plan using the following 7 step process.



CFITES Requires

Identify the characteristics of the target audience & factors that contribute to or impede learning; such as prior training; current education, experience & abilities; annual throughput required; trainees` location & access to computers or other equipment.

ADV!SOR Added Value

- ✓ Prompts users for key target audience characteristics including skillset, location, attitude, access to technology, compensation, throughput, etc., needed to identify viable training delivery media/methodology & support learner centric design
- ✓ Facilitates collaboration, sharing & reuse of data. Stores all data in a centralized database that can be leveraged by all courses targeted for those learners



CFITES Requires

Use the following process to determine what needs to be taught to the learner in order to achieve the Performance Objective (PO):

- 1. Identify the major components & sub components of the tasks including Knowledge, Skills & Attitudes (KSAs) that make up the PO - often referred to as task deconstruction. Deconstruction stops when the sub component is equal to learner's entry level
- 2. Apply target population information to the components & sub components to determine what amount of training is required

ADV!SOR Added Value

- ✓ Speeds data analysis. Tasks & Performance Objectives (POs) identified during training analysis can be deconstructed into Sub Tasks & assigned Knowledge, Skills & Attitudes (KSAs)
- Minimizes duplication by automatically creating a repository of Tasks & KSAs to facilitate the allocation of similar Tasks to multiple Jobs as well as similar KSAs to multiple Tasks. By tracking Tasks & KSAs common among multiple Jobs, ADVISOR facilitates the development of highly efficient curriculum





CFITES Requires

- 3. Group & sequence the components & sub components into units suitable for learning referred to as Enabling Objectives (EOs) & Teaching Points. EOs are equivalent to Lessons & Teaching Points to Learning Objectives (LOs)
- 4. Write EOs. An EO is a principle unit of learning & constitutes a major step towards achieving the PO. An EO contains three essential parts:
 - a. Performance Statement
 - b. Conditions Statement
 - c. Standard Statement
- 5. Develop a Scalar Diagram. A Scalar provides a graphical representation of the EO & Teaching Point hierarchy

ADV!SOR Added Value

- Quickly reorganize Tasks & Sub Tasks as well as POs & EOs using drag & drop functions that preserve the relationships among Tasks, POs, EOs & KSAs
- Prompts users for standards & conditions (i.e., given, denied & environment) needed to generate EOs in line with CFITES requirements
- ✓ Quickly identifies the training requirements for each Job by comparing the Desired KSA Levels to trainees' Current/Entry Levels
- Generates scalar diagrams with the click of a button



CFITES Requires

Describe the concept for formative (EO) & summative (PO) assessment. Develop a plan that includes a pass/fail policy & test/retest policy.

ADV!SOR Added Value

Standardizes the generation of Enabling Checks (ECs) & Performance Checks (PCs) in Training Plans (TPs) & Qualification Standards and Plans (QSPs)



CFITES Requires

Describe how each PO/EO will be assessed – including content & format.

ADV!SOR Added Value

Facilitates the development of Test items for each Learning Objective including Question Type (i.e., multiple choice, matching, etc.) & Assessment Type (i.e., formative or summative)





CFITES Requires

Use the following process to select & assess the viability of alternate delivery options:

- 1. Identify Instructional Methods i.e., lecture, self-study, on-job training, simulation, etc.
- 2. Identify Instructional Media i.e., Computer, Texts, web conference, simulator, etc.
- 3. Consider the Learning Environment i.e., centralized, distributed, combined, etc.
- 4. Combine Methods, Media & Environment to create the instructional strategy
- 5. Consider Development Options i.e., inhouse, contracted, off-the-shelf or combination
- Calculate the costs of each strategy preliminary estimate to determine efficiency

ADV!SOR Added Value

- Minimizes the analysis time while preserving integrity by leveraging taxonomy to automatically group teaching points with similar characteristics
- Minimizes costly errors by assessing the viability of 40+ delivery options through a rigorous decision matrix that maps instructional requirements to the capabilities of each media
- Provides comprehensive & configurable step by step methodology for forecasting & comparing the costs, personnel & resource requirements of viable delivery options
- Quickly forecasts & compares budget & resource requirements of viable delivery options while preserving quality control by storing common measures such as hourly rates of developers, instructors & support staff; per diem & travel costs; equipment start-up & operation cost, etc., in Templates
- Conduct multiple "what-if" scenarios in seconds. Assess the impact of an increase in throughput, changes to instructor/ trainees ratios, use of alternate blends of delivery options, build versus buy, use of internal versus external personnel & so forth on budget, personnel & resources



CFITES Requires

Select the optimum strategy using the following process:

- 1. Measure the potential effectiveness of each option in meeting the performance requirement
- 2. Review development & operating costs for affordability & compare the efficiency of each option to identify the strategy that meets the requirements at the lowest cost
- 3. Consider the risks & organizational impact of each option
- 4. Develop a business case if resource implications are substantial

ADV!SOR Added Value

- Automatically assesses & rates the effectiveness of each delivery option based on instructional requirements. Eliminates instructional strategies that do not meet a critical requirement
- Forecasts & compares start-up & recurring costs of viable delivery options over program's life cycle
- Computes & compares the cost effectiveness ratios of viable delivery options to identify the option that best meets training needs at lowest cost
- Assesses the risk of each delivery option based on organization experience & readiness
- Generates comprehensive business case report to support recommendations with a single click





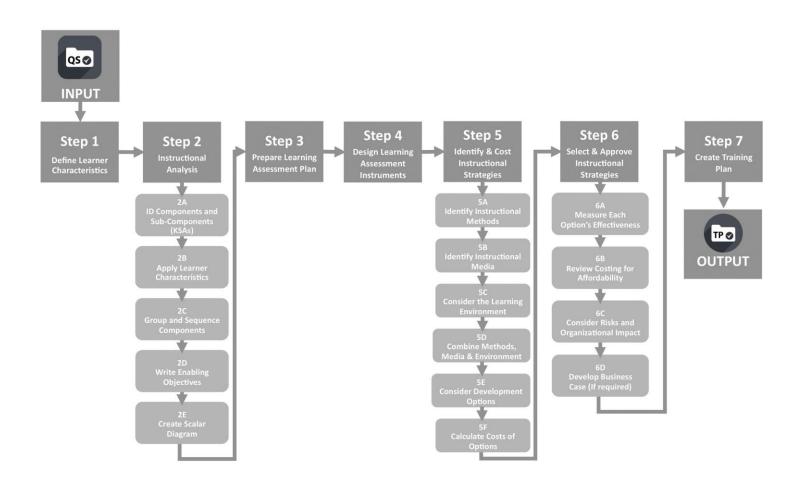
CFITES Requires

Compile the results from steps 1 to 6 into one formalized document referred to as the Training Plan (TP). The TP generally specifies:

- Course content
- Instructional strategy
- Assessment plan
- Resource requirements
- Lesson specifications

ADVISOR Added Value

- Generates TP documents that meet the requirements of all training authorities (Army, Navy, Air Force, Canadian Defence Academy) in a single click. In addition to minimizing the time needed to generate, ADVISOR preserves quality control
- Maintains multiple versions of a training plan through version control. Stored versions can be viewed & recovered at any time



Contact us today to find out how we can assist you in meeting CFITES requirements and drive training efficiency.

