

ORDER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

GL AF 3330.3A

GREAT LAKES REGION

6/5/92

TRAINING AND/OR WORK ASSIGNMENT REQUIREMENTS FOR PROMOTION OF DEVELOPMENTAL
SUBJ: AIRWAY FACILITIES TECHNICAL PERSONNEL

1. PURPOSE. This order outlines the training and/or work assignments for developmental employees in the Electronics Technician, GS-0856; Engineering Technician, GS-0802; Maintenance Mechanic, WG-4749; Utility Systems Repair Operator, WG-4742; and Electrical/Electronic Engineering, GS-850/855 series to meet the minimum requirements for promotion to the next higher grade level.

2. DISTRIBUTION. This order is distributed to the branch level and above in the Human Resource Management Division, to section supervisors and above in the Airway Facilities Division, and to all Airway Facilities field offices in the Great Lakes Region at the standard level.

3. CANCELLATION.

a. Order GL AF 3330.3, Training and Work Assignment Requirements For Promotion of Developmental Airway Facilities Technical Personnel, dated May 6, 1986, is canceled.

b. Action Notice GL AF 3330.14, Training Requirements For Developmental Employees, dated May 1, 1990, is canceled.

c. Order GL AF 3410.1, Developmental Program for Airway Facilities Sector Engineers, dated September 7, 1978, is canceled.

4. BACKGROUND. The developmental program in the Airway Facilities Division ensures the technical competence of employees directly responsible for the engineering, maintenance and certification of operational systems critical to the National Airspace System (NAS) and associated supportive systems and facilities. The developmental program also ensures the technical competence of Facilities and Equipment (F&E) employees directly responsible for the installation and commissioning of electronic systems. In order to achieve a maximum level of technical expertise, it is essential that minimum promotion requirements be consistent for all similar technical positions within the Great Lakes Region. This order establishes minimum training and/or certification requirements, thus ensuring the required consistency.

5. GENERAL. At all entry levels, all normal standards of conduct, attendance, and general suitability must be met; and employees shall be thoroughly briefed by their immediate supervisor as to what is an acceptable level of performance. At all entry levels, employees covered by this order shall complete the following correspondence courses; Orientation and Safety OJT, Course 43850, and Introduction to Emergency Readiness, Course 14017, within 90 days after entrance on duty. In addition, Course 44506, correspondence study on the General Maintenance Handbook for Airway Facilities shall be completed before maintenance responsibility is assigned.

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Initiated By: AGL-424

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All employee shall complete Introduction to National Airspace System (NAS), Course 47005, within their first year of employment.

6. DEFINITIONS.

a. Probationary Period. The probationary or trial period is a continuation of the original selection process. All employees selected for career-conditional appointments from Office of Personnel Management (OPM) registers, Veterans Readjustment Act (VRA), and reinstated employees who have not previously completed a probationary period, are subject to a 1 year probationary period.

b. Career Conditional Employees. Competitive service, permanent appointment of an employee who has not yet completed 3 years of creditable, substantially continuous Federal service.

c. Career Employees. Competitive service, permanent appointment of an employee who has completed 3 substantially continuous, creditable years of Federal service.

d. Developmental Employee. Any employee involved in training leading to the full performance level (FPL) and/or journey grade level.

e. Training plans. The training plans referred to throughout this order are comprised of a combination of prepared FAA Form 3400-6, Certification Authority Requirements Agreement, and FAA Form 3000-14, Airway Facilities Training Agreement.

f. Fiscal Year (FY). A period beginning October 1 of one calendar year through September 30 of the following calendar year. For example, FY 1991 would begin on October 1, 1990, and end on September 30, 1991.

7. RESPONSIBILITIES.

a. Sector/Branch Managers are responsible for:

(1) Providing notification to the Resource and Planning Branch, AGL-420, as soon as it is determined a probationary employee will not be able to complete the training/certification examination requirements of their training plan within the 1 year time frame.

(2) Establishing a process/procedure to ensure probationary employee's evaluation time frames are met in accordance with the Federal Personnel Manual (FPM), Chapter 315, Subchapter 8-2.

(3) Approving or disapproving extensions to the employees training plan if the employee, through no fault of their own, can not complete the required training as outlined on their training plan.

(4) Modifying an employee's training plan if it is determined that the changes are in the interest of the FAA and/or the trainee's progress, or are due to technological changes.

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(5) Granting waivers to the 30-day time limit for employees needing to retake either concepts or performance examinations. Reference FAA Order 3400.3E, Airway Facilities Maintenance Personnel Certification, paragraph 37. If a waiver to the 30 day time limit is granted by the sector/branch manager it shall be documented and filed in the Official Certification and Related Training File.

(6) Providing supporting documentation to the Resource and Planning Branch, AGL-420, for appropriate procedural review and coordination, when a reassignment, reduction in grade, or separation action for unsatisfactory training progress/completion is proposed.

(7) Approving or disapproving noncompetitive promotions for all employees through the normal grade progression to full journey level positions, regardless of their appointment.

(8) Submitting promotion waiver requests in memorandum form to the Resource and Planning Branch, AGL-420, with concur and non concur signature lines for AGL-420 and AGL-400. In accordance with paragraph 15 of this order, and for the term of the waiver, subsequent monthly training progress reports shall be submitted to AGL-420

(9) Forwarding a copy of all developmental employee's monthly progress reports, if the employee is performing unsatisfactorily, to the Resource and Planning Branch, AGL-420.

b. First Level Supervisors are responsible for:

(1) Completing Form 3000-14, Training Plan, for all employees and Form 3400-6, Certification Authority Requirements Agreement, for employees requiring certification.

(2) Appraising developmental probationary employee's progress each month during the course of their probationary period, for the specific purpose of determining whether they should be retained or separated for failure to demonstrate their retention, if separation would be in the best interest of the government.

(3) When a probationary employee's training progress or work habits become unsatisfactory, the employee's supervisor shall counsel the employee and a written notice of unsatisfactory performance shall be issued to the employee. The notice shall state the requirements which are not being met and indicate the corrective action required. This action is mandatory prior to proposing the removal of a probationary employee.

(4) Ensuring that training/certification examination requirements, listed on the probationary employee's training plan, are successfully completed prior to the probationary employee's first year anniversary with the FAA.

(5) Submitting a recommendation for separation, to the sector/branch manager, as soon as it is determined the probationary employee will not be able to complete the training/certification examination requirements of their training plan within the 1 year time frame.

