STANDARDIZED RANKING FACTORS FOR
AIRWAY TRANSPORTATION SYSTEMS SPECIALIST, GS-2101-5/7/9
#AF-SRG-005

There are seven service areas associated with the GS-2101 series:

Communications
Automation
Environmental
Surveillance
Navigation
Weather
Aeronautical Spectrum

The position announcement shall identify the service areas in which knowledge is required. It shall also identify the specific systems for which certification/experience is required. The service areas will be consistent with areas and related systems as shown in the addendum at the end of these ranking factors. It shall also identify the specific systems for which certification/experience is required.

FACTOR 1. TRAINING/EDUCATION

a. Prerequisite training.

(1) Basic prerequisite training. The following courses are basic prerequisite training requirements. Credit will be given 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.

Successful completion of all courses (10 points)_____

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

Course 40233	ILS Concepts
Course 40276	Common Principles for VOR/TACAN Tech.
Course 40392	Common Principles for Radar Tech.
Course 40406	Computer Hardware Fundamentals
Course 44415	Microprocessors
Course 47502	Communications Equipment
Course 47600	Electrical Principles

5 points credit will be given for the successful completion of each concepts course, with a maximum score of 10 points.

5 points for each concepts course (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 given 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 given 6 points credit for each, or 12 points.

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 given 6 points credit for each, or 12 points.

6 points for each equipment theory requirement met.

	COURSE COMPLETED	**POINTS**
Number of facility equipment theory of operations requirements met:	_____	_____
	_____	_____
	_____	_____

Subtotal (Max 18 points)_____

c. Correspondence Study. Credit will be given for FAA technical correspondence study courses or equivalent validation exams successfully completed as follows:

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

		Number of Courses		Total
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 120 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: _____ Points Claimed:_____

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 120 hours or more in length. Points are awarded as follows:

1 point for each bypass exam successfully completed.

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

Total bypass exams successfully completed_____

Subtotal (Max 2 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.

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 points)_____

FACTOR 2. EXPERIENCE.

a. Technical Experience.

(1) FAA experience in maintenance or installation on systems identified in the position announcement will be awarded points as follows. A minimum of 1 year experience is awarded full credit. One-half credit is awarded for at least 6 months but less than 1 year experience. Point values are based on the number of systems identified in the position announcement.

Example: If the announcement identifies two systems, and the applicant has 1 year experience in maintaining one of those systems, the applicant will be awarded 10 points.

SYSTEMS	NUMBER OF YEARS	# of Systems Identified in Announcement	
_____	_____	1 system	= 20 points per system
_____	_____	2 systems	= 10 points per system
_____	_____	3 systems	= 7 points per system
_____	_____	4 systems	= 5 points per system

(Max 20 points) _____

(2) Services/systems certification or experience. Four points credit will be awarded for possessing certification, or 1 year of experience within the last 5 years, in any of the seven service areas, up to a maximum of 20 points. Credit may be awarded only once in each service area. Experience in more than one service area can be gained during the 1 year period.

SERVICE AREA	SVC./SYS.	CERT. DATE	DATES OF EXP.
Communications	_____	_____	_____
Automation	_____	_____	_____
Surveillance	_____	_____	_____
Environmental	_____	_____	_____
Navigation	_____	_____	_____
Weather	_____	_____	_____
Aeronautical Spectrum	_____	_____	_____

(Max 20 points) _____

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) _____

GS-2101 ATSS SERVICE AREAS/SYSTEMS

SERVICE AREA	SYSTEM ACRONYM	SYSTEM NAME
AUTOMATION		
AUTO	ACCC	AREA CONTROL COMPUTER COMPLEX
AUTO	ADAS	AUTOMATED DATA ACQUITION SYSTEM
AUTO	AFSS	AUTOMATED FLIGHT SERVICE STATION (MODEL 1FC)
AUTO	ARTS	AUTOMATED RADAR TERMINAL SYSTEM
AUTO	ARTSA	AUTOMATED RADAR TERMINAL SYSTEM ASSY
AUTO	ATCC	AIR TRAFFIC CONTROL COMPUTER
AUTO	CCCH	CENTRAL COMPUTER COMPLEX HOST
AUTO	CD	COMMON DIGITIZER
AUTO	CDC	COMPUTER DISPLAY CHANNEL
AUTO	CNS	CONSOLIDATED NOTAM SYSTEM
AUTO	DARC	DIRECT ACCESS RADAR CHANNEL
AUTO	DCC	DISPLAY CHANNEL COMPLEX
AUTO	DOTS	DYNAMIC OCEAN TRACKING SYSTEM
AUTO	DRG	DATA RECEIVER GROUP
AUTO	DTE	DATA TERMINAL EQUIPMENT
AUTO	VSDATA	VISION SYSTEM
AUTO	EARTS	ENROUTE AUTOMATED RADAR TRACKING SYSTEM
AUTO	FDIO	FLIGHT DATA INPUT-OUTPUT SYSTEM
AUTO	FDRS	FLIGHT DATA REMOTING SYSTEM
AUTO	FSDPS	FLIGHT SERVICE DATA PROCESSING SYSTEM
AUTO	ISSS	INITIAL SECTOR SUITE SYSTEM
AUTO	MCC	MAINTENANCE CONTROL CENTER
AUTO	MPS	MAINTENANCE PROCESSOR SYSTEM
AUTO	NADIN	NATIONAL AIRSPACE DATA INTERCHANGE NETWORK
AUTO	OARTS	OCEANIC AIR ROUTE TRACKING SYSTEM
AUTO	ODAPS	OCEANIC DISPLAY AND PLANNING SYSTEM
AUTO	OFDPS	OFFSHORE FLIGHT DATA PROCESSING SYSTEM
AUTO	RBDPE	RADAR BEACON DATA PROCESSOR EQUIPMENT
AUTO	RMCC	REMOTE MONITOR CONTROL CENTER

