

Department of the Army
Pamphlet 621-98

EDUCATION

**THE US ARMY
SIGNAL SCHOOL
APPRENTICESHIP
PROGRAM FOR
THE TRADE OF
LINE INSTALLER-
REPAIRER**

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SUMMARY of CHANGE

DA PAM 621-98

THE US ARMY SIGNAL SCHOOL APPRENTICESHIP PROGRAM FOR THE TRADE OF LINE
INSTALLER-REPAIRER

Not applicable

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EDUCATION

THE US ARMY SIGNAL SCHOOL APPRENTICESHIP PROGRAM FOR THE TRADE OF
LINE INSTALLER-REPAIRER

By Order of the Secretary of the Army:

E. C. MEYER
General, United States Army
Chief of Staff

Official:

ROBERT M. JOYCE
Brigadier General, United States Army
The Adjutant General

Summary. Not applicable.

Applicability. This pamphlet applies to all elements of the Active Army. This pamphlet does not apply to Army National Guard and Army Reserve.

Proponent and exception authority. The proponent agency of this pamphlet is The Adjutant General's Office.

Interim changes. Interim changes to this pamphlet are not official unless they are authenticated by The Adjutant General. Users will destroy interim changes on their expiration dates unless sooner superseded or rescinded.

Suggested Improvements. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) to the Commander, US

Army Signal Center and Fort Gordon, ATTN: ATZHPA-E, Fort Gordon, GA 30905.

Distribution. To be distributed in accordance with DA Form 12-9A requirements for DA Pamphlets, Education plus 5 copies each to All Education Centers and Sub-centers.

Active Army:—B
ARNG:—None
USAR:—None

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*This pamphlet supersedes DA Pam 621-97, 15 May 1979.

RESERVED

1. Purpose.

The purpose of this pamphlet is to announce the US Army Signal School Apprenticeship Program for the Trade of Line Installer–Repairer (DOT Code 822.361–010).

2. Applicability.

This pamphlet applies to all elements of the Active Army. This pamphlet does not apply to Army National Guard and Army Reserve.

3. General.

Policies and procedures for participation in the program are contained in AR 621–5. This pamphlet is designed to be used in conjunction with that regulation.

4. Apprenticeship Program Number and Occupational skill Code.

a. The following apprenticeship program number and occupational skill code are used to identify the US Army Signal School Apprenticeship Program for the Trade of Line Installer–Repairer.

(1) Apprenticeship Program Number: 99904.

(2) Occupational Skill Code: 08.

b. The apprenticeship program number and occupational skill code must be entered on DA Form 4409–R (Apprenticeship Application) to identify the program for which the soldier is making application.

5. Eligibility for Participation in the Program.

Soldiers holding as primary or secondary one of the MOSS indicated below and serving in the MOS may participate in the program.

a. MOS 36C: Wire Systems Installer/Operator.

b. MOS 36D: Antenna Installer Specialist.

c. MOS 36K: Tactical Wire Operations Specialist.

6. The Line Installer–Repairer Apprenticeship Program.

This is an 8,000–hour program which leads to certification as journeyworker in the trade of Line Installer–Repairer. Participation in the program is voluntary, and no membership in labor unions or professional associations is required. The work process schedule and schedule of related instruction for the trade are attached (apps B and C). The purpose of the work process schedule and the schedule of related instruction are as indicated below:

a. The work process schedule reflects categories of work experience required by soldier–apprentices to qualify as journeyworker and hours of work experience required in each category.

b. The schedule of related instruction identifies courses which may be taken by soldier–apprentices to satisfy the 576 hours of related instruction required for completion of the program.

7. Enrollment in the Program.

Soldiers may enroll in the program by contacting their installation education services officers (ESOs) who will explain requirements of the program and assist in the preparation of the apprenticeship application form (DA Form 4409–R).