(6) Requesting an exception to the separation requirement if, in their opinion, it is not in the best interest of the FAA to separate the employee, or circumstances beyond the employee's control caused the employee not to complete the training/performance requirements. All exception requests shall be coordinated with the Resource and Planning Branch, AGL-420, prior to the end of the employee's probationary period.

(7) The Federal Personnel Manual, Chapter 315, Subchapter 8-2, requires the supervisor of a probationary employee to certify the employee's performance, conduct, and general traits of character have been found satisfactory or have been found unsatisfactory. Each certification must contain a positive recommendation as to whether the employee should be retained beyond the probationary period. This certification must be made no earlier than the beginning of the 9th month nor later than the end of the 10th month of the probationary period.

8. TRAINING PLAN REQUIREMENTS. All employees requiring technical training in accordance with this order are required to have a completed FAA Form 3000-14, Training Plan, filed in their sector/branch Official Certification and Related Training File. Employees requiring certification authority as part of their current training plan, will also be required to have a completed FAA Form 3400-6, Certification Authority Requirements Agreement, filed in their Official Certification and Related Training File (reference FAA Order 3400-3E paragraph 28b). The employee's immediate supervisor shall complete these forms and convey them to the employee for signature at the beginning of each training plan period (usually 1 year). If the employee is new, they shall be completed no later than 30 days after the employee enters on duty with the FAA. The employee's immediate supervisor will enter in the Remarks block of FAA Form 3000-14: "I understand that if I do not satisfactorily complete the requirements of this training plan, within the time limits specified, I may be reassigned, reduced in grade, or separated from the FAA unless it is determined that failure to do so was beyond my control."

9. PROBATIONARY OR TRIAL PERIOD EMPLOYEES (FIRST YEAR). First level supervisors shall appraise their employees monthly during the course of their probationary period for the specific purpose of determining whether they should be retained, or whether they should be separated for failure to demonstrate their retention, if separation would be in the best interest of the government. This determination is based not only on specific qualification requirements of the job to which assigned, but also for general standards of public service. These include integrity, mature personality, good work habits, respect for higher authority and fellow employees, and willingness to learn and improve. If employees fail to measure up to these requirements, immediate action shall be taken to ensure they do not receive tenure by default, thus protecting career service against retention of unfit employees. A monthly written report shall be provided to the employee's sector/branch manager indicating training progress and the qualities evaluated. The format used for the monthly evaluation is at the sector/branch manager's discretion but it must indicate if an employee is progressing satisfactorily or unsatisfactorily and include the requirement for the employee's and supervisor's signatures. If an employee is unavailable to sign the evaluation, the supervisor shall note the reason in the employee's signature block. Copies of all unsatisfactory monthly progress reports shall be sent to Operations Standards Section, AGL-424, and continue during the time as the employee is being rated as unsatisfactory.

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a. The employee's first level supervisor is responsible for ensuring that all probationary employees are given a training plan which lists the training/performance requirements which must be completed prior to their first year anniversary of employment with the FAA.

b. When a probationary employee's training progress or work habits become unsatisfactory, the employee's supervisor shall counsel the employee and a written notice of unsatisfactory performance shall be issued to the employee. The notice shall state the requirements which are not being met and indicate the required corrective action.

c. The employee's supervisor shall ensure that training/certification examination requirements listed on the probationary employee's training plan will be successfully completed prior to the probationary employee's first year anniversary with the FAA.

d. The probationary employee's supervisor shall submit to the sector/branch manager, a recommendation for separation as soon as it is determined the probationary employee will not be able to complete the training/certification examination requirements of their training plan within the 1 year time frame.

e. Supervisors may request an exception, through their sector/branch managers, to the separation requirements if, in their opinion, it is not in the best interest of the FAA to separate the employee, or circumstances beyond the employee's control caused the employee not to complete the training/certification/performance requirements. Exceptions shall be coordinated with Resource and Planning Branch, AGL-420, prior to the end of the one year probationary period.

f. The Federal Personnel Manual, Chapter 315, Subchapter 8-2, requires the supervisor of a probationary employee to certify the employee's performance, conduct, and general traits of character have been found satisfactory or they have been found unsatisfactory. Each certification must contain a positive recommendation as to whether the employee should be retained beyond the probationary period. This certification must be made no earlier than the beginning of the 9th month nor later than the end of 10th month of the probationary period. Sector/branch managers shall establish a process/procedure to ensure the evaluation time frames are met. The supervisory certification statements are to be filed in the employee's personnel file maintained at sector/branch office.

10. FAILURES OF VOLUNTARY ATTEMPTS AT BYPASS/CONCEPTS EXAMINATIONS. Although, the FAA training process is structured, many times a developmental employee brings with them the required knowledge and/or skills to satisfactorily bypass the process and fulfill FAA training requirements. Developmental employees who have the requisite knowledge and/or skills to take FAA bypass/concepts examinations should be encouraged to do so.

a. Developmental employees who voluntarily attempt to accelerate their training progress through the use of bypass examinations will not have examination failures held against them.

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b. Voluntary attempts at bypass examinations are limited to one attempt.

c. A failed bypass examination, mandated by an employee's supervisor, would be considered non-voluntary and will be documented in the employee's Official Certification and Related Training record.

11. TRAINING FOR DEVELOPMENTAL CAREER CONDITIONAL AND CAREER EMPLOYEES (NON-PROBATIONARY EMPLOYEES) After the probationary period is successfully completed, developmental employees are required to complete additional training/certification examinations which lead to journey level status. Annually, these training/certification requirements shall be communicated, in writing, by the employee's immediate supervisor, to the developmental employee using one of the following methods:

a. Method 1 - A new training plan will be developed annually and communicated to the developmental employee, or

b. Method 2 - A long-term training plan (from non-probationary developmental to journey level) may be developed. The training/certification requirements for the next year will be communicated to the employee during his/her annual performance evaluation.

c. The supervisor and the employee are required to sign and date the training plan each year to indicate that the next year's training requirements have been discussed.

d. A non-probationary, developmental employee who fails a training/certification/performance requirement, resident or otherwise, leading to journey level status or certification, shall be provided a second opportunity to satisfy the failed requirement. Non-probationary developmental employees who do not satisfy a training/performance requirement on their first attempt shall be placed on a Performance Improvement Plan (PIP) (reference order 3400.3E, paragraph 37b). Non-probationary developmental employees who do not satisfy a training/certification/performance requirement on their second attempt shall be recommended for reassignment, reduction in grade or separation from the FAA. The recommendation shall be submitted to the Resource and Planning Branch, AGL-420, in accordance with paragraph 13 of this order.

e. In the case of a failed resident course, the sector/branch manager shall attempt to satisfy the training requirement through one of the following options:

(1) Bypass (concepts) Examinations. - If a bypass examination is available, it will be the first option for satisfying a failed resident training requirement. The employee will be given duty time, not to exceed one third the time of the resident course, to prepare for the bypass examination.