SERVICE AREA	SYSTEM ACRONYM	SYSTEM NAME
AUTOMATION (Continued)		
AUTO	RMCF	REMOTE MONITOR CONTROL FACILITY 2ND GEN
AUTO	RTCCS	REMOTE TOWER COMMUNICATIONS CONTROL SYSTEM
AUTO	SCIP	SURVEILANCE & COMMUNICATIONS INTERFACE PROCESSOR
AUTO	SRAP	SENSOR RECEIVER AND PROCESSOR
AUTO	TCCC	TOWER CONTROL COMPUTER COMPLEX
AUTO	TCDD	TERMINAL CONTROL DIGITAL DISPLAY
AUTO	TMCC	TRAFFIC MANAGEMENT COMPUTER COMPLEX
COMMUNICATIONS		
COMM	AFTN	AERONAUTICAL FIXED TELECOMMUNICATIONS NETWORK
COMM	ARTCC	AIR ROUTE TRAFFIC CONTROL COMMUNICATIONS EQUIPMENT
COMM	ATCT	AIR TRAFFIC CONTROL TOWER COMMUNICATIONS EQUIPMENT
COMM	BUEC	BACK-UP EMERGENCY COMMUNICATIONS SYSTEM
COMM	CML	COMMUNICATIONS MICROWAVE LINK
COMM	DMUX	DATA MULTIPLEXER
COMM	FOTS	FIBER OPTICS TRANSMISSION SYSTEM
COMM	FSS	COMMUNICATIONS EQUIPMENT AT A STANDARD FLT SVC STA
COMM	GATR	GROUND AIR TRANSMITTER/RECEIVER
COMM	ICSS	INTEGRATED COMMUNICATIONS SWITCHING SYSTEM
COMM	IFST	IFSS TRANSMITTER FACILITY
COMM	LCOT	LINK COMMUNICATIONS EQUIPMENT TERMINAL
COMM	LNKR	UHF/VHF LINK REPEATER
COMM	MCR	MULTI-CHANNEL RECORDER
COMM	MDS	MASTER DEMARCATION SYSTEM
COMM	NRCS	NATIONAL RADIO COMMUNICATIONS SYSTEM
COMM	RCAG	REMOTE AIR/GROUND COMMUNICATIONS EQUIPMENT
COMM	RCL	RADIO COMMUNICATIONS LINK

SERVICE AREA	SYSTEM ACRONYM	SYSTEM NAME
COMMUNICATIONS (Continued)		
COMM	RCO	REMOTE COMMUNICATIONS OUTLET
COMM	RML	RADAR MICROWAVE LINK
COMM	RTR	REMOTE TRANSMIT/RECEIVE FACILITY
COMM	SACOM	SATELLITE COMMUNICATION NETWORK
COMM	TCS	TOWER COMMUNICATION SYSTEM
COMM	TDDS	TERMINAL DATA DISPLAY SYSTEM
COMM	TDS	TELECOMMUNICATIONS DEMARCATION SYSTEM
COMM	TELMS	TELECOMMUNICATIONS MANAGEMENT SYSTEM
COMM	TRACO	TERMINAL RADAR APPROACH CONTROL COMM EQUIPMENT
COMM	TROPO	TROPOSPHERIC SCATTER STATION
COMM	VSCS	VOICE SWITCHING AND CONTROL SYSTEMS

ENVIRONMENTAL

ENV	ALS	APPROACH LIGHT SYSTEM
ENV	ALSF	APPROACH LIGHT SYSTEM WITH FLASHERS
ENV	CCMS	CENTRAL CONTROL MONITORING SYSTEM
ENV	ELD	ELECTRICAL DISTRIBUTION SYSTEM
ENV	LDIN	LEAD-IN LIGHTS
ENV	MALS	MEDIUM INTENSITY APPROACH LIGHT SYSTEM
ENV	MALSR	MEDIUM INTENSITY APPROACH LIGHT SYSTEM W/RAIL
ENV	ODALS	OMNIDIRECTIONAL AIRPORT LIGHT SYSTEM
ENV	PAPI	PRECISION APPROACH PATH INDICATOR
ENV	PCS	POWER CONDITIONING SYSTEM 80 KW AND ABOVE (CONT)
ENV	REIL	RUNWAY END IDENTIFIER LIGHTS
ENV	SALS	SIMPLIFIED AIRPORT LIGHTING SYSTEM
ENV	SSALR	SIMPLIFIED SHORT APPRAOCH LIGHT SYSTEM WITH RAIL
ENV	SSALS	SIMPLIFIED SHORT APPROACH LIGHT SYSTEM
ENV	VASI	VISUAL APPROACH SLOPE INDICATOR
ENV	VTROL	ENVIRONMENTAL CONTROL

