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**AFSC 3E1X1  
 HEATING VENTILATION AIR CONDITIONING AND REFRIGERATION  
 CAREER FIELD EDUCATION AND TRAINING PLAN**

This change is effective immediately. CFETP 3E1X1, dated May 2007 changes as follows:

1. The CFETP is revised to clarify Part II, Section A, Specialty Training Standard. This change rescinds portions of Change 1 and further incorporates proficiency codes from the Heating Ventilation Air Conditioning and Refrigeration 7- level Course Training Standard (CTS) dated 28 Sep 05 into the CFETP dated May 07. All proficiency codes identified will be placed in the 7-level column of the Specialty Training Standard. Items 8.3.4,11.7, 11.7.1, 11.7.2, 12.1.13, 13.2.4, 13.13, 13.13.1, 13.13.2, and 13.13.3 are being added to ensure all items trained under the original CTS are listed in the Specialty Training Standard. A proficiency code has been added to Line Item 11.6.1. A supplement to the CDCs has also been incorporated into this change.

2. The following items need to be rescinded from CFETP3E1X1C1 published 1 Feb 11.

<b>Pg #</b>	<b>Tasks</b>	<b>Action</b>
Pg 39	Terms	Line Item 11.6.3.1; Change from “-“ to “B” Proficiency Code in 7 Level Column (1)
Pg 39	General procedures for air balancing	Line Item 12.1.9; Change from “-“ to “2b” Proficiency Code in 7 Level Column (1)
Pg 39	Air volume measurement (methods, interpretation)	Line Item 12.1.10; Change from “-“ to “2b” Proficiency Code in 7 Level Column (1)
Pg 40	Interpret electrical drawings and symbols	Line Item 13.4; Change from “-“ to “2b” Proficiency Code in 7 Level Column (1)
Pg 44	Heat pumps	Line Item 19.5.3.3; Change from “-“ to “2b” Proficiency Code in 7 Level Column (1)
Pg 44	Troubleshoot System	Line Item 19.13.1; Change from “-“ to “2b” Proficiency Code in 7 Level Column (1)
Pg 44	Load Calculation	Add New Line Item: 19.14 Major Heading
Pg 44	Calculate Building Heat Load	Add Line Item 19.14.1. Place Proficiency Code “2b” in 7 Level Column (1)
Pg 44	Determine System Requirements	Add Line Item 19.14.2. Place Proficiency Code “2b” in 7 Level Column (1)
Pg 46	Using Electrical Schematic	Line Item 23.2.4.5.1; Change from “-“ to “B”

		Proficiency Code in 7 Level Column (1)
Pg 47	Using Electrical Schematic	Line Item 23.2.7.5.1; Change from “-“ to “2b” Proficiency Code in 7 Level Column (1)

3. Write in changes: 11 (Note – All proficiency code additions, updates are to be accomplished in the 7-skill Level “Course” column). Insert attached pages 49, 50, and 51.

<b>Pg #</b>	<b>Tasks</b>	<b>Action</b>
Pg 38	Use Ductulator	Add Line Item: 8.3.4; Place Proficiency Code “2b” in 7 Level Column (1)
Pg 38	Properties of Air	Line item 11.6.1; Change from “-“ to “B” Proficiency Code in 7 Level Column (1)
Pg 39	Load Calculation	Add Line Item: 11.7 Major Heading
Pg 39	Calculate Building Heat Load	Add Line Item 11.7.1; Place Proficiency Code “2b” in 7 Level Column (1)
Pg 39	Determine System Requirements	Add Line Item 11.7.2; Place Proficiency Code “2b” in 7 Level Column (1)
Pg 39	Determine Air Distribution System Requirements	Add Line Item 12.1.13; Place Proficiency Code “2b” in 7 Level Column (1)
Pg 39	Principles of DC Circuits (Components and Theories)	Add Line Item 13.2.4; Place Proficiency Code “B” in 7 Level Column (1)
Pg 39	Troubleshoot Electrical Circuits and Components	Line item 13.10.1; Change from “-“ to “2b” in 7 Level Column (1)
Pg 40	Schematics	Add Line Item: 13.13 Major Heading
Pg 40	Develop Connection Diagram	Add Line Item 13.13.1; Place Proficiency Code “2b” in 7 Level Column (1)
Pg 40	Develop Ladder Diagram	Add Line Item 13.13.2; Place Proficiency Code “2b” in 7 Level Column (1)
Pg 40	Wire System	Add Line Item 13.13.3; Place Proficiency Code “2b” in 7 Level Column (1)
Pg 48	Mobility Training	Add Line Item: 24 Major Heading
Pg 48	Deployment Planning	Add Line Item 24.1;
Pg 48	Force protection beddown planning	Add Line Items 24.1.1; Place Proficiency Code “B” in 5 Level Column (2)
Pg 48	Identifying resource requirements	Add Line Items 24.1.2; Place Proficiency Code “A” in 5 Level Column (2)
Pg 48	Personnel Accountability products	Add Line Item 24.1.3; Place Proficiency Code “B” in 5 Level Column (2)
Pg 48	UTC Posturing	Add Line Items 24.2
Pg 48	Posturing CE mobility teams	Add Line Item 24.2.1; Place Proficiency Code “B” in 5 Level Column (2)
Pg 48	Status of Readiness and Training System & Personnel Desire List	Add Line Item 24.2.2; Place Proficiency Code “B” in 5 Level Column (2)
Pg 48	Courier Requirements	Add Line Item 24.2.3; Place Proficiency Code “A” in 5 Level Column (2)
Pg 48	Equipment Deployment	Add Line Items 24.3
Pg 48	UTC specific inventory/requirements	Add Line Item 24.3.1; Place Proficiency Code “B” in 5 Level Column (2)
Pg 48	Prime BEEF pallets	Add Line Item 24.3.2; Place Proficiency

		Code "A" in 5 Level Column (2)
Pg 48	WRM concepts	Add Line Item 24.3.3; Place Proficiency Code "B" in 5 Level Column (2)
Pg 48	Unit Deployment Process	Add Line Item 24.4
Pg 48	Installation deployment orders	Add Line Item 24.4.1; Place Proficiency Code "B" in 5 Level Column (2)
Pg 48	Schedule of events	Add Line Item 24.4.2; Place Proficiency Code "B" in 5 Level Column (2)

4. After necessary action, file this sheet in the back of the CFETP.

**BY ORDER OF THE SECRETARY OF THE AIR FORCE**

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