(2) Recycling Through the Resident Course. - If a bypass examination is not available, sectors shall coordinate with the Operations Standards Section, AGL-424, to obtain quota for recycling employees through resident courses. Please note that priority consideration for existing resident quota will be given to employees who have not yet attended the resident training and need to complete their own training.

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(3) Computer Based Instruction (CBI) Courses - These courses will not be used to satisfy a failed resident training courses. CBI shall only be used in the demonstration mode to study for a bypass/concepts examination.

f. Correspondence Study Course Failure. - If an employee fails a Correspondence Study Course final examination, the employee will be allowed one retake. The employee will be given duty time not to exceed one third the time which is allowed for the completion of the Correspondence Study Course, as listed in the FAA Course Catalog, to prepare for the retake examination. Should the employee receive a failing course grade after the retake, they can only satisfy the training requirement by taking the appropriate bypass examination. The employee will be given duty time not to exceed one third the time which is allowed for the completion of the Correspondence Study Course, as listed in the FAA Course Catalog, to prepare for the bypass examination.

g. Performance Examination Failure - In ALL cases where a performance examination is failed by a non-probationary employee, the employee shall be entered into a Performance Improvement Plan (PIP). (Reference order 3400.3E, paragraph 37b.)

h. Theory of Operation (Concepts) Examination Failure - A maximum of two retakes of concepts examinations will be permitted in a 1 year period, unless a waiver is granted by the Airway Facilities Division Manager, AGL-400 (reference Order 3400.3E, paragraph 37a).

i. Examination retakes, either concepts or performance, shall not be given to employees who have failed to pass a previous examination until either 30 days have passed and measurable training progress has been made, or a waiver to the 30-day time limit has been granted by the sector/branch manager. (reference Order 3400.3E, paragraph 37). If a waiver to the 30-day time limit is granted by the sector/branch manager, it shall be documented and filed in the employees Official Certification and Related Training File.

12. TRAINING PROGRAM FLEXIBILITY FOR ALL DEVELOPMENTAL EMPLOYEES. Extending the time required for completing a training course, as outlined in the employee's training plan, is at the discretion of the sector/branch manager. It is expected that extensions would be given if delays are incurred due to circumstances beyond the employee's control.

a. In the event resident training is not available, and at the discretion of the sector/branch manager, the employee may be required to complete the alternate bypass examination (if available) within the time frame allowed for resident training.

b. The sequence of training may be altered, at the discretion of the sector/branch manager to permit learning experiences related to work situations as they arise during the developmental period.

c. Training requirements in the employee's training plan may be added or modified by the sector/branch manager, depending on technological changes and the needs of the FAA and/or the trainee's progress. In no case shall the basic core prerequisite courses be deleted or removed from an employee's training plan.

13. DOCUMENTATION REQUIRED FOR REASSIGNMENT, REDUCTION IN GRADE, OR SEPARATION ACTIONS. When a reassignment, reduction in grade, or separation action for unsatisfactory training progress/completion is proposed, supporting documentation shall be provided by the sector/branch manager to AGL-424 for appropriate procedural review and coordination. This documentation can take many different forms but it shall indicate the employee was aware of their unacceptable training progression. The documentation shall also indicate the employee was counseled concerning the consequences of unacceptable training progress and that remedial assistance was provided.

14. PROMOTIONS. Employees in developmental positions may be non-competitively promoted through the normal grade progression to the target grade of their appointment on the recommendation of the sector/branch manager, provided each of the following is satisfied:

a. Successful completion of the training, or FAA-approved equivalency, and/or certification for each grade level as described in Appendicies 1 through 7 of this order.

b. Meets all legal, regulatory, and administrative requirements.

c. A journey level position is available and vacant.

d. Initial selection was made through competitive procedures, and the target grade was clearly stated on the Request for Personnel Action, SF-52, and Notification of Personnel Action, SF-50.

e. Employees may be promoted to developmental positions if a waiver is submitted by the sector/branch manager, to the Resource and Planning Branch, AGL-420, in accordance with paragraph 15 of this order.

15. PROMOTION WAIVERS FOR OPERATIONS PERSONNEL. Supervisors and managers are responsible for balancing on-the-job (OJT) training with technical training, consistent with each employee's grade level. It is the responsibility of supervisors and managers to provide the opportunity for employees to satisfy the minimum training requirements of this order. Waivers for promotion may be submitted by sector/branch managers if the employee, through no fault of their own, had to deviate from their training plan due to an unexpected critical need determined by management. The following procedures shall be followed to promote an employee:

a. For promotion to developmental positions, all waiver requests require a justification which includes a statement as to why alternative methods for meeting requirements, such as bypass examinations, were not successful. Also, all requests need a current Certification Authority Requirements Agreement, FAA Form 3400-6, a Training Plan, FAA Form 3000-14, prepared in accordance with Order 3000.10, and a Request for Personnel Action, SF-52. All employees must meet the minimum promotion requirements as listed in the 1972 Department of Transportation (DOT) Classification Guide.

b. In no case shall a waiver be approved for promotion to journey level positions.

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c. All waiver requests shall be submitted in memorandum form to the Resource and Planning Branch, AGL-420, with concur/non concur signature lines for AGL-420 and AGL-400. Subsequently, monthly training progress reports shall be submitted to AGL-420 for the term of the waiver. After 1 year, if the training and certification requirements are not met, the employee may be subject to reassignment, reduction in grade, or separation.

16. PROMOTION WAIVERS FOR F&E PERSONNEL. Waivers for promotion may be submitted by the branch manager if the employee, through no fault of their own, had to deviate from their training plan due to an unexpected critical need determined by management. The following procedures shall be followed by management to promote the employee:

a. For promotion to developmental and journey level positions, all waiver requests require a justification which includes a statement as to why alternative methods for meeting requirements, such as bypass examinations, were not successful. All requests need a copy of the current Training Plan, FAA Form 3000-14, prepared in accordance with Order 3000.10, and a Request for Personnel Action, SF-52. All employees must meet the minimum promotion requirements as listed in the 1963 Department of Transportation (DOT) Classification Guide.

b. All waiver requests must be submitted in memorandum form to the Resource and Planning Branch, AGL-420, with concur/non-concur signature lines for AGL-420 and AGL-400. Subsequently, monthly training progress reports shall be submitted to AGL-420 for the term of the waiver. After 1 year, if the training requirements are not met, the employee may be subject to reassignment, reduction in grade, or separation.

