

# Executive Report

## 700 Series Pilot

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Generates an executive level report that provides a brief summary of key findings including: key course information, effectiveness of plausible delivery options, cost of plausible delivery options and recommendations.

## Key Course Information

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### Trainees per Year:

Year	Number of Trainees
2021	200
2022	220
2023	225
2024	240
2025	250

**Course Start Date:** Jul 1, 2021

**Total Instructor Time:** 41.44 hours

**Total Learning Time:** 20.72 hours

## Instructional Groups:

<b>Group</b>	<b>Learning Outcome</b>
Group #3: Knowledge Fact	Knowledge
Group #15: Psychomotor Skill Mechanism	Psychomotor Skill

## Recommended Delivery Options

In most cases, multiple options may be used for the delivery of training. The following considerations may be used in making the final decision:

1. If effectiveness and costs are equally important, then the most cost-effective option - i.e., with highest effectiveness to cost ratio (presented below) could be recommended.
2. If costs are not a factor, then the most effective media could be recommended.
3. If costs are critical, then the cost economical media could be recommended.
4. If the organization favors a specific media due cultural, political, or other factors, then the additional costs of the preferred media should be considered in reaching final decision.

## Group #3: Knowledge Fact

### Instructional Goals/Objectives:

- Aeronautical terminology
- Organization of orders
- Aeromedical requirements
- General flight rules (CBT)
- Visibility (CBT)
- Thunderstorms (CBT)
- Atmospheric phenomena (CBT)
- Survival equipment
- Mission designators
- CF aircraft forms, reports, and returns
- Flight authorization procedures
- Verbalization of checklist items
- Airframe
- Flight controls (CBT)
- Engine and oil (CBT)
- Propeller (CAI)
- Fuel system (CAI)
- Electrical system, lights, stall warning
- Ancillaries - Gear, brakes, flaps, hydraulics, nose wheel steering (CAI)
- Environmental - Heating system, ventilation, air conditioning (CBT)
- Foreign Object Damage (FOD)
- Phonetic alphabet
- Aeronautical visual signals
- Gyroscopic principles and applications (CBT)
- Principles and operation of flight instruments (CAI)
- Altimetry (CAI)
- Pre-flight equipment checks (CBT)
- Marshalling signals

Delivery Options	Cost Effectiveness Rating	Effectiveness Rating	Total Cost	Length [hours]	Ranking
Internet Virtual Classroom	100.0%	94.0%	\$ 1,157,336.0	15.33	1
CBT	96.3%	96.0%	\$ 1,235,519.0	15.33	2
Instructor Led	91.4%	98.0%	\$ 1,316,923.0	15.33	3

## Group #15: Psychomotor Skill Mechanism

### Instructional Goals/Objectives:

- Flying Orders (CBT)
- Aircrew Life Support Equipment and operating procedures (CBT)
- Normal operations checklist (CAI)
- Normal operations checklist (DTS)
- Radio voice procedures
- VHF radio systems and operating procedures (CBT)
- IFF/SIF systems and operating procedures (CBT)
- Engine start, ground checks, and shutdown (DTS)

Delivery Options	Cost Effectiveness Rating	Effectiveness Rating	Total Cost	Length [hours]	Ranking
Full Task Trainer	100.0%	94.0%	\$ 2,468,295.0	5.39	1
700 Series Plane	39.5%	91.0%	\$ 6,168,894.0	5.39	2