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**AFSC 4R0X1/A/B/C  
DIAGNOSTIC IMAGING SPECIALTY  
CAREER FIELD EDUCATION AND TRAINING PLAN**

**Summary:** These changes apply to the electronically published 4R0X1 CFETP, dated 14 May 2014, and is effective immediately.

1. Please make pen & ink changes to training status codes on page 40, line items 22.11.3.1 – 22.11.3.6 and page 43, line items 22.15.3 – 22.15.5. Insert page 44A to add new training line items 22.20.5 – 22.20.7.1., Applied Technical Mathematics, Applied Nuclear Physics, and Applied Technical Chemistry.
2. Page Insert: 3
3. After necessary action, file this sheet in the back of the CFETP.

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

OFFICIAL

THOMAS W. TRAVIS  
Lieutenant General, USAF, MC, CFS  
Surgeon General

1. Tasks, Knowledge and Technical References	2. Core /Wartime Tasks	3. Certification for OJT					4. Proficiency Codes Used To Indicate Training/Information Provided			
STS 4R0X1A		A	B	C	D	E	A 3- Skill Level		B 5-Skill Level	C 7- Skill Level
		Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Task Certifier Initials	Phase I	Phase II	CDC	OJT
22.11.3 Radiopharmacy procedures TR: Fundamentals of Nuclear Pharmacy										
22.11.3.1 Apply radiopharmaceutical safety techniques	*						2b	3c	-	-
22.11.3.2 Radionuclide generator										
22.11.3.2.1 Operate radionuclide generator	*						2b	3c	-	-
22.11.3.2.2 Shield radionuclide generator	*						2b	3c	-	-
22.11.3.2.3 Apply elution technique	*						2b	3c	-	-
22.11.3.2.4 Extract radiation from wet-dry column							2b	3c		
22.11.3.2.5 Conduct molybdenum assay	*						2b	3c	-	-
22.11.3.2.6 Conduct aluminum ion testing	*						2b	3c	-	-

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		Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Task Certifier Initials	Phase I	Phase II	CDC	OJT
22.15.3 Monitor vital signs	*						b	2b	-	-
22.15.4 Demonstrate lifting techniques	*						b	2b	-	-
22.15.5 Perform venipuncture	*						2b	3b	-	-

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<b>22.20.5 Applied Technical Mathematics</b>										
22.20.5.1	Solve algebraic equations						2b	3b	-	-
22.20.5.2	Solve mathematical problems using radicals/exponents						2b	3b	-	-
22.20.5.3	Solve mathematical problems using logarithms						2b	3b	-	-
22.20.5.4	Construct a linear and exponential graph to determine the physical half-life of a radionuclide						2b	3b	-	-
22.20.5.5	Utilize decay formula						2b	3b	-	-
22.20.5.6	Calculate/Process statistical data from imaging procedures						2b	3b	-	-
<b>22.20.6 Applied Nuclear Physics</b>										
22.20.6.1	Solve mass-energy conversions						2b	3b	-	-
22.20.6.2	Utilize decay formula						2b	3b	-	-
22.20.6.3	Solve for the decay scheme for any radionuclide to stability						2b	3b	-	-
22.20.6.4	Calculate the energy values for given particulate and electromagnetic radiation						2b	3b	-	-
<b>22.20.7 Applied Technical Chemistry</b>										
22.20.7.1	Solve conversions among basic systems of measurement						2b	3b	-	-
22.20.7.2	Configure the electron configuration of elements reflecting the change in valence states						2b	3b	-	-
22.20.7.3	Solve conversions among molecules, atoms, or grams of a substance						2b	3b	-	-
22.20.7.4	Formulate inorganic compounds and their chemical formulas						2b	3b	-	-