17. FORM SF-52 SUBMISSION REQUIREMENTS.

a. The sector/branch manager's signature in Block H of the Request for Personnel Action, SF-52, certifies the employee meets the promotion requirements described in this order.

b. For Operations employees, the following statement must be included on the SF-52 in the remarks section, Block I: "This employee meets all the qualification and training/certification requirements for promotion to the grade of (series/grade). Employee is fully trained/certified on the following systems: (list by ident, system)."

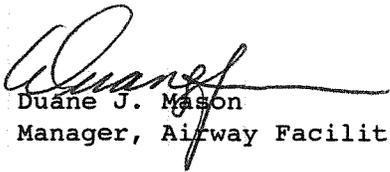
c. For F&E employees, the following statement must be included on the SF-52 in the remarks section, Block I: "This employee meets all the qualification and training requirements for promotion to the grade of (series/grade). Employee is fully trained on the following systems: (list by system type)."

d. Submit all SF-52s for promotion to the Resource and Planning Branch, AGL-420, through the Operations Standards Section, AGL-424, for all positions. If a waiver is being requested, the justification statement must be attached to the SF-52 and meet the requirements listed in paragraph 15 a, b, and c of this order.

18. MINIMUM REQUIREMENTS. Minimum requirements for the specific series and grades are located in the following Appendices:

- Appendix 1 GS-0856-5/7/9/11/12 (Operations Positions)
- Appendix 2 GS-0802-9/10/11/12
- Appendix 3 WG-4749-8/10/11 and WG-4742-5
- Appendix 4 GS-850/855-5/7/9/11/12 (Operations Positions)
- Appendix 5 GS-850/855-5/7/9/11 (F&E Positions)
- Appendix 6 GS-0856-5/7/9/11 (F&E Positions)
- Appendix 7 System Complexity Level Guidance

19. SYSTEM COMPLEXITY. Appendix 7 is the System Complexity Level Guidance. This guidance is used to identify the level of complexity of equipment/systems/facilities to determine if an employee can be promoted in accordance with this order.



Duane J. Mason
 Manager, Airway Facilities Division, AGL-400

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Appendix 1

**APPENDIX 1. ELECTRONICS TECHNICIAN, GS-0856,
REQUIREMENTS (OPERATIONS POSITIONS)**

1. Electronics Technician, GS-0856. To qualify for promotion to the following grades, the candidate must have completed the necessary training and/or certification to possess the indicated work assignments in addition to meeting the criteria outlined in the Office of Personnel (OPM) Qualification Standards and FAA Order 3330.1, Merit Promotion Program.
2. Developmental Electronics Technician, GS-0856-5. These positions are considered entry level training/familiarization positions, and the employee should devote all duty time to training and familiarization.
3. For promotion to GS-0856-7 (developmental), a candidate must have completed:
 - a. At least 1 year of experience at the next lower grade level. Veterans Readjustment Act (VRA) re-appointments to the GS-9 grade may be considered if all requirements set forth in paragraph 3 of this Appendix are met and appropriate VRA rules are followed.
 - b. PREFERRED METHOD - Course 47002, (CBI) Mathematics for FAA Technical Personnel and Course 47003, (CBI) Electronics for FAA Technical Personnel. ALTERNATE METHOD - Course 44502, Foundation Mathematics; Course 44504, Electronic Fundamentals and Engineering Mathematics; Course 44417, Semi Conductor Devices; and Course 44416, Digital Techniques. The method of training shall be determined by the sector/branch manager (reference paragraph 11 of this order). In addition, the following courses must be successfully completed:
 - c. Course 44012, Data Communications
 - d. Course 44419, Computer Software
 - e. Course 44511, Electronic Test Equipment
 - f. Course 40509, Common Principles Basic
 - g. Course, 40406, Computer Hardware
 - h. All the training/certification requirements to possess a regular work assignment which includes circuits or units of a larger complex work assignment, or a communications system comprising one to eight units of control per Order GL AF 1380.20A, Units of Control.
4. For promotion to GS-0856-9 (developmental), a candidate must have completed:
 - a. At least 1 year of experience at the next lower grade level
 - b. All courses listed in paragraph 3 of Appendix 1

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Appendix 1

c. One of the following concept courses: Course 40233, ILS Concepts; Course 40276, VOR/TACAN Common Principles; Course 40392, Radar Common Principles; or Course, 47502 Communication Equipment Theory; or Automation Path requirements

d. Course 47001, Troubleshooting Techniques

e. All the training/certification requirements to possess a regular work assignment that includes one system from the Category I list or a subsystem from a Category II list. Communications systems in Category I would consist of those having 9-16 units of control, identified in the Department of Transportation (DOT) Classification Standards for Electronic Technician Positions (reference Appendix 7 of this order).

5. For promotion to GS-0856-11 (developmental), a candidate must have completed:

a. At least 1 year of experience at the next lower grade level

b. All courses listed in paragraphs 3 and 4 of Appendix 1

c. All training/certification requirements to possess a regular work assignment that includes one system from the Category I list and a subsystem from the Category II list or a subsystem from the Category III list. Subsystems with categories are identified in the DOT Classification Standards for Electronic Technicians, (reference Appendix 7 of this order).

6. For promotion to GS-0856-11 (journey level), a candidate must have completed:

a. At least 1 year of experience at the next lower grade level

b. All courses listed in paragraphs 3 and 4 of Appendix 1

c. All training/certification requirements to possess a regular work assignment that includes two Category II systems, identified in DOT Classification Standards for Electronic Technicians from the specialties in his/her duty unit, only one of which may be satisfied by communications concepts (reference appendix 7 of this order).

