

**APPENDIX II (U)****REFERENCES****1. Publication Indexes**

The following indexes should be consulted frequently for the latest changes or revisions of references given in this appendix and for new publications relating to the materiel covered in this manual.

Index of Administrative Publications.....	DA Pam 310-1
Index of Army Motion Pictures, Film Strips, Slides, and Phono-Recordings.....	DA Pam 108-1
Index of Blank Forms.....	DA Pam 310-2
Index of Graphic Training Aids and Devices.....	DA Pam 310-5
Index of Supply Manuals, Ordnance Corps.....	DA Pam 310-29
Index of Doctrinal, Training, and Organizational Publications (Field Manuals, Reserve Officers Training Corps Manuals, Training Circulars, Army Subject Schedules, Army Training Tests, Firing Tables and Trajectory Charts, Tables of Organization and Equipment, Type Tables of Distribution and Tables of Allowances.....	DA Pam 310-3
Index of Technical Manuals, Technical Bulletins, Supply Manuals (Types 4, 6, 7, 8 and 9), Supply Bulletins, Lubrication Orders, and Modification Work Orders.....	DA Pam 310-4

**2. Supply Manuals**

The following supply manual pertains to this materiel.

Ammunition, Explosives, Bulk Propellants, and Explosive Devices.....	SM 9-5-1375
--	-------------

**3. Forms**

The following forms pertain to this materiel.

Equipment, Inspection and Maintenance Worksheet.....	DA Form 2404
Equipment Maintenance Records, Organizational.....	DA Form 2408-3
Maintenance Request.....	DA Form 2407
Materiel Inspection and Receiving Report.....	DD Form 250
Rejection Memorandum.....	DA Form 829
Report of Damaged or Improper Shipment.....	DD Form 6
Request for Issue or Turn-In.....	DA Form 1546

**4. Other Publications**

The following explanatory publications contain information pertinent to this materiel and associated equipment.

*a. Camouflage.*

Camouflage, Basic Principals.....	FM 5-20
-----------------------------------	---------

*b. Decontamination.*

Decontamination.....	TM 3-220
Defense Against CBR Attack.....	FM 21-40

*c. Destruction to Prevent Enemy Use.*

Demolition Materials.....	TM 9-1946
Explosives and Demolitions.....	FM 5-25
Operators Manual: Destruction of NIKE Guided Missile Systems Materiel to Prevent Enemy Use (NIKE-AJAX, NIKE-HERCULES Air Defense Guided Missile Systems)	TM 9-1400-250-10/3

*d. General.*

Accident Reporting and Records.....	AR 385-40
Army Safety Program.....	AR 385-10
Authorized Abbreviations and Brevity Codes.....	AR 320-50
Corrosion Control and Treatment.....	TB 9-337
Dictionary of United States Army Terms.....	AR 320-5
First Aid for Soldiers.....	FM 21-11
Military Symbols.....	FM 21-30
Military Terms.....	FM 21-5
Northern Operations.....	FM 31-71
Ordnance Direct Support Service.....	FM 9-3
Ordnance General and Depot Support Service.....	FM 9-4
Ordnance Major Items and Major Combinations, and Pertinent Publications.....	SB 9-1
Organization, Policies, and Responsibilities for Maintenance Operations.....	AR 750-5
Organizational Maintenance NIKE-HERCULES Launching and Handling Equipment (NIKE-HERCULES and Improved NIKE-HERCULES Air Defense Guided Missile Systems).....	LO 9-1400-250-20
Organizational Maintenance NIKE-HERCULES Radar Course-Directing Central (NIKE-HERCULES and Improved NIKE-HERCULES Air Defense Guided Missile Systems).....	LO 9-1430-250-20
Report of Malfunctions and Accidents Involving Ammunition and Explosives During Training and Combat.....	AR 700-1300-8
Techniques of Military Instruction.....	FM 21-6

*e. Technical Manuals.*

Army Equipment Record Procedures.....	TM 38-750
Operation and Maintenance of Army Materiel in Extremely Cold Weather 0° to -65°.....	TM 9-207
Materials Used for Cleaning, Preserving, Abrading, and Cementing Ordnance Materiel; and Related Materials Including Chemicals.....	TM 9-247
Painting Instructions for Field Use.....	TM 9-213
Preservation, Packaging, and Packing of Military Supplies and Equipment.....	TM 38-230
Preventive Maintenance Services (NIKE-AJAX, NIKE-HERCULES, Improved NIKE-HERCULES Air Defense Guided Missile Systems).....	TM 9-1400-250-12
Use and Care of Hand Tools and Measuring Tools.....	TM 9-243

