

**STANDARDIZED RANKING FACTORS FOR  
ENGINEERING TECHNICIAN, GS-802-5/7/9  
#AF-SRG-001**

**FACTOR 1. TRAINING/EDUCATION**

a. Prerequisite training.

(1) Basic prerequisite training The following courses are basic prerequisite training requirements. Credit will be awarded only if the applicant has completed all of these courses or their equivalents:

Course 47002	Mathematics for FAA Technical Personnel
Course 47003	Electronics for FAA Technical Personnel
Course 40150	AC/DC and Transient Fundamentals
Course 40151	Digital Electronics
Course 40152	Antennas and Transmission Lines
Course 40153	Solid State Electronics

Note: Course 44504, Electronics Fundamentals and Engineering Mathematics, is the equivalent of Courses 47002 and 47003; Course 40509, Common Principles for Electronics Technicians, is the equivalent of Courses 40150 thru 40153.

Award yourself 10 points for successful completion of all courses or their equivalent  
(10 points)\_\_\_\_\_

(2) Career specialty prerequisite training The following are several concepts courses which are prerequisites for further equipment/systems training:

Course 47600	Electrical Principles
Course 40406	Computer Hardware Fundamentals
Course 44415	Microprocessors

Award yourself 5 points for the successful completion of each concepts course listed above.  
(Max 10 points)\_\_\_\_\_

Subtotal (Max 20 points)\_\_\_\_\_

b. Technical knowledge Points will be awarded for the successful completion of facility equipment theory of operations requirements as evidenced by successful completion of either FAA Academy/CBI training or the appropriate examination as identified in the latest edition of Airway Facilities Maintenance Personnel Certification Program Handbook, Order 3400.3. Six points are awarded for each equipment type for which training or certification requirements are met.

**Example:** If the applicant has successfully completed the FAA CBI training on MALSR, and has successfully completed FAA Academy training on Air Conditioning, they would be awarded 6 points credit for each, or 12 points.

List the types of equipment/systems for which you have met training or certification requirements by successful completion of training or examination:

EQUIPMENT	COURSE OR EXAM #
_____	_____
_____	_____
_____	_____

Award yourself 6 points for each type of equipment listed above.

Subtotal (Max 18 points)\_\_\_\_\_

c. Correspondence Study Credit will be awarded for FAA technical correspondence study courses or equivalent validation exams successfully completed. List courses claimed below.

COURSE/EXAM NUMBERS	LENGTH IN HOURS
_____	_____
_____	_____
_____	_____
_____	_____

	<u>Number of Courses</u>	<u>Total</u>
Less than 99 hours in length = 1 point	x _____	= _____
100 to 199 hours in length = 2 points	x _____	= _____
200 hours and longer in length= 3 points	x _____	= _____

Subtotal (Max 6 points)\_\_\_\_\_

d. Training Grades-FAA Academy/CBI Courses Points are awarded as follows for average grades of the five most recent FAA Academy/CBI courses of 20 hours or more in length (average of less than five courses may be used if employee has completed less than five courses). Round off average to the nearest whole number. List courses claimed below:

COURSE NUMBER	GRADE	Range of Average	Point Value
_____	_____	90 - 100	3
_____	_____	80 - 89	2
_____	_____	70 - 79	1
_____	_____	Less than 70	0
_____	_____		

Average Grade of Courses: \_\_\_\_\_

Subtotal (Max 3 points)\_\_\_\_\_

e. Bypass Examinations of Academy/CBI Courses Points are awarded for completion of bypasses taken in lieu of FAA Academy/CBI courses of 20 hours or more in length. List bypass exams and their equivalent in lieu of courses in the space provided.

Bypass Examinations (cont'd)

BYPASS EXAM NUMBER	IN LIEU OF COURSE NUMBER
_____	_____
_____	_____
_____	_____

Award yourself 1 point for each bypass exam successfully completed.

Subtotal (Max 3 points)\_\_\_\_\_

f. College/University Education Listing of college or technical institute courses must be submitted with bid. To receive full point credit, 25 percent of semester hours must involve engineering, physical sciences, technology, or mathematics; otherwise, one-half credit is allowed. One year of full-time undergraduate study is defined as 30 semester hours, 45 quarter hours, or the equivalent in a college or university or at least 20 hours of classroom instruction per week for approximately 36 weeks in a technical school. Assign points in only one option below:

Each 15 semester hours (1/2 years) = 1/2 point (Max 4) \_\_\_\_\_

BS degree or higher in engineering, mathematics, or related physical science = 5 points \_\_\_\_\_

Engineering status in Federal service when status was obtained through other than college degree = 4 points \_\_\_\_\_

Subtotal (Max 5 points)\_\_\_\_\_

**FACTOR 1 TOTAL (Max 50)**\_\_\_\_\_

**FACTOR 2. EXPERIENCE** Credit for environmental systems is in two categories: years of experience and facility/system certification. Base points will be established by utilizing the four fields associated with environmental support positions (air conditioning (A/C), electrical, mechanical, and visual navigational aid system (VNAS)). Bonus points will be awarded for current facility/system certification or years of experience on those facilities/systems identified in the position announcement.

a. Base Points Credit will be awarded for experience in the air conditioning, electrical, mechanical, and visual navigational aid system fields. This experience is defined as 1 year within the past 5 years. Experience in more than one field can be gained during this period of one year.