7. For promotion to GS-0856-12 (journey level), a candidate must have completed:

a. At least 1 year of experience at the next lower grade level

b. All courses listed in paragraphs 3 and 4 of Appendix 1

c. All training/certification requirements to possess a regular work assignment that includes two systems from the Category II list, one of which must be "critical" and only one certification may be satisfied by communication concepts; or one system from the Category III list, identified in DOT Classification Standards for Electronic Technicians. A "critical" facility is one that has been determined critical for control of air traffic at selected locations and has been identified as such by the Airway Facilities Division and endorsed by the Human Resource Management Division per the DOT Position Classification Guide for Electronics Technician Positions, GS-856, (reference Appendix 7 of this order).

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Appendix 2

APPENDIX 2. ENGINEERING TECHNICIAN, GS-0802, REQUIREMENTS

1. ENGINEERING TECHNICIAN, GS-0802. To qualify for promotion to the following grades, the candidate must have completed the necessary training and/or certifications to possess the indicated work assignments in addition to meeting the criteria in the OPM Qualification Standards and FAA Order 3330.1, Merit Promotion Program. Based on the complexity and criticality of certain systems and equipment, the GS-0802 series has been established at various locations.

2. For promotion to GS-0802-09 (developmental), a candidate must have completed:

a. At least 1 year of experience at the next lower grade level

b. PREFERRED METHOD - Course 47002, (CBI) Mathematics for FAA Technical Personnel and Course 47003, (CBI) Electronics for FAA Technical Personnel. ALTERNATE METHOD - Course 44502, Foundation Mathematics; Course 44504, Electronic Fundamentals and Engineering Mathematics; Course 44417, Semiconductor Devices; and Course 44416, Digital Techniques. The method of training shall be determined by the sector/branch manager (reference paragraph 11 of this order). In addition, the following courses must be successfully completed:

c. Course 44012, Data Communications

d. Course 44419, Computer Software

e. Course 44511, Electronic Test Equipment

f. Course 40511, Common Principles Basic

g. Course, 40406, Computer Hardware

3. For promotion to GS-0802-10 (developmental), a candidate must have completed:

a. At least 1 year of experience at the next lower grade level

b. All courses listed in paragraph 2 of Appendix 2

c. Course 47600, Electrical Principles

d. Course 47001, Troubleshooting Techniques

e. All the training/certification requirements to possess a regular work assignment in at least ONE of the following major specialty areas:

(1) Engines (Level III or higher ATCT, or ARTCC)

(2) Heating/Air Conditioning (Level III or higher ATCT, or ARTCC)

(3) Visual Landing Aids (other than ALSF-II)

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Appendix 2

(4) Power Systems (Power Conditioning Systems less than 50KW)

4. For promotion to GS-0802-11 (journey level), a candidate must have completed:

- a. At least 1 year of experience at the next lower grade level
- b. All courses listed in paragraph 2 and 3 of Appendix 2

c. All the training/certification requirements to possess a regular work assignment in at least ONE Category II System in the following major specialty areas:

- (1) PCS/UPS (50KW or greater) at a Level III or higher ATCT or ARTCC
- (2) Central Control & Monitoring System (CCMS)
- (3) Approach Lighting System with Flasher (ALSF II)

5. For promotion to GS-0802-12 (journey level), a candidate must have completed:

- a. At least 1 year of experience at the next lower grade level
- b. All courses listed in paragraph 2, and 3 of Appendix 2

c. All training/certification requirements to possess a regular work assignment in at least TWO Category II systems in the following specialty areas (also, see Appendix 7, paragraph 6.):

- (1) PCS/UPS (50KW or greater) at a Level III or higher ATCT or ARTCC
- (2) Approach Lighting System with Flasher (ALSF-II)
- (3) Central Control & Monitoring System (CCMS)

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Appendix 3

**APPENDIX 3. MAINTENANCE MECHANIC, WG-4749, AND UTILITY SYSTEMS
REPAIR OPERATOR, WG-4742, REQUIREMENTS**

1. Maintenance Mechanic, WG-4749, and Utility Systems Repair Operator, WG-4742. To qualify for promotion to the following grades, the candidate must have completed the necessary training and/or certification to possess the indicated work assignments in addition to meeting the criteria in the OPM Qualification Standards and FAA Order 3330.1, Merit Promotion Program.

2. Maintenance Mechanic or Utility Systems Repair Operator, WG-4749/4742-5. These positions are considered entry level, and the employee should devote all duty time to training and familiarization.

3. For promotion to WG-4749/4742-08 (developmental), a candidate must have completed:

- a. Course 44502, Foundation Mathematics
- b. Course 44417, Semiconductor Devices
- c. Course 44416, Digital Techniques

4. For promotion to WG-4749/4742-10 (developmental), a candidate must have completed:

- a. All courses listed in paragraph 3 of Appendix 3
- b. Course 44415, Microprocessors
- c. Course 44511, Electronic Test Equipment
- d. Course 47600, Electrical Principles
- e. Course 47001, Troubleshooting Techniques

f. All the training/certification requirements to possess a regular work assignment in at least ONE of the following major specialty areas (reference Appendix 7 of this order):

- (1) Engines
- (2) Heating/Air Conditioning
- (3) Visual Landing Aids (other than ALSF II)
- (4) Power Conditioning Systems (less than 50KW)

5. For promotion to WG-4749/4742-11 (journey level), a candidate must have completed:

- a. All courses listed in paragraph 3 and 4 of Appendix 3

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b. All the training/certification requirements to possess a regular work assignment in at least TWO of the following major specialty areas (reference Appendix 7 of this order):

- (1) Engines
- (2) Heating/Air Conditioning
- (3) Visual Landing Aids (other than ALSF II)
- (4) Power Conditioning Systems (less than 50KW)

Training
Completed

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Appendix 4

**APPENDIX 4. ELECTRONICS/ELECTRICAL ENGINEER, GS-0855/0850,
REQUIREMENTS (OPERATIONS POSITIONS)**

1. Electronics/Electrical Engineer, GS-0855/0850. To qualify for promotion to the following grades, the candidate must have completed the necessary training and/or certification to possess the indicated work assignments in addition to meeting the criteria outlined in the OPM Qualifications Standards and FAA Order 3330.3.