## INDEX (U)

	Paragraph	Page
AAR shelter .....	22.2b	30.2
Acquisition antenna ( <i>See</i> Antenna, acquisition)		
Acquisition antenna pedestal ( <i>See</i> Pedestal, acquisition antenna)		
Acquisition modulator ( <i>See</i> Modulator, acquisition)		
Acquisition radar operator's position and duties ( <i>See</i> Director station, trailer mounted)		
Acquisition radar system; technical data .....	9b	15
Acquisition receiver-transmitter ( <i>See</i> Receiver-transmitter, acquisition)		
Air conditioning room .....	21j	30
AJAX rocket motor hoist beam ( <i>See</i> Beam, hoist, rocket motor, AJAX)		
Alternate field wire pair trunk lines ( <i>See</i> Communications)		
Altitude plotting board ( <i>See</i> Plotting boards)		
Amplifier, klystron .....	21l, 21.1f	30
Antenna, acquisition .....	25b	47
Antenna, auxiliary .....	25f	47
Antenna, coupler group .....	21b, 21.1e	28, 30
Antenna group .....	22.2a	30.2
Antenna, HIPAR .....	22c, 22.1c	30.1, 30.2
Antenna, omni, HIPAR .....	22b, 22.1b	30.1
Antenna-receiver-transmitter group, LOPAR .....	25	47
Antenna-receiver-transmitter group, missile track .....	26c	47
Antenna-receiver-transmitter group, target range .....	26b	47
Antenna-receiver-transmitter group, target track .....	26a	47
APS filler and service equipment .....	56g	75
Assembly and service area:		
Function .....	14c	20.2
Physical layout .....	15, 16e	22
Assembly area .....	53	73
Assembly area HERCULES missile test set ( <i>See</i> Test set, assembly area, HERCULES missile)		
Auxiliary acquisition control interconnecting group ( <i>See</i> Control interconnecting group, auxiliary acquisition)		
Auxiliary acquisition radar .....	22.2	30.2
Auxiliary antenna ( <i>See</i> Antenna, auxiliary)		
Azimuth indicator ( <i>See</i> Indicator, azimuth)		
Azimuth operator's position and duties ( <i>See</i> Tracking station, trailer mounted)		
B scope indicator ( <i>See</i> Indicator, B scope)		
Battery charging rack MT-1498/G .....	56i	75
Battery control area:		
Function .....	14a	20.2
Physical layout .....	15, 16	22
Battery control console ( <i>See</i> Console, battery control)		
Battery control officer's position and duties ( <i>See</i> Director station, trailer mounted)		
Beam, hoist, HERCULES missile body .....	56l	78
Beam, hoist, rear body section .....	56m	78
Beam, hoist, rocket motor, AJAX .....	56p	78
Beam, hoist, rocket motor cluster .....	56k	78
Beam, hoist, rocket motor, missile .....	56o	78
Beam, hoist, warhead body section .....	56n	78
Blue equipment status ( <i>See</i> Equipment status)		
Bomb scoring equipment, radar .....	23g	40.1
Cabinet station, intercommunication .....	42b	60
Capabilities ( <i>See specific item</i> )		
Circuits:		
Command detonation .....	48e	67
Fail-safe control .....	48e	67
Receiving and decoding .....	48b	67
Steering control .....	48d	67
Transmitting .....	48c	67

