

**STANDARDIZED RANKING FACTORS FOR
ELECTRONICS TECHNICIAN, GS-856-5/7/9
#AF-SRG-003**

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 through 40153.

Award yourself 10 points for successful completion of all courses or their equivalents.

(10 points)_____

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

Course 47502	Communications Equipment
Course 40276	Common Principles for VOR/TACAN Tech.
Course 40233	ILS Concepts
Course 40392	Common Principles for Radar Tech.

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 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 performance examination on RTR, and has successfully completed CBI training and FAA Academy lab on Mark 1F ILS, 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

The career specialties are Automation, Communications, Nav aids, and Radar. It is possible to have three different career specialties identified in the position announcement; e.g., VOR (Nav aids), RCAG (Communications), and RMLR (Radar). Credit for experience may be awarded in one of two categories - ELECTRONICS CERTIFICATION which is a measure of experience for AFS PERSONNEL or SUBSTITUTE FOR CERTIFICATION which covers INSTALLATION TECHNICIANS, ENGINEERS, ACADEMY INSTRUCTORS, ETC.

a. Base Points

(1) Electronics Certification Base points shall be awarded for prior or current certification of any facility/system in the same career field as those systems identified in the announcement; i.e., Radar, Communication, Visual Nav aids, Automation, and Nav aids.

(2) Substitute for Certification In cases where candidates are in positions not requiring certification credentials; e.g., installation technicians, engineers, and Academy instructors, credit shall be awarded for candidates with at least 1 year of FAA experience within the past 5 years in direct installation, engineering, or instructor on any facility/system in the identified career specialties.

EXAMPLE

An announcement identifies the following facilities/systems: Radar - ARSR, Radar - ATCRB, Automation - CD, Communications - RCAG.

BASE POINTS

First Certification or First Year Experience

Candidate 1 - An AFS candidate has the following certifications: ATCRB, ARTS, and ARSR; and 3 years, 10 months of experience on the following systems: ATCT.

CAREER SPECIALTY	SYSTEM	CERT. DATE	DATES OF EXP.
Radar	<u>ATCRB</u>	<u>07/74 to 09/79</u>	<u> </u>
Automation	<u>ARTS</u>	<u>01/95 to present</u>	<u> </u>
Communications	<u>ATCT</u>	<u> </u>	<u>08/91 to present</u>
Navaid	<u> </u>	<u> </u>	<u> </u>
Visual Nav aids	<u> </u>	<u> </u>	<u> </u>
Subtotal (Max 24)			<u>24</u>

Candidate 2 - An F&E candidate has the following experience. 1 year Communications, 2 years Radar (includes ARSR), and 1 year Automation

CAREER SPECIALTY	SYSTEM	CERT. DATE	DATES OF EXP.
Radar	<u>ARSR</u>	<u> </u>	<u>05/93 - 05/95</u>
Automation	<u>CD</u>	<u> </u>	<u>01/94 - 05/95</u>
Communications	<u>ATCT</u>	<u> </u>	<u>04/94 - 05/95</u>
Navaid	<u> </u>	<u> </u>	<u> </u>
Visual Nav aids	<u> </u>	<u> </u>	<u> </u>
Subtotal (Max 24)			<u>24</u>

List the facilities/systems on which you are certified or have at least one year of experience for each career specialty identified in the vacancy announcement.

CAREER SPECIALTY	SYS/FAC	CERT. DATE	DATES OF EXP.
Radar	<u> </u>	<u> </u>	<u> </u>
Automation	<u> </u>	<u> </u>	<u> </u>
Communications	<u> </u>	<u> </u>	<u> </u>
Navaid	<u> </u>	<u> </u>	<u> </u>
Visual Nav aids	<u> </u>	<u> </u>	<u> </u>

Award yourself points according to the number of facilities/systems you've listed above and the number of career specialties identified in the announcement.

1 career specialty = 24 points per system listed
2 career specialties = 12 points per system listed
3 career specialties = 8 points per system listed

Subtotal Max 24 points)

b. Bonus Points

(1) Electronics Certification Bonus points shall be awarded for certification on the ~~same~~ facilities/systems identified in the position announcement. You may not list facilities/systems for which you have claimed certification base points.

(2) Substitute for Certification Bonus points shall be awarded for additional years of experience in facilities/systems identified in the position announcement. You may list facilities/systems for which you have claimed substitute for certification base points; however, experience must be beyond the first full year.

EXAMPLE

An announcement identifies the following systems: Radar - ARSR, Radar - ATCRB, Automation - CD, Communications - RCAG.

BONUS POINTS

Identified Certifications/Additional Years of Experience

Candidate 1 - An AFS candidate has the following certification: ATCRB, ARTS, and ARSR; and 3 years, 10 months of experience on the following system: ATCT.

SYSTEM	CERT. DATE	DATES OF CREDITABLE EXP.
<u>ATCRB</u>	<u>10/94 to present</u>	<u></u>
<u>ATCT</u>	<u></u>	<u>08/92 to present</u>
<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>

5 points awarded for each certification/each full year of experience listed:

Subtotal (Max 20) 15

Candidate 2 - An F&E candidate has the following experience. 1 year Communications, 2 years Radar (includes ARSR), and 1 year Automation

SYSTEM	CERT. DATE	DATES OF CREDITABLE EXP.
<u>ARSR</u>	<u></u>	<u>05/94 - 05/95</u>
<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>

5 points awarded for each certification/full year of experience listed.

Subtotal (Max 20) 5

List the facilities/systems identified in the announcement for which you have certification *(not already claimed for base points)* or more than one year of experience.

SYS/FAC	CERT. DATE	DATES OF CREDITABLE EXP.
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Award yourself 5 points for each certification/full year of experience listed above:

Subtotal (Max 20)_____

c. Experience in Non-related Career Specialty

Credit will be awarded for a minimum of 2 years experience in any career specialties not identified in the position announcement. List your creditable experience below.

CAREER SPECIALTY	DATES OF EXPERIENCE
_____	_____
_____	_____

Award yourself 3 points for every full 2 years of experience listed above.

Subtotal (Max 6)_____

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.

Per Award

(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
ELECTRONICS TECHNICIAN, GS-856-5/7/9**

APPLICANT INFORMATION

NAME : _____ SS#: _____

VACANCY ANNOUNCEMENT INFORMATION

MPP#: _____

POSITION TITLE & GRADE: _____

VALIDATION DATA

Points Claimed

Factor 1 _____ (Max - 50)

Factor 2 _____ (Max - 40)

Factor 3 _____ (Max - 10)

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