2. Developmental Electronics/Electrical Engineer, GS-0855/0850-5/7. This position is considered an entry level working/training position. It is expected the employee's time will be equally divided between training and workload assignments, giving the employee 50 percent or more duty time to complete the training requirements.

a. Training Required. For promotion to GS-0855/0850-5/7 (developmental), a candidate must have completed:

(1) At least 1 year of experience at the next lower grade level

(2) PREFERRED METHOD - Course 47002, (CBI) Mathematics for FAA Technical Personnel and Course 47003, (CBI) Electronics for FAA Technical Personnel. ALTERNATE METHOD - Course 44502, Foundation Mathematics; Course 44504, Electronic Fundamentals and Engineering Mathematics; Course 44417, Semiconductor Devices; and Course 44416, Digital Techniques. The method of training shall be determined by the sector/branch manager (reference paragraph 11 of this order). In addition, the following courses must be successfully completed:

(3) Course 44012, Data Communications

(4) Course 44419, Computer Software

(5) Course 44511, Electronic Test Equipment

(6) Course 40509, Common Principles Basic

(7) Course 40406, Computer Hardware

NOTE: It is expected that most engineers, due to their extensive training in electronics theory, will have the ability to utilize Computer Based Instruction (CBI) and bypass examinations for all resident course prerequisites and some resident theory courses.

b. Engineer Work Assignments. The following is a partial list of typical engineering work assignments at the GS-5/7 level.

(1) Participates in Joint Acceptance Inspections (JAI's)

(2) Participates in technical inspections

(3) Provides engineering analysis (data gathering, etc.)

- (4) Conducts specialized training as required
- (5) Assists on F&E installation projects
- (6) Designs and installs selected Critical and Emergency Repairs to Structures and Grounds (CERSG) projects
- (7) Accomplishes sector project resident engineer duties

3. ELECTRONICS/ELECTRICAL ENGINEER, GS-855/850-9. This position is considered an entry level working/training position. It is expected that the employee's time will be divided equally between training and workload assignments, giving the employee 50 percent or more duty time to complete the training requirements.

a. Training Required. For promotion to GS-0850/0855-9 (developmental), a candidate must have completed:

- (1) At least 1 year of experience at the next lower grade level
- (2) All courses listed in paragraph 2 of Appendix 4
- (3) One of the following concepts courses: Course 40233, ILS Concepts; Course 40276, VOR/TACAN Common Principles; Course 40392, Radar Common Principles; Course 47502, Communication Equipment; or Course 47600, Electrical Principles
- (4) Course 47001, Troubleshooting Techniques
- (5) Successful completion of one theory of operations requirements from the Category I list, or subsystem of a Category II system identified in the DOT Classification Standards for Electronic Technician positions (reference Appendix 7 of this order).

b. Engineer Work Assignments. The following is a partial list of typical engineering work assignments at the GS-9 level:

- (1) Includes all GS-5/7 items listed in paragraph 2 of Appendix 4
- (2) Reviews technical suggestions
- (3) Reviews National Change Proposals (NCP's)
- (4) Develops and reviews test modifications and waivers
- (5) Acts as a sector representative on project coordination with regional office engineers
- (6) Evaluates proposed handbook changes
- (7) Evaluates flight inspection recordings
- (8) Develops and conducts training on new or unique systems

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- (9) Reviews facility documents, performs facility performance analysis, and makes recommendations for facility improvement
- (10) Engineers sector assigned F&E projects
- (11) Engineers sector assigned CERSG projects
- (12) Develops alignment procedures on new or prototype systems

4. ELECTRONICS/ELECTRICAL ENGINEER, GS-855/850-11. This position is also considered an entry level working/training position. It is expected that the employee's time will be divided between training and workload assignments, giving the employee 25 percent or more duty time to complete the training requirements.

a. Training Required. For promotion to GS-0855/0850-11 (developmental), a candidate must have completed:

- (1) At least 1 year of experience at the next lower grade level
- (2) All courses listed in paragraphs 2 and 3 of Appendix 4
- (3) Successful completion of the theory of operations requirements that includes one system from the Category I list, and a subsystem from the Category II list, or a subsystem from the Category III list, only one of which may be satisfied by communications concepts (reference Appendix 7 of this order).

b. Engineer Work Assignments. The following is a partial list of typical engineering work assignments at the GS-11 level:

- (1) Includes all GS-5/7/9 items listed in paragraphs 2 and 3 of Appendix 4
- (2) Identifies frequency interference problems and makes recommendations to Telecommunications and Spectrum Engineering Branch, AGL-480
- (3) Conducts facility technical inspections as assigned
- (4) Represents the sector at technical meetings with non-FAA personnel
- (5) Provides consultation in resolving problems encountered during flight inspections
- (6) Provides consultation on JAI's
- (7) Is detailed for engineering assignments to the Resource and Planning Branch, AGL-420, Establishment Engineering Branch, AGL-450, System Maintenance Engineering Branch, AGL-460, or the Telecommunications and Spectrum Engineering Branch, AGL-480
- (8) Conducts sector level planning studies for facility improvements

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(9) Provides consultation and feedback regarding maximum utilization of test equipment

5. ELECTRONICS/ELECTRICAL ENGINEER, GS-855/850-12. The following is a partial list of typical engineering work assignments at the GS-12 level:

a. Training Required. For promotion to GS-0855/0850-12 (journey level), a candidate must have completed:

(1) At least 1 year of experience at the next lower grade level

(2) All courses listed in paragraphs 2, 3, and 4 of Appendix 4

(3) Successful completion of theory of operations that include two systems from the Category II list, only one of which may be satisfied by communications concepts or one system from the Category III list (reference Appendix 7 of this order).

b. Engineer Work Assignments. This includes all assignments listed in the GS-5/7/9/11 levels (see paragraphs 2, 3, and 4 of Appendix 4).

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Appendix 5

**APPENDIX 5. ELECTRONICS/ELECTRICAL ENGINEER, GS-0855/0850,
REQUIREMENTS (F&E POSITIONS)**

1. Electronics/Electrical Engineer, GS-0855/0850. To qualify for promotion to the following grades, the candidate must have completed the necessary training and/or certification to possess the indicated work assignments in addition to meeting the criteria outlined in the OPM Qualifications Standards and FAA Order 3330.1, Merit Promotion Program.
2. Developmental Electronics/Electrical Engineer, GS-0855/0850-5/7. This position is considered an entry level working/training position. It is expected the employee's time will be equally divided between training and workload assignments, giving the employee 50 percent or more duty time to complete the training requirements.
3. For promotion to GS-0855/0850-5/7 (developmental), a candidate must have completed:
 - a. At least 1 year of experience at the next lower grade level
 - b. PREFERRED METHOD - Course 47002, (CBI) Mathematics for FAA Technical Personnel and Course 47003, (CBI) Electronics for FAA Technical Personnel. ALTERNATE METHOD - Course 44502, Foundation Mathematics; Course 44504, Electronic Fundamentals and Engineering Mathematics; Course 44417, Semiconductor Devices; and Course 44416, Digital Techniques. The method of training shall be determined by the sector/branch manager (reference paragraph 11 of this order). In addition, the following courses must be successfully completed:
 - c. Course 44012, Data Communications
 - d. Course 44419, Computer Software
 - e. Course 44511, Electronic Test Equipment
 - f. Course 40509, Common Principles Basic
 - g. Course 40406, Computer Hardware
 - h. All the training requirements to be assigned the technical responsibility for accomplishing a portion of the installation of a system on the Category I list, or subsystem from the Category II list, identified in DOT Classification Standards for Electronic Technician positions (reference Appendix 7 of this order).