CONFIDENTIAL

	Paragraph	Page
Coder set, radar .....	24a	43
Command detonation circuits ( <i>See Circuits</i> ) .....		
Comments, criticisms, corrections .....	3.1	9
Communications:		
Between guided missile launching set and battery control console .....	33	53
Emergency communication system, functional description:		
Alternate field wire pair trunk lines .....	75b(1)	93
Emergency field wire pairs .....	75b(3)	93
Radio sets .....	75b(2)	93
Intercom system, functional description .....	74	92
Telephone system, functional description .....	73	92
Completed engagement, report of .....	66	87
Computer group .....	23f, 23.1c	40, 40.7
Condenser, refrigerant .....	21.1j	30.1
Console, battery control .....	23c, 23.1b	30.2, 40.1
Console, launching control .....	42a	58
Console, missile radar control .....	24e	46
Console, target radar control .....	24e	43
Consolidated site ( <i>See Radar course directing central</i> ) .....		
Control-indicator, countermeasures .....	24c(5)	46
Control-indicator, HERCULES launching section .....	41a	57
Control-indicator, launcher .....	40	57
Control-indicator, power .....	21.1l	30.1
Control-indicator, transmitter .....	21e	28
Control interconnecting group, auxiliary acquisition .....	23d	39
Control-monitor, HIPAR .....	21n	30
Control-oscillator group .....	21.1k	30.1
Control, target ranging radar .....	24f	47
CONUS B launching section ( <i>See Launching sections, NIKE-HERCULES</i> ) .....		
CONUS C launching section ( <i>See Launching sections, NIKE-HERCULES</i> ) .....		
CONUS C modified launching section ( <i>See Launching sections, NIKE-HERCULES</i> ) .....		
CONUS D modified launching section ( <i>See Launching sections, NIKE-HERCULES</i> ) .....		
Countermeasures control-indicator ( <i>See Control-indicator, countermeasures</i> ) .....		
Department of the Army (DA MWO's) .....	2a.1, b	9
Depot maintenance (fifth echelon) ( <i>See Maintenance</i> ) .....		
Designation of target ( <i>See Target</i> ) .....		
Determination and establishment of equipment status ( <i>See Equipment status</i> ) .....		
Director station group .....	23a	30.2
Director station, trailer mounted:		
Description .....	23, 23.1	30.2, 40.1
Operator positions:		
Acquisition radar .....	28a(3)	50.1
Battery control officer .....	28a(1), 28a.1(1), (4), (5)	50.1, 51
Early warning plotting board .....	28a(5), 28a.1(6)	51
Fire control .....	28a(4)	51
Long range surveillance .....	28a.1(1), (3), (5)	51
Short range surveillance .....	28a.1(1), (2), (5)	51
Switchboard .....	28a(6), 28a.1(6)	51
Tactical controller .....	28a(2)	50.1
Early warning plotting board operator's position and duties ( <i>See Director station, trailer mounted</i> ) .....		
Early warning plotting board ( <i>See Plotting boards</i> ) .....		
Echelons of maintenance ( <i>See Maintenance</i> ) .....		
Elevation indicator ( <i>See Indicator, elevation</i> ) .....		
Elevation operator's position and duties ( <i>See Tracking station, trailer mounted</i> ) .....		
Emergency communication system ( <i>See Communications</i> ) .....		
Emergency field wire pairs ( <i>See Communications</i> ) .....		

	Paragraph	Page
Emergency mode ( <i>See</i> Targets)		
Emergency operating procedures ( <i>See</i> Procedures, emergency operating)		
Equipment, handling .....	56	75
Equipment status:		
Determination and establishment .....	59	83
Local designation during blue equipment status .....	71c	91
Local designation during red equipment status .....	71d	91
Local setting .....	71b	90
Surface-to-air low altitude mission .....	69	90
Surface-to-air mission:		
Blue .....	68b	88
Red .....	68c	88
White .....	68a	87
Surface-to-surface mission:		
Blue .....	70a	90
Red .....	70b	90
Fail-safe control circuits ( <i>See</i> Circuits)		
Fault locating indicator ( <i>See</i> Indicator, fault locating)		
Field maintenance (third and fourth echelons) ( <i>See</i> Maintenance)		
Filter, RF harmonic .....	21.1d	30
Fire control operator's position and duties ( <i>See</i> Director station, trailer mounted)		
FLI mode ( <i>See</i> Targets)		
Flight simulator group ( <i>See</i> Simulator group, flight)		
Forms, records, and reports .....	3	9
Forward body section ( <i>See</i> Missile body)		
Forward body section truck ( <i>See</i> Truck, forward body section)		
FUIF identification ( <i>See</i> Targets)		
Guidance system, missile:		
Beam rider .....	6b(2)	10
Command .....	6b(3)	10
Description .....	48	67
Homing .....	6b(1)	10
Guided missile launching set:		
Communications .....	33	53
Functional description .....	29	53
Indicators .....	32	53
Launching control .....	30	53
Operating power sources .....	34	53
Physical arrangement .....	35	53
Safety provisions .....	31	53
Guided missile M6:		
Functional description; aerodynamic configuration .....	47	63
Physical description .....	44	63
Rocket motor cluster .....	46	63
Handling equipment ( <i>See</i> Equipment, handling)		
Handling rack ( <i>See</i> Rack, handling)		
Handling ring segment, HERCULES .....	56g	78
HERCULES handling ring segment ( <i>See</i> Handling ring segment, HERCULES)		
HERCULES launching section control-indicator ( <i>See</i> Control-indicator, HERCULES launching section)		
HERCULES launching section selector ( <i>See</i> Selector, HERCULES launching section)		
HERCULES missile body hoist beam ( <i>See</i> Beam, hoist, HERCULES missile body)		
HERCULES missile body truck ( <i>See</i> Truck, HERCULES missile body)		
HERCULES monorail launcher ( <i>See</i> Launcher, monorail, HERCULES)		
HERCULES section simulator group ( <i>See</i> Simulator group, HERCULES section)		
High voltage power supply ( <i>See</i> Power supply, high voltage)		
High voltage pulse generator ( <i>See</i> Pulse generator, high voltage)		
HIPAR antenna ( <i>See</i> Antenna, HIPAR)		
HIPAR antenna radome-support-tripod ( <i>See</i> Radome-support-tripod, HIPAR antenna)		

