

A-GRAMS

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AIR FORCE CIVIL ENGINEER SUPPORT AGENCY

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AIR FORCE QUALIFICATION TRAINING PACKAGE (AFQTP)?

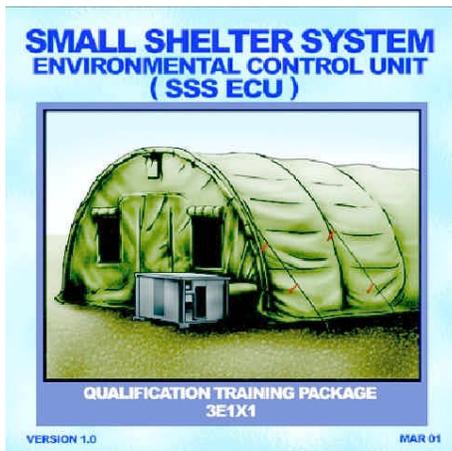
Small Shelter System Environmental Control Unit (SSS ECU) Model HAC-36-V4B

SYNOPSIS:

We have recently completed a new qualification training package CD-ROM – Small Shelter System Environmental Control Unit (SSS ECU). This training software program contains procedural guidance describing specific tasks identified in the Specialty Training Standard portion of the Heating, Ventilation, Air Conditioning, Controls/Refrigeration (HVAC/R) Career Field Education and Training Plan.

SMALL SHELTER SYSTEM ENVIRONMENTAL CONTROL UNIT (SSS ECU):

This QTP addresses the capabilities, components, installation, operation, maintenance, repair, and troubleshooting of the SSS ECU.



The primary reference document used to develop this QTP was Technical Order 35E9-163-11, "Environmental Control Unit (ECU), Model HAC-36-V4B."

This QTP consists of six lessons:

Lesson 1 familiarizes students with the capabilities and components of the SSS ECU.

The correct procedures for installing the SSS ECU are presented in the three segments of Lesson 2. Segment topics include unstacking, site selection/ preparation, and unit preparation.

Lesson 3 presents the procedures, theories, and sequences associated with operation of the SSS ECU. Segment topics include controls, heating, cooling, and settings/ adjustments/checks.

The Preventive Maintenance Checks and Services (PMCS) essential to operational readiness of the SSS ECU are detailed in Lesson 4.

Lesson 5 discusses the details of repairs and component removal/ replacement for the SSS ECU which can be accomplished at field level,

vice depot level or by the manufacturer.

Students are given an opportunity to test their skills at troubleshooting the SSS ECU in realistic scenarios outlined in Lesson 6.

The QTP utilizes narration, video clips, and over 250 photographs and illustrations to better equip the student to use the SSS ECU. "Helpful Hints, developed by the HVAC/R instructors from the Silver Flag Exercise Site, are also presented to aid the student. Review questions are included after each instructional lesson.

ACCESSIBILITY:

Initial distribution has been made. Questions regarding home station training or obtaining additional copies of this and other CD-ROM products may be addressed to HQ AFCESA/CEOT.

CONTACT:

SMSgt Michael Shakal
HQ AFCESA/CEOT
139 Barnes Drive, Suite 1
Tyndall AFB FL 32403-5319
DSN 523-6421 FAX 523-6488
Comm 850-283-6421
E-mail: Mike.Shakal@tyndall.af.mil