NOTE: It is expected that most engineers, due to their extensive training in electronics theory, will have the ability to utilize Computer Based Instruction (CBI) and bypass examinations for all resident course prerequisites and some resident theory courses.

4. ELECTRONICS/ELECTRICAL ENGINEER, GS-0855/0850-9. This position is considered an entry level working/training position. It is expected that the employee's time will be divided equally between training and workload assignments, giving the employee 50 percent or more duty time to complete the training requirements.

5. For promotion to GS-0855/0850-9 (developmental), a candidate must have completed:

- a. At least 1 year of experience at the next lower grade level
- b. All courses listed in paragraph 3 of Appendix 5
- c. One of the following concepts courses: Course 40233, ILS Concepts; Course 40276, VOR/TACAN Common Principles; Course 40392, Radar Common Principles; Course, 47502, Communication Equipment; or Course 47600, Electrical Principles
- d. Course 47001, Troubleshooting Techniques
- e. All the training requirements to be assigned technical responsibility for planning, coordinating and accomplishing the installation of a system on the Category II list, identified in DOT Classification Standards for Electronic Technician positions (reference Appendix 7 of this order).

6. ELECTRONICS/ELECTRICAL ENGINEER, GS-850/855-11. For promotion to GS-0850/0855-11 (journey level), a candidate must have completed:

- a. At least 1 year of experience at the next lower grade level
- b. All courses listed in paragraphs 3 and 5 of Appendix 5
- c. All training requirements to be assigned full technical and limited managerial responsibility for planning, coordinating and accomplishing the installation and joint acceptance inspection (JAI) of two systems on the Category II list, identified in DOT Classification Standards for Electronic Technicians, only one of which may be satisfied by communications equipment (reference Appendix 7 of this order).

7. ELECTRONICS/ELECTRICAL ENGINEER, GS-850/855-12. For promotion to GS-0850/0855-11 (journey level), a candidate must have completed:

- a. At least 1 year of experience at the next lower grade level
- b. All courses listed in paragraphs 3 and 5 of Appendix 5
- c. All training requirements to be assigned full technical and limited managerial responsibility for planning, coordinating, and accomplishing the installation and joint acceptance inspection (JAI) of two systems on the Category II list, identified in DOT Classification Standards for Electronic Technicians, only one of which may be satisfied by communications equipment (reference Appendix 7 of this order).

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**APPENDIX 6. ELECTRONICS TECHNICIANS, GS-0856,
REQUIREMENTS (F&E POSITIONS)**

1. Electronics Technician, GS-0856. To qualify for promotion to the following grades, the candidate must have completed the indicated training in addition to meeting the criteria in the OPM Qualification Standards and FAA Order 3330.1, Merit Promotion Program.
2. Developmental Electronics Technician, GS-0856-5. These positions are considered entry level working/training positions. It is expected that the employees time will be divided between training and workload assignments, giving the employee 50 percent or more duty time to complete the training requirements.
3. For promotion to GS-0856-7 (developmental), a candidate must have completed:
 - a. At least 1 year of experience at the next lower grade level
 - b. PREFERRED METHOD - Course 47002, (CBI) Mathematics for FAA Technical Personnel and course 47003, (CBI) Electronics for FAA Technical Personnel. ALTERNATE METHOD - Course 44502, Foundation Mathematics; Course 44504, Electronic Fundamentals and Engineering Mathematics; Course 44417, Semiconductor devices; and Course 44416, Digital Techniques. The method of training shall be determined by the branch manager (reference paragraph 11 of this order). In addition, the following courses must be successfully completed:
 - c. Course 44012, Data Communications
 - d. Course 44419, Computer Software
 - e. Course 44511, Electronic Test Equipment
 - f. Course 40509, Common Principles Basic
 - g. Course, 40406, Computer Hardware
 - h. All the training requirements to be assigned the technical responsibility for accomplishing a portion of the installation of a system on the Category I list, or subsystem from the Category II list, identified in DOT Classification Standards for Electronic Technician positions (reference Appendix 7 of this order).
4. For promotion to GS-0856-9 (developmental), a candidate must have completed:
 - a. At least 1 year of experience at the next lower grade level
 - b. All courses listed in paragraphs 3 of Appendix 6
 - c. One of the following concept courses: course 40023, ILS Concepts; Course 40276, VOR/TACAN Common Principles; Course 40392, Radar Common Principles; Course 47502, Communication Equipment; or Course 47600, Electrical Principles (reference Appendix 7 of this order)
 - d. Course 47001, troubleshooting Techniques

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e. All the training requirements to be assigned technical responsibility for planning, coordinating and accomplishing the installation of a system on the Category II list, identified in DOT Classification Standards for Electronic Technician positions (reference Appendix 7 of this order).

5. For promotion to GS-0856-11 (journey level), a candidate must have completed:

a. At least 1 year of experience at the next lower grade level

b. All courses listed in paragraphs 3 and 4 of Appendix 6

c. All training requirements to be assigned full technical and limited managerial responsibility for planning, coordinating and accomplishing the installation and joint acceptance inspection (JAI) of two systems on the Category II list, identified in DOT Classification Standards for Electronic Technicians, only one of which may be satisfied by communications equipment (reference Appendix 7 of this order).