	Paragraph	Page
HIPAR building and equipment ( <i>See</i> NIKE-HERCULES ATBM Air Defense Guided Missile System) ( <i>See also</i> Improved NIKE-HERCULES Air Defense Guided Missile System)		
HIPAR control-monitor ( <i>See</i> Control-monitor, HIPAR)		
HIPAR omni antenna ( <i>See</i> Antenna, omni, HIPAR)		
History of development.....	6	10
Hoisting unit, portable.....	56j	78
Horizontal plotting board ( <i>See</i> Plotting boards)		
Identification of targets ( <i>See</i> Targets)		
IFF mode ( <i>See</i> Targets)		
Improved NIKE-HERCULES Air Defense Guided Missile System:		
Capabilities .....	8	13
Function .....	4, 5	9, 10
Functional description .....	10	17
HIPAR building and equipment.....	21	28
Operational areas .....	14	20.2
Operating conditions .....	8d	13
Tactical application .....	7	11
Tactical control .....	58	83
Indicator, azimuth .....	24c(2)	44
Indicator, B scope.....	24c(3)	45
Indicator, elevation .....	24c(1)	43
Indicator, fault locating.....	43.1	62
Indicator, precision .....	23c(4)	39
Indicators ( <i>See</i> Guided missile launching set)		
Indicator, target range.....	24c(4)	45
Induction voltage regulator ( <i>See</i> Regulator, voltage, induction)		
Inline configuration ( <i>See</i> Radar course directing central)		
Intercommunication cabinet station ( <i>See</i> Cabinet station, intercommunication)		
Intercom system ( <i>See</i> Communications)		
Klystron amplifier ( <i>See</i> Amplifier, klystron)		
Launcher control-indicator ( <i>See</i> Control-indicator, launcher)		
Launcher, monorail, HERCULES:		
Description .....	38	56
Equipment used for testing.....	86a	99
Launching area:		
Function .....	14b	20.2
Physical layout .....	15, 16b,c,d, 36	22, 53
Launching area HERCULES missile test set ( <i>See</i> Test set, launching area HERCULES missile)		
Launching control ( <i>See</i> Guided missile, launching set)		
Launching control console ( <i>See</i> Console, launching control)		
Launching control station, trailer mounted.....	42	58
Launching-handling rail ( <i>See</i> Rail, launching-handling)		
Launching sections, NIKE-HERCULES:		
CONUS B .....	37a	55
CONUS C .....	37b	55
CONUS C modified.....	37c	55
CONUS D modified.....	37d	55
Liquid cooler .....	21c, 21.1i	28, 30.1
Local designation during blue equipment status ( <i>See</i> Equipment status)		
Local designation during red equipment status ( <i>See</i> Equipment status)		
Local setting of equipment status ( <i>See</i> Equipment status)		
Long range surveillance operator's position and duties ( <i>See</i> Director station, trailer mounted)		
LOPAR antenna-receiver-transmitter group ( <i>See</i> Antenna-receiver-transmitter group, LOPAR)		
Main fins and elevons ( <i>See</i> Missile body)		