8. Apprentice Log Forms.

Apprenticeship log forms and instructions on use of forms will be issued to soldiers by installation ESOs at the time of registration in the program. Log instruction sheets will be maintained by soldiers in a three–ring binder. Soldier–apprentices will be required to annotate their work experience on log sheets on a daily basis. The standard for the amount of work experience logged will be 132 hours per month. Hours logged above this standard amount must be justified in the remarks section of the daily work experience record and attested to by the signature and rank of the shop craft supervisor or an individual holding a comparable position. Log entries must be verified by the soldier–apprentice’s immediate supervisor on a weekly basis.

9. Credit for Previous Experience.

a. Newly enrolled soldier–apprentices who have partially completed an approved Federal or State registered civilian apprenticeship in the trade of Line Installer–Repairer or a related trade will, upon presentation of documentation, be awarded credit for all experience related to categories of work contained in the work process schedule at appendix B.

b. Up to 4,000 hours of credit for previous military work experience may be awarded upon presentation of authenticated documentation of satisfactory performance. Such experience must be directly related to the occupation in which the apprenticeship is being performed. Statements from previous supervisors or other such documentation which certify category of work, number of hours by category, and quality of performance will be submitted by soldier–apprentices to their installation ESOs for consideration. ESOs will forward these documents to the Commander, US Army Signal Center and Fort Gordon, ATTN: ATZHPA–E, Fort Gordon, GA 30905, for final determination.

10. Related Instruction Credit for Previous Military and Civilian Education.

Credit for previous military and civilian education may be awarded to satisfy related instruction requirements by presenting certificates of course completion or other such documentation from official military records or other sources. The installation ESO will determine the amount of credit to be awarded. The ESO will consult sponsor Service schools, as required, to determine the appropriate amount of credit for each course not listed in appendix C of this pamphlet.

11. Completion of the Program.

Upon successful completion of the program, a Certificate of Completion of Apprenticeship will be awarded by the US Department of Labor. While the award of a Certificate of Completion of Apprenticeship will not guarantee a job, it will certify that journeyworker status has been attained, and should enable completers of the program to be more competitive with civilians in the trade.

12. Partial Completers.

Soldiers leaving the Service prior to completion of the program will receive documented credit for that portion of the program which they did complete. This documentation may be presented for satisfaction of requirements of civilian apprenticeship programs in the trade of Line Installer–Repairer or a related trade. See appendix D.

Appendix A References

Section I Required Publications

This section contains no entries.

Section II Related Publications

This section contains no entries.

Section III Prescribed Forms

This section contains no entries.

Section IV Referenced Forms

This section contains no entries.

Appendix B

Work Process Schedule for the Trade of Line Installer–Repairer (Dot Code 822.361–010)

B–1. Work Process Schedule for the Trade of Line Installer–Repairer

Paragraph not used.

Table B–1
Work Process Schedule for the Trade of Line Installer–Repairer

	<i>Hours</i>
A. Orientation	600
Apply proper terminology the installer–repairer will use on the job.	
Develop skills in the proper use and storing of tools and equipment.	
Maintain equipment and material records.	
Observe experienced installer–repairer performing tasks involved in the trade of Installer–Repairer.	
B. Develop Skills in Pole Tower and/or Antenna Construction	2,000
Assemble and erect steel towers and antenna, attach various insulators and conductors.	
Framing, erection, and guying of woodpoles and installation of hardware, insulators and conductors.	
Install abutments, anchors, braces, fixtures and guys.	
Utilize and properly handle heavy equipment used in construction of components.	
Determine material requirements and salvage reusable material.	
Determine manpower requirements.	
C. Removal and Replacement	1,200
Utilize and properly handle heavy equipment and tools for removal and replacement of poles, antennas, and towers.	
Remove and replace damaged poles, antennas, towers, guys, and anchors.	
D. Construction and Handling of Aerial, House, and Underground Cable	2,200
Install buried and underground cable.	
Prepare line routing surveys and maps.	
Determine manpower and material needs.	
Perform temporary construction for emergencies or to avoid interruption of service.	
Cable placement and hang suspension strands.	
E. Troubleshooting	1,400
Perform pre–operational checks and testing of installed cable.	
Troubleshoot line faults in field cable and make corrections.	
Install test stations as required.	
F. Perform Preventive Maintenance and Safety Procedures	600
Preventive maintenance performed on tools and equipment on a daily, weekly, monthly and/or quarterly basis.	
Exercise power safety procedures during construction and installation.	
Administer first aid on site as required.	
TOTAL	8,000