APPENDIX 7. SYSTEM COMPLEXITY LEVEL GUIDANCE

1. For use with the December 1972 DOT EMT Position Classification Guide and the October 1962 Classification Guide for Electronics Technicians.
2. The guidance contained herein is to be used with the above guide for identifying the level of complexity of facilities/equipment/systems. THE GUIDANCE PRESENTED HEREWITH MUST BE USED IN CONJUNCTION WITH AND WITHIN THE SCOPE AND PROVISIONS OF THE GUIDE.
3. The complexity level for the various facilities/equipment/systems is based on the definition of skills and knowledge cited in the 1960 Classification Guide for Electronics Technicians and/or established comparisons where new knowledge is required.
4. Systems are classified in three separate categories. Category I contains facilities/equipment/systems which do not meet the level of complexity which could be included in the "two complex systems" requirement for the GS-12 work assignment. Category II contains facilities/equipment/systems which do meet the level of complexity needed to fulfill the "two complex systems" requirement for the GS-12 work assignment. Category III contains systems which are so large and complex that, as single systems, they equate to the "two complex systems" requirement for the GS-12 work assignment.
5. It is management's responsibility to practice sound position management in distributing assignments among the work force.

CATEGORY I

AID	Airport Information Desk
ASDE	Airport Surface Detection Equipment
BUEC	Backup Emergency Communication Equipment at Remote Site
CCTV	Closed Circuit Television System
CMLT	Communications Microwave Link Terminal
COMCO	Command Communications Outlet
CHI	Cloud Height Indicator
DRG	Data Receiver Group
DTE	Data Terminal Equipment (other than at Central Flow Control)
FDEP	Flight Data Entry and Printout
FM	Fan Marker
FREQ	Frequency Control Unit
HHH	Non directional Radio Beacon (Low/high Power)
HCVR	High Capacity Voice Recorder
LCOT	VHF/UHF Link Terminal
LNKR	VHF/UHF Link Repeater
MAPS	Meteorological and Aeronautical Presentation System
OAW	Off-Airways Weather Stations (AMOS, RAMOS, AUTOB)
RCAG	Remote Center Air/Ground Facility
RCO	Remote Communications Outlet
RMLR	Radar Microwave Link Repeater
RRH	Remote Reading Hygrothermometer
RRWDS	Remote Radar Weather Display System
RTR	Remote Transmitter/Receiver Facility with less than 17

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Appendix 7

CATEGORY I (Continued)

Units of Control

RVR	Runway Visual Range, Without Computer
SFO	Single Frequency Outlet
SMMC	Systems Maintenance Monitor Console
SCC	System Command Center
SSO	Self-Sustained Outlet :
TELEX	Telephone Exchange
TMLI	Television Microwave Link Indicator (includes display)
TMLR	Television Microwave Link Repeater
TMLT	Television Microwave Link Transmitter
TROPO	Tropospheric Scatter Station
TTY	Teletypewriter Station
UC (COMM)	Units of Control (Communications) 9 to 16 Units of Control as applied to CST, CTRAC, ATCT, IFSS, FSS, LATSC, RAPCO, RATCC, TRACO or TRCAB
VOT	VHF Omni Directional Range Test
CMMS	Communications Microwave Multiplex System
RBC	Rotating Beam Ceilometer

CATEGORY II

ARSR	Air Route Surveillance Radar
ARTS II	Automated Radar Terminal System
ASR	Airport Surveillance Radar
ATCBI	Air Traffic Control Beacon Interrogator
ATCRB	Air Traffic Control Radar Beacon
AWANS	Aviation Weather and NOTAM System
BRITE	Brite Radar Indicator Terminal Equipment
BUEC	Backup Emergency Communication with Computer at ARTCC
CD	Common Digitizer
CRYPTO	Cryptographic Systems (On Line)
CUE	Computer Update Equipment
DARC	Data Acquisition Radar Channel
DF	Doppler Direction Finding Equipment
DME-G/L/V/R	Distance Measuring Equipment - Glide Slope, Localizer, VOR, Terminal TACAN - DME Only
DTE (at CFC)	Data Terminal Equipment (at Central Flow Control, Washington headquarters)
ILS	Instrument Landing System (Localizer and Glide Slope)
IMLSA/E	Interim Microwave Landing System, Azimuth/Elevation
LDA	Localizer, type Direction Aid
LWSAS (LWAS)	Low Level Wind Shear Alert System
MHFR	Military Height Finder Radar: (This system is not in the NAS and is not covered by the DOT Classification Guide)
MLSA/BA/D/E	Microwave Landing System
NADIN - B	National Data Interchange Network Concentrator
PAR	Precision Approach Radar
RBDE	Radar Brite Display Equipment
RBDPE	Radar Beacon Data Processor Equipment

Including
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CATEGORY II (CONTINUED)

RMLT	Radar Microwave Link Terminal
RTR	Remote Transmitter/Receiver(17 or more Units of Control)
RVR	Runway Visual Range, with Computer
SRAP	Sensor, Receiver and Processor
TACAN	Tactical Air Navigation Facility
TCDD	Tower Cab Digital Display
TPX-42	Terminal Radar/Beacon Decoder
UC (COMM)	Units of Control (Communications) 17 to 33 Units of Control as applied to CTRAC, FSS, LATSC, IFSS, RAPCO, ATCT, RATCC, TRACO or TRCAB
VOR/VHF	Omni-Directional Range

CATEGORY III

This category contains systems of extreme size and complexity. Assignment to any one of the following systems equates to two complex systems in Category II and therefore supports allocation to the GS-12 level.

AFTN	Aeronautical Fixed Telecommunications Network
ARTS	Automated Radar Terminal System (Workload assignments in the ARTS III system)
CCC	Central Computer Complex (Computer Processor Workload)
CDC	Computer Display Channel (Computer Display or Computer processor Workload)
CFCCC	Central Flow Control Computer Complex
DCC	Display Channel Complex (Display Channel or Computer Processor Workload)
E ARTS	En Route Automated Radar Tracking System
FSDPS	Flight Service Data Processing System (Formerly Automated Flight Service Station Computer Processor, AFSS)
IATSC	International Aeronautical Telecommunications Switching Center (AFTN only)
NADIN - A	National Data Interchange Network Switching Center Computer Processor
TCSS	Terminal Communications Switching System
UC (COMM)	Units of Control (Communications - 34 or more Units of Control)
WMSC	Weather Message Switching Center Computer Processor

NON TYPICAL ASSIGNMENTS SATISFYING THE TWO-COMPLEX-SYSTEMS CRITERIA

6. The following are examples of work situations which, although unusual, satisfy the "two complex system" requirement necessary for GS-12 grade allocation:

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a. The assignment of two identical types of systems, e.g., two ILS's, two VOR's, etc., at locations covered by the Guide.

b. The assignment of a Category II system at a location covered by the Guide and the assignment of a Category II system at a location outside of the Guide's coverage.

Line Typing
Lines Left