	Paragraph	Page
Maintenance:		
Categories .....	77	95
Depot (fifth echelon) .....	80	97
Field (third and fourth echelons):		
Definition .....	79	96
Test equipment:		
Characteristics .....	84	99
Description of specific equipment .....	86	99
General .....	83	99
Purpose .....	85	99
General theory of .....	76	95
Missile support .....	81	98
Organizational (first and second echelons) .....	78	95
Technical assistance for echelons:		
Contract field technicians .....	82b	98
Maintenance technicians .....	82d	98
Manufacturer's representative .....	82a	98
Regional maintenance representatives .....	82c	98
Missile:		
Firing .....	64	86
Monitoring .....	65	87
Technical data .....	9a	15
Missile body:		
Equipment used for testing .....	86a	99
Forward section .....	45b	63
Main fins and elevons .....	45e	63
Rear section .....	45d	63
Warhead section .....	45c	63
Missile body or rocket motor cluster transporter adapter ( <i>See</i> Transporter, adapter, missile body or rocket motor cluster)		
Missile flat bed trailer M261A1 .....	56e	75
Missile guidance set group .....	86b	99
Missile guidance system ( <i>See</i> Guidance system, missile)		
Missile maintenance support ( <i>See</i> Maintenance)		
Missile radar control console ( <i>See</i> Console, missile radar control)		
Missile rocket motor hoist beam ( <i>See</i> Beam, hoist, rocket motor, missile)		
Missile track antenna-receiver-transmitter group ( <i>See</i> Antenna-receiver-transmitter group, missile track)		
Missile tracking operator's position and duties ( <i>See</i> Tracking station, trailer mounted)		
Missile tracking radar system; technical data .....	9e	16
Missile-warhead combinations .....	63	86
Missions:		
Radar bomb scoring:		
Capabilities .....	8c.1	13
Functional description .....	13.1, 14.4	19, 20.3
Surface-to-air:		
Capabilities .....	8a	13
Functional description .....	11a, 14.2	17, 20.2
Selection of warhead .....	63a, 63b	86
Surface-to-air antiaircraft:		
Capabilities .....	8.1a	14.1
Functional description .....	14.2a	20.2
Selection of warhead .....	63b	86
Surface-to-air anti-missile:		
Capabilities .....	8.1b	14.1
Functional description .....	14.2a	20.2
Selection of warhead .....	63b	86

	Paragraph	Page
Missions—Continued		
Surface-to-air low altitude:		
Capabilities .....	8b	13
Functional description .....	12	19
Selection of warhead .....	63a	86
Surface-to-surface:		
Capabilities .....	8c, 8.1c	13, 14.1
Functional description .....	13, 14.3	19, 20.3
Selection of warhead .....	63a, 63b	86
Modulator, acquisition .....	25e	47
Moving target indicator group .....	21p, 21.1g	30
NIKE-HERCULES ATBM System:		
Capabilities .....	8.1	14.1
Function .....	4, 5	9, 10
HIPAR building and equipment .....	21.1a	30
Operational areas .....	14.5	20.3
Operating conditions .....	8.1d	14.1
Overall functional description .....	14.1	20.2
Tactical application .....	7	11
Tactical control .....	58	83
NIKE-HERCULES launching sections ( <i>See</i> Launching sections, NIKE-HERCULES)		
Nomenclature .....	2d	9
Nonconsolidated site ( <i>See</i> Radar course directing central)		
Operating conditions ( <i>See</i> Improved NIKE-HERCULES Air Defense Guided Missile System) ( <i>See also</i> NIKE-HERCULES ATBM System)		
Operating power sources ( <i>See</i> Guided missile launching set)		
Organizational maintenance (first and second echelons) ( <i>See</i> Maintenance)		
Pedestal, acquisition antenna .....	25c	47
PI mode ( <i>See</i> Targets)		
Plotting boards:		
Altitude .....	23c(2), 23.1b(2)	34.1, 40.1
Early warning .....	23e	40
Horizontal .....	23c(1), 23.1b(1)	32, 40.1
Portable hoisting unit ( <i>See</i> Hoisting unit, portable)		
Power control-indicator ( <i>See</i> Control-indicator, power)		
Power distribution unit ( <i>See</i> Unit, power distribution)		
Power supply group, radar .....	24b	43
Power supply, high voltage .....	21k, 21.1b	28, 30
Power supply truck ( <i>See</i> Truck, power supply)		
PPI .....	23c(3), 23.1b(3)	38, 40.3
Precision indicator ( <i>See</i> Indicator, precision)		
Pressurizer, waveguide .....	21g	28
Procedures, emergency operating .....	71	90
Propulsion system .....	50	69
Pulse generator, high voltage .....	21l, 21.1c	30
Purpose of manual .....	1	9
Rack, handling .....	56h	75
Radar antenna support set ( <i>See</i> Support set, antenna, radar)		
Radar bomb scoring equipment ( <i>See</i> Bomb scoring equipment, radar)		
Radar bomb scoring mission ( <i>See</i> Missions)		
Radar coder set ( <i>See</i> Coder set, radar)		
Radar course directing central:		
Equipment used for testing .....	86c	100
Functional description .....	17, 18	23
Physical arrangement:		
General .....	19	25
Inline configuration:		
Consolidated site .....	20a	26
Nonconsolidated site .....	20b	26
“T” configuration .....	20.1	26