B–2. Title not used.

Paragraph not used.

Appendix C
Schedule of Related Instruction for Line Installer–Repairer (Dot Code 822.361–010)

C–1. Schedule of Related Instruction for Line Installer–Repairer

A total of 576 hours of related instruction is required to complete this program. Completion of any one or a combination of the below listed courses which equals 576 hours of related instruction or more may be taken to satisfy this requirement. Credit for courses not listed below may be awarded upon presentation of authenticated documentation of satisfactory completion. A synopsis of the course must be submitted with documentation. Documentation and synopsis for courses not listed below will be forwarded by ESOs to the Commander, US Army Signal Center and Fort Gordon, ATTN: ATZHPA–E, Fort Gordon, GA 30905, for final determination.

Table C–1
Schedule of Related Instruction for Line Installer–Repairer (Dot Code 822.361–010)

Course Number	Course Title	School	Resident	Non–resident	Credit Hours
A. 621–36C10	Telephone Installer and Lineman	USASC	X		263
B. 621–36D10	Antennaman	Shepherd, AFB TX	X		384
C. 621–36K10	Tactical Wire Operator Specialist	USASC	X		263
D. SSO–001	Communication Center Fundamentals	USASC		X	11
E. SSO–003	Introduction to Wire Communication	USASC		X	10
F. SSO–004	Introduction to Tactical Telephone and Teletype-writer Equipment	USASC		X	7
G. SSO–018	Communication Power Equipment	USASC		X	5
H. SSO–099	Basic Math	USASC		X	3
I. SSO–308	Introduction to Electricity	USASC		X	6
J. SSO–330	Introduction to Telephone and Telegraph Transmissions	USASC		X	8
K. SSO–450	Basic Communication Principles	USASC		X	5
L. SSO–462	Basic Test Equipment Operator	USASC		X	9
M. SS9–462	Basic Test Equipment Operation(SOJT)	USASC		X	12
N. SSO–650	Safety and Preventive Maintenance	USASC		X	3
O. SSO–651	Shop Practices and Safety	USASC		X	3
P. SSO–660	Maintenance Concept and Supply Procedures	USASC		X	7
Q. MMO–704	Basic Electricity	USAMMCS		X	29

C–2. Title not used.

Paragraph not used.

Appendix D
Example of a Partial Completion Letter

D-1. Example of a Partial Completion Letter

Paragraph not used.

(Enter Office Symbol)

(Enter Date)

TO WHOM IT MAY CONCERN:

This is to certify that _____ was enrolled in the Army
(Name)

Apprenticeship Program for _____
(Name of Occupational Skill Area)

_____ During this period _____ to _____. During that period
(Registration Number) (Date) (Date)

he successfully completed the following hours:

<i>Work Process</i>	<i>Hours</i>
A	_____
B	_____
_____	_____
_____	_____

Army Apprentice Programs are registered with the US Department of Labor and the fact that this individual did participate can be verified with the Bureau of Apprenticeship and Training, Patrick Henry Building, Washington, DC 20213, or by contacting Headquarters, TRADOC, ATTN: ATPL-AGE, Fort Monroe, VA, 23651.

Sincerely,

ESO's SIGNATURE BLOCK

Figure D. Example of a Partial Completion Letter

D-2. Title not used.

Paragraph not used.

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