

TM 11-5820-570-14

TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT

AND GENERAL SUPPORT MAINTENANCE MANUAL

FOR

MAINTENANCE CONTROL GROUP AN/GSA-99(V)1 (NSN 5895-00-930-0132)

MAINTENANCE CONTROL GROUP AN/GSA-99(V)2 (NSN 5895-00-930-0172)

MAINTENANCE CONTROL GROUP AN/GSA-99(V)3 (NSN 5895-00-930-0171)

MAINTENANCE CONTROL GROUP AN/GSA-99(V)4 (NSN 5895-00-930-0170)

MAINTENANCE CONTROL GROUP AN/GSA-99(V)5 (NSN 5895-00-930-0173)

MAINTENANCE CONTROL GROUP AN/GSA-99(V)6 (NSN 5895-00-930-0169)

MAINTENANCE CONTROL GROUP AN/GSA-99(V)7 (NSN 5895-00-930-0133)

MAINTENANCE CONTROL GROUP AN/GSA-99(V)8 (NSN 5895-00-930-0168)

MAINTENANCE CONTROL GROUP AN/GSA-99(V)9 (NSN 5895-00-930-0163)

MAINTENANCE CONTROL GROUP AN/GSA-99(V)10 (NSN 5895-00-930-5578)

MAINTENANCE CONTROL GROUP AN/GSA-99(V)11 (NSN 5895-00-930-5579)

MAINTENANCE CONTROL GROUP AN/GSA-99(V)12 (NSN 5895-00-930-0134)

(NUS 6283)

HEADQUARTERS, DEPARTMENT OF THE ARMY

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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON DC, 11 JUNE 1976

Operator's, Operational, Direct Support
and General Support Maintenance Manual
F o r

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MAINTENANCE CONTROL GROUP AN/GSA-99(V)12 (NSN 5895-00-930-5590)
(NUS 6283)

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*This technical manual is an authentication of the manufacturer's commercial literature and does not confirm with the format and content specified in AR 310-3, Military Publications. This technical manual does, however, contain available information that is essential to the operation and maintenance of the equipment.

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Relay logic NUS 5165-41G1
Amplifier-hybrid NUS 5165-42G1
Ground interrupter NUS 5165-43G1
Fault indicator and switching panel NUS 6294-1
Select panel NUS 6295-2

PREFACE

This Manual describes the maintenance control center NUS 6283 installed at mainline sites of the ET-A communications system. Part I provides installation instructions, operating procedures, theory of operation, and information. Theory of operation is described at the equipment level, and emphasis is placed on the interrelation of the modules rather than on circuit details. The modules are described in Part II, except for Lambda Power Supply LE 102 FM-1735-1. Refer to the power supply manufacturer's instruction manual for power supply operation and maintenance.

The maintenance control center conforms to a modular concept and is maintained to the direct support (3rd echelon) level. Maintenance to this level of support is concerned with localizing trouble to a particular module. When trouble is localized, replace the defective module. Refer to Instruction Manual for Test Facilities Kit MK-884/FRC-81(V), TM 11-5820-570-14/1 and -14/2 for maintenance information on the modules.

The maintenance control center is a component equipment in the ET-A communications system. The following is a list of publications pertaining to the ET-A communications system component equipments.

Manual Title	Manual Number
Maintenance Control Group AN/GSA-99(V)1 through AN/GSA-99(V)12 (NUS 6283)	11-5820-570-14
Operator's Manual for Center, Communications Operations AN/MSQ-76(V)1 through AN/MSQ-76(V)3 and AN/GSQ-106(V)1 through AN/CSQ-106(V)3 (Console Local Equipment)	11-5820-571-10
Radio Set AN/FRC-113(V)1 through AN/FRC-113(V)11 (NUS 6060)	11-5820-572-14
Multiplexer Set AN/FCC-40 through AN/FCC-54	11-5820-573-15
Nodal Point Receiver (NUS 8021/8024)	11-5820-574-14
Console, Communication Control OZ-8149/MRC-114(V) through OA-8154/MRC-114(V) (NUS 5972-5, -6)	11-5820-575-14
Console Training Facility (NUS 8423)	11-5820-576-14
Switching Set, Communications AN/MSQ-74(V)1 through AN/MSQ-74(V)10 and AN/MSQ-74(V)12 (Console Remote Equipment) (NUS 7640)	11-5820-577-14
Center, Communications Operations AN/MSQ-76(V)1 through AN/MSQ-76(V)3 and AN/GSQ-106(V)1 through AN/GSQ-106(V)3 (Console Local Equipment)	11-5820-578-24
Communication Group OA-8319/MSM (NUS 6052-23G1)	11-5820-578-14-1
Power Amplifier Group AN/MRA-15 (NUS 7561)	11-5820-579-15
Electronic Tube Cooler, ET-A Type 15-27-32.5	11-5820-579-15-1
Amplifier-Power Supply AM-4632/FRC-113(V) (NUS 6061-3)	11-5820-580-14
Transmitter (NUS 5951)	11-5820-581-14
Console, Communication Control OA-7695/GRC and OA-7696/GRC (NUS 5972-3, -7)	11-5820-582-14
Dual Receiver (NUS 5961)	11-5820-583-14
Maintenance Control Group AN/GSA-100 (NUS 6264)	11-5820-585-14
Tributary Terminal Set AN/FSC-34 (NUS 7957)	11-5820-587-15
Amplifier-Power Supply AM-4419/GRC (NUS 8013-2)	11-5820-603-14
ET-A Mainline Site Manual	11-5895-376-14-1
ET-A Tributary Site Manual	11-5895-376-14-2
ET-A Site Equipment, Towers and Antennas	11-5895-376-14-3
Test Facilities Kit MK-884/FRC-81	11-6625-647-14