	Paragraph	Page
Radar power supply group ( <i>See</i> Power supply group, radar)		
Radar set group .....	24d	46
Radar target simulator ( <i>See</i> Simulator, radar target)		
Radar test set group ( <i>See</i> Test set group, radar)		
Radio sets ( <i>See</i> Communications)		
Radome .....	22.1a	30.1
Radome-support-tripod, HIPAR antenna .....	22a	30.1
Rail, launching-handling .....	39	56
Rear body section hoist beam ( <i>See</i> Beam, hoist, rear body section)		
Receiver group, EFS .....	21m, 21.1h	30, 30.01
Receiver-transmitter, acquisition .....	25d	47
Receiving and decoding circuits ( <i>See</i> Circuits)		
Reciprocating compressor, power driven, trailer-mounted .....	56f	75
Recorder group .....	23b	30.2
Red equipment status ( <i>See</i> Equipment status)		
Refrigerant condenser ( <i>See</i> Condenser, refrigerant)		
Regulator, voltage, induction .....	21g, 21.1m	28, 30.1
Report of completed engagements ( <i>See</i> Engagements completed, report of)		
RF harmonic filter ( <i>See</i> Filter, RF harmonic)		
Rocket motor cluster ( <i>See</i> Guided missile M I - 14A)		
Rocket motor cluster hoist beam ( <i>See</i> Beam, hoist, rocket motor cluster)		
Rocket motor cluster truck ( <i>See</i> Truck, rocket motor cluster)		
Safety provisions ( <i>See</i> Guided missile launching set)		
Scope of manual .....	2	9
Selection of targets for engagement ( <i>See</i> Targets)		
Selector, HERCULES launching section .....	41	57
Service area .....	54	73
Short range surveillance operator's position and duties ( <i>See</i> Director station, trailer mounted)		
SIF/IFF identification ( <i>See</i> Targets)		
Simulator group, flight:		
Description .....	42	61
Equipment used for testing .....	86b	99
Simulator group, HERCULES section .....	41b	58
Simulator, radar target .....	42d	61
Stabilized local oscillator .....	21d	28
Steering control circuits ( <i>See</i> Circuits)		
Step-up power transformer ( <i>See</i> Transformer, power, step-up)		
Support set, antenna, radar .....	22.1a	30.1
Surface-to-air anti-aircraft mission ( <i>See</i> Missions)		
Surface-to-air anti-missile mission ( <i>See</i> Missions)		
Surface-to-air low altitude mission ( <i>See</i> Missions) ( <i>See also</i> Equipment status)		
Surface-to-air mission ( <i>See</i> Missions) ( <i>See also</i> Equipment status)		
Surface-to-surface mission ( <i>See</i> Missions) ( <i>See also</i> Equipment status)		
Switchboard operator's position and duties ( <i>See</i> Director station, trailer mounted)		
"T" configuration ( <i>See</i> Radar course directing central)		
T1 trainer .....	27.1	50.1
Tactical application ( <i>See</i> Improved NIKE-HERCULES Air Defense Guided Missile System) ( <i>See also</i> NIKE-HERCULES ATBM System)		
Tactical control ( <i>See</i> NIKE-HERCULES ATBM System)		
( <i>See also</i> Improved NIKE-HERCULES Air Defense Guided Missile System)		
Tactical controller's position and duties ( <i>See</i> Director station, trailer mounted)		
Target radar control console ( <i>See</i> Console, target radar control)		
Target range antenna-receiver-transmitter group ( <i>See</i> Antenna-receiver-transmitter group, target range)		
Target range indicator ( <i>See</i> Indicator, target range)		
Target range operator's position and duties ( <i>See</i> Tracking station, trailer mounted)		
Target ranging radar control ( <i>See</i> Control, target ranging radar)		
Target ranging radar system; technical data .....	9d	16

