



Crew Escape & Safety System Trainer

Introduction

The Crew Escape & Safety System Trainer (CESST) is a standalone training system enabling an instructor to demonstrate basic practical removal and fitment of an ejection seat and related Aircraft Assisted Escape System (AAES) components to and from an aircraft cockpit.

The CESST is capable of being used to carry out a range of procedural and inspection training tasks.



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Key Features

- High fidelity legacy reconditioned ejection seat
- High fidelity legacy ejection gun assembly
- Representative aircraft cockpit and structure
- Representative cockpit and control column
- Requires no electrical power or pressure systems
- Specialist tooling provided



Physical Specifications

PARTICULAR	VALUE	UNIT
Length	3000	mm
Width	2750	mm
Height	2000	mm
Weight	600	Kg

Environmental Specifications

PARTICULAR	VALUE	UNIT
Temperature Range (Operational)	+5°C to +40°C	°C
Humidity (Operational)	60% (Maximum Non-Condensing) ^{Note 1}	RH
Temperature Range (Non-Operational)	-25°C to +55°C ^{Note 2}	°C
Humidity (Non-Operational)	85% (Maximum Non-Condensing) ^{Note 1}	RH
Noise	65	dBA

Note 1 : Harmful effects of occasional condensation shall be avoided by additional measures within the facility.
Note 2 : Short periods not exceeding 24 h at up to +70°C.

Supported Training

PROCEDURAL TASKS
Ejection Seat & Cartridge Removal
Ejection Seat & Cartridge Remove for Access only
Ejection Seat & Cartridge Installation
Ejection Seat & Cartridge Re-Installation post Remove for Access
Safety Equipment Removal
Safety Equipment Install
INSPECTION TASKS
Independent Checks post Ejection Seat Installation.

Aviation Regulations Alignment

EASA/EMAR PT 66	US/OTHER	CITY & GUILDS	MEA UNIT
Module 54.1 Crew escape and safety (System 95) <ul style="list-style-type: none"> Ejection seats Escape hatches/canopy, Miniature Detonating Cord (MDC) Global survival kits Impact protection 	CFETP: AFSC 2A6X3 - Aircraft Egress Systems Specialist (untyped) <ul style="list-style-type: none"> Removing, inspecting, installing, repairing, and modifying aircrew egress systems and components Performing or supervising functions involved in maintaining and inspecting egress systems and subsystems 	2675-03 Level 3 Diploma in Aircraft Maintenance (a) Unit 212 Aircraft Assisted Escape Systems (AAES) 4608-60 Level 3 Diploma in Aviation Maintenance (Weapons Maintenance) (a) Unit 426 Testing uninstalled Aircraft Assisted Escape System (AAES) components (b) Unit 432 Testing installed Aircraft Escape Systems (c) Unit 434 Removing Aircraft Assisted Escape Systems (AAES) (d) Unit 438 Installing Aircraft Assisted Escape Systems (AAES)	MEAARM0001 (MEA601) - Maintain aircraft egress systems

Supplied Documentation

Operation & Maintenance Manual
Student Manual (Technical Publications)

Ordering Information

PART NO	DESCRIPTION
80800-000-0001A	Crew Escape & Safety System Trainer