SERVICE AREA	**SYSTEM ACRONYM**	**SYSTEM NAME**

NAVIATION

NAV	DF	DIRECTION FINDING EQUIPMENT
NAV	DME	DISTANCE MEASURING EQUIPMENT
NAV	DMER	DISTANCE MEASURING EQUIPMENT (TACAN 2ND GEN)
NAV	FM	FAN MARKER
NAV	GPS	GLOBAL POSITIONING SATELLITE SYSTEM
NAV	H	RADIO BEACON
NAV	HH	RADIO BEACON
NAV	ILS	INSTRUMENT LANDING SYSTEM
NAV	LMM	COMPASS LOCATOR AT MIDDLE MARKER
NAV	LOM	COMPASS LOCATOR AT OUTER MARKER
NAV	LRNC	MLONG RANGE NAVIGATION C MONITOR
NAV	MLS	MICROWAVE LANDING SYSTEM
NAV	NDB	NON-DIRECTIONAL BEACON
NAV	TACAN	TACTICAL AIR NAVIGATION
NAV	TACR	TACTICAL AIR NAVIGATION/VOR
NAV	VOR	VHF OMNI-RANGE
NAV	VOT	VHF OMNI-RANGE TEST FACILITY
NAV	WAAS	WIDE AREA AUGMENTATION SYSTEM

SURVEILLANCE

SURV	ARSR	AIR ROUTE SURVEILANCE RADAR
SURV	ASDE	AIRPORT SURFACE DETECTION EQUIPMENT
SURV	ASR	AIRPORT SURVEILANCE RADAR
SURV	ATCBI	AIR TRAFFIC CONTROL BEACON INTERROGATOR
SURV	ATCRB	AIR TRAFFIC CONTROL RADAR BEACON
SURV	BRITE	BRITE RADAR INDICATOR TERMINAL EQUIPMENT
SURV	GFR	GAP FILLER RADAR
SURV	IFF	GPA-124
SURV	MHFR	MILITARY HEIGHT FINDER RADAR
SURV	MODE S	MODE S DATA LINK
SURV	PAR	PRECISION APPROACH RADAR
SURV	RBDE	RADAR BRITE DISPLAY EQUIPMENT

SERVICE AREA	**SYSTEM ACRONYM**	**SYSTEM NAME**

WEATHER

WX	ADAS	AWOS DATA ACQUISITION SYSTEM
WX	AMSMA	AVIATION METEOROLOGICAL SYSTEMS AND MISC AIDS
WX	ASI	ALTIMETER SETTING INDICATOR
WX	ASOS	AUTOMATED SURFACE OBSERVING SYSTEM
WX	ATIS	AUTOMATIC TERMINAL INFORMATION SYSTEM
WX	AWANS	AVIATION WEATHER AND NOTAM SYSTEM
WX	AWIS	AUTOMATED WEATHER INFORMATION SYSTEM
WX	AWOS	AUTOMATIC WEATHER OBSERVATION SYSTEM
WX	AWP	AVIATION WEATHER PROCESSOR
WX	CHI	CLOUD HEIGHT INDICATOR
WX	CWP	CENTRAL WEATHER PROCESSOR
WX	GOES	GEOSTATIONAL OPERATIONAL ENVIRONMENTAL SATELLITE S
WX	GWDS	GRAPHIC WEATHER DISPLAY SYSTEM
WX	IVRS	INTERIM VOICE RESPONSE SYSTEM
WX	LLWAS	LOW LEVEL WIND SHEAR ALERT SYSTEM
WX	MAPS	METEOROLOGICALAND AERONAUTICAL PRESENTATION SYS
WX	NXRAD	NEXT GENERATION WEATHER RADAR SYSTEM
WX	OAW	OFF AIRWAY WEATHER STATION
WX	RBC	ROTATING BEAM CEILOMETER
WX	RRH	REMOTE READOUT HYDROTHERMOMETERS
WX	RRWDI	RADAR REMOTE WEATHER DISPLAY INDICATOR
WX	RRWDS	RADAR REMOTE WEATHER DISPLAY SYSTEM
WX	RVR	RUNWAY VISUAL RANGE
WX	TDWR	TERMINAL DOPPLER WEATHER RADAR
WX	TWEB	TRANSCRIBED WEATHER BROADCAST SYSTEM

AERONAUTICAL SPECTRUM

This service area does not have any specific systems associated with it. It is intended to capture experience in frequency-management-type activities, such as spectrum engineering and radio frequency interference investigation and resolution. Experience may be at the national, regional or sector/SMO staff level.

STANDARDIZED RANKING FACTOR TOTALS FOR
AIRWAY TRANSPORTATION SYSTEMS SPECIALIST, GS-2101-5/7/9

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		