	Paragraph	Page
Targets:		
Designation .....	62	86
Identification:		
FUIF .....	61a	83
SIF/IFF interrogation modes:		
Emergency .....	61b(4)	85
FLI .....	61b(3)	85
IFF .....	61b(1)	85
PI .....	61b(2)	85
Selection for engagement .....	60	83
Target track antenna-receiver-transmitter group ( <i>See</i> Antenna-receiver-transmitter group, target track)		
Target tracking radar system; technical data .....	9c	15
Technical assistance for echelons of maintenance ( <i>See</i> Maintenance)		
Technical data ( <i>See specific item</i> )		
Telephone system ( <i>See</i> Communications)		
Test equipment for field maintenance ( <i>See</i> Maintenance)		
Test set, assembly area, HERCULES missile .....	57	78
Test set group, radar .....	27	48
Test set, launching area HERCULES missile .....	43	61
Tracking station, trailer mounted:		
Description .....	24	43
Operator positions:		
Azimuth .....	28b(1)	51
Elevation .....	28b(2)	51
Missile tracking .....	28b(5)	52
Target range .....	28b(3)	52
Tracking supervisor .....	28b(4)	52
Tracking supervisor's position and duties ( <i>See</i> Tracking station, trailer mounted)		
Trailer mounted director station ( <i>See</i> Director station, trailer mounted)		
Trailer mounted launching control station ( <i>See</i> Launching control station, trailer mounted)		
Trailer mounted power driven reciprocating compressor ( <i>See</i> Reciprocating compressor, power driven, trailer mounted)		
Trailer mounted tracking station ( <i>See</i> Tracking station, trailer mounted)		
Transformer, power, step-up .....	21.1n	30.1
Transmitter control-indicator ( <i>See</i> Control-indicator, transmitter)		
Transmitting circuits ( <i>See</i> Circuits)		
Transporter adapter, missile body or rocket motor cluster .....	56d	75
Truck, forward body section .....	56b	75
Truck, HERCULES missile body .....	56a	75
Truck, power supply .....	56r	78
Truck, rocket motor cluster .....	56c	75
Unit, power distribution .....	21i	28
Warhead body section ( <i>See</i> Missile body)		
Warhead body section hoist beam ( <i>See</i> Beam, hoist, warhead body section)		
Warhead system .....	51	69
Waveguide pressurizer ( <i>See</i> Pressurizer, waveguide)		
White equipment status ( <i>See</i> Equipment status)		

# CONFIDENTIAL

By Order of *Wilber M. Brucker*, Secretary of the Army:

G. H. DECKER,  
*General, United States Army,*  
*Chief of Staff.*

Official:

R. V. LEE,  
*Major General, United States Army,*  
*The Adjutant General.*

Distribution:

*Active Army:*

To be distributed in accordance with DA Form 12-7 requirements for TM 9 Series (CLASS) Plus the following Formula:

DCSLOG (1)	1st GM Bde (50)
Tech Stf, DA (1) except	Units org under fol TOE:
CofOrd (3)	(3 copies each)
USARADCOM (2)	9-510 (CONUS Only)
USARADCOM Rgn (2)	44-544
MDW (1)	44-545
WSMR (10)	44-546
1st Msl Bn, 61st AAA (12)	44-547
1st Msl Bn 43rd AAA (12)	44-548

NG: Units org under fol TOE: 44-545 (4); 44-546, 44-547 (1).

USAR: None

For explanation of abbreviations used, see AR 320-50.

# CONFIDENTIAL

**CONFIDENTIAL**

**CONFIDENTIAL**