EXAMPLE

An announcement identifies the following requirements: MALSR, VASI, HVAC, PCS.

BASE POINTS  
First Year Experience

**Candidate 1** - An AFS candidate has five years experience in electrical, mechanical, A/C and VNAS fields and certified on VASI.

SPECIALTY	FIELD	FAC/SYS	DATES OF EXP.
Air Conditioning		<u>HVAC</u>	<u>08/90 to present</u>
Electrical		<u>GEN. (EXP)</u>	<u>08/90 to present</u>
Mechanical		<u>GEN. (EXP)</u>	<u>08/90 to present</u>
VNAS		<u>VASI</u>	<u>08/90 to present</u>
			Subtotal (Max 20) <u>20</u>

**Candidate 2** -An AFS candidate has five years experience in A/C, Electrical, Mechanical fields, and one year experience installing MALSR systems.

SPECIALTY FIELDS	FAC/SYS	DATES OF EXP.
Air Conditioning	<u>HVAC</u>	<u>01/89 to present</u>
Electrical	<u>GEN. (EXP)</u>	<u>01/89 to 03/94</u>
Mechanical	<u>GEN.(EXP)</u>	<u>01/89 to 03/94</u>
VNAS	_____	_____
		Subtotal (Max 20) <u>18</u>

List one facility/system on which you have at least one year of experience within the last five years for each specialty area identified in the vacancy announcement. If your experience within each specialty field is general, put general in the facility/system column.

SPECIALTY FIELDS	FAC/SYS	DATES OF EXP.
Air Conditioning	_____	_____
Electrical	_____	_____
Mechanical	_____	_____
VNAS	_____	_____

Award yourself 6 points for each specialty field identified above.

Subtotal (Max 20) \_\_\_\_\_

b. Bonus Points(1) Bonus points shall be awarded for current facilities/systems certification or one year of experience on those facilities/systems identified on the position announcement.

**EXAMPLE**

An announcement identifies the following requirements: MALSR, VASI, HVAC, PCS.

An employee has five years experience in electrical, mechanical, A/C, and VNAS fields-certified on VASI.

FACILITY/SYSTEM	CERT. DATE	DATES OF CREDITABLE EXP.
VASI	10/93 to present	
HVAC		08/93 to present

5 points awarded for current facility/system certification/one full year of experience listed.

Subtotal (Max.20) 10

List the facilities/systems identified in the announcement for which you have current certification or one year or more of experience.

FAC/SYS	CERT. DATE	DATES OF CREDITABLE EXP.

5 points awarded for current facility/system certification or one full year of experience listed.

Subtotal (Max 20) \_\_\_\_\_

**FACTOR 2 TOTAL (Max 40 points) \_\_\_\_\_**

**FACTOR 3. PERFORMANCE AND AWARDS**

Credit will be given for performance ratings and awards earned while in the FAA

		<u>Per Award</u>
(1) Outstanding performance rating	5 Points	_____
(2) Quality Step Increase (QSI)	5 Points	_____
(3) Exceptional performance rating	4 Points	_____
(4) Superior Achievement Award (SAA)	4 Points	_____
(5) Individual Suggestion/On-the-Spot/Time Off Award	3 Points	_____
(6) Group Special Achievement Award	2 Points	_____
(7) Group Suggestion or Official Commendation	1 Point	_____

**FACTOR 3 TOTAL (Max 10 points) \_\_\_\_\_**

**STANDARDIZED RANKING FACTOR TOTALS FOR  
ENGINEERING TECHNICIAN, GS-802-5/7/9**

**APPLICANT INFORMATION**

NAME : \_\_\_\_\_ SS#: \_\_\_\_\_

**VACANCY ANNOUNCEMENT INFORMATION**

MPP#: \_\_\_\_\_

POSITION TITLE & GRADE: \_\_\_\_\_

**VALIDATION DATA**

Points Claimed

Factor 1 \_\_\_\_\_ (Max - 35)

Factor 2 \_\_\_\_\_ (Max - 50)

Factor 3 \_\_\_\_\_ (Max - 15)

**Total \_\_\_\_\_ (Max - 100)**

I certify, to the best of my knowledge, that the information provided in this document is true and accurate, and understand that a false statement may be grounds for not being hired, or for being fired after beginning work..

\_\_\_\_\_  
Applicant's Signature

\_\_\_\_\_  
Date

**PANEL MEMBERS (if necessary):**

NAME	SIGNATURE	DATE
_____ HRMD Specialist	_____	_____
_____ Airway Facilities SME	_____	_____
_____ Airway Facilities SME	_____	_____