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1. Scope of Manual

This manual describes Maintenance Control Center NUS 6283 (Mainline Sites) (fig. 1) and covers its installation, operation, theory and maintenance. It includes cleaning and inspection of the equipment and field level maintenance.

***Equipment.* Use equipment forms and records in accordance with instructions in TM 88-750.**

***b. Report of Packaging and Handling Deficiencies.* Fill out and forward DD Form 6 (Packaging Improvement Report) as prescribed in AR 700-58/NAVSUPINST 4080.29/APR 71-13/MCO P4080.29A, and DSAR 4145.8.**

2. Forms and Records

a. Reports of Maintenance and Unsatisfactory

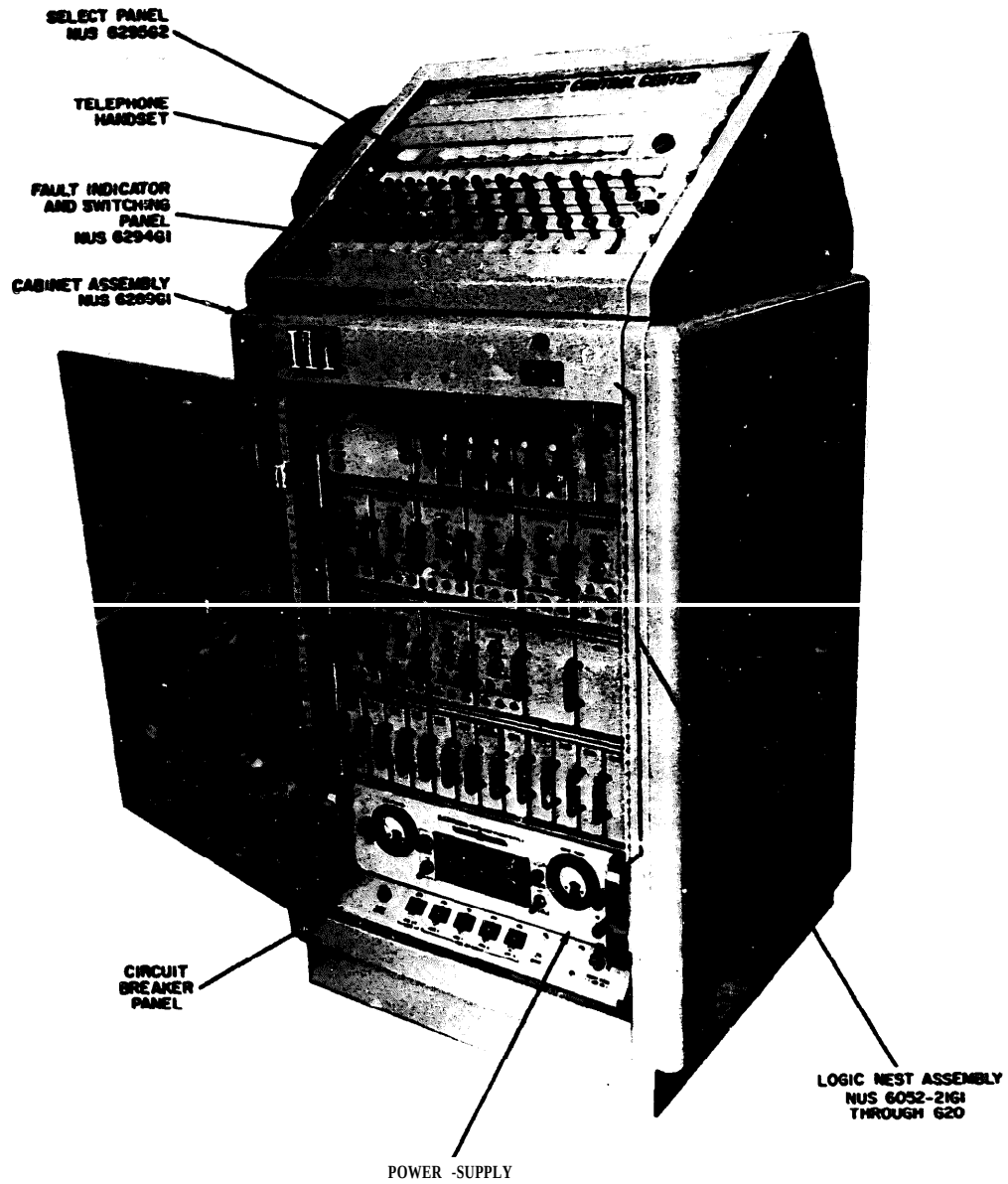


Figure 1. Maintenance control center NUS 6283 (mainline sites).