

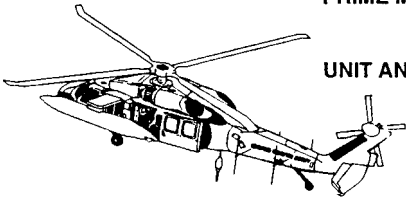
APPENDIX G

IEW SYSTEMS

QUICKFIX (AN/ALQ-151(V1)) Advanced QUICKFIX (AN/ALQ-151(V2))

FUNCTION: VHF DF intercept, VHF EA, VHF DF (nets w/TRAILBLAZER for DF). Component of IEWCs AF/VHF/UHF ES

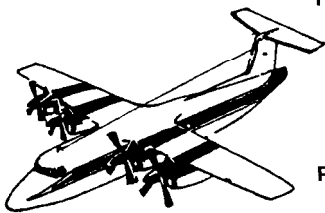
PRIME MOVER: EH-60A, EH-60L (BLACKHAWK)



UNIT AND QTY: HVY DIV: 3 Systems
3 Flt Plt, Avn Bde; LT DIV:
3 Systems, 3 Flt Plt, Avn Bde;
AASLT DIV: 3 Systems, 3 Flt
Plt, HHOC, MI Bn; ABN DIV: 3
Systems, 3 Flt Plt, Cbt Avn Sqdn;
ACR: 3 Systems, 3 Flt Plt, Cbt
Avn Sqdn

INTEL APPLICATION: COMINT

Airborne Reconnaissance Low (ARL)



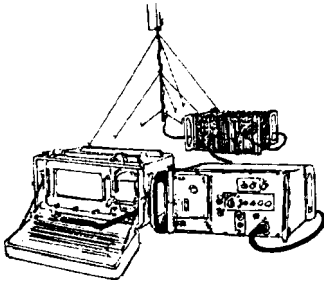
FUNCTION: Ground processing station, ACT 101 remote rcv sets, TACLINK video rcv sets, FLIR system, daylight imaging systems, infrared line scanner, radio intercept/DF systems; interoperates w/ASAS & CTT

PRIME MOVER: DHC-7 arrives ready for immediate employment

UNIT AND QTY: Select Brigades

INTEL APPLICATION: COMINT/IMINT

Commander's Tactical Terminal (CTT), AN/TSC-125



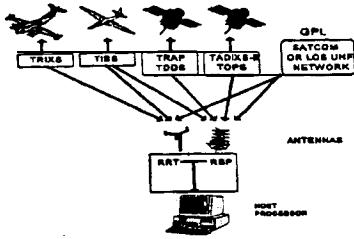
FUNCTION: Communications terminal;
 GUARDRAIL downlink on TRIXS
 network; RRS on board RC-12 &
 U2-R, RRTS; includes OT, RBP,
 RRT, LOS adaptive array antenna,
 SDS, embedded COMSEC

PRIME MOVER: NA

UNIT AND QTV: 1- MI at all echelons

INTEL APPLICATION: SIGINT

Joint Tactical Terminal: JTT/H3 (AN/USC-55)
 JTT/H-R3 (AN/USR-6)



FUNCTION: Communications terminal, 2 LRUs,
 1 RBP, 1 RRT, host processor &
 antenna array (both user provided);
 mobile & mountable in F/W & R/W,
 tracked & wheeled vehicles, shelters

PRIME MOVER: NA

UNIT AND QTY: Avn, ADA, FA, MI at all echelons;
 integrated into GSM/CGS,
 ASAS, ETRAC, THAADS,
 Patriot, JTAGS, TROJAN
 SPIRIT, AFATDDS, other
 multiservice systems

INTEL APPLICATION: SIGINT

FM 34-8-2

Ground-Based Common Sensor (GBCS)

FUNCTION: ES (intercept& DF); EA (jamming);
COMINT targeting location data;
common subsystems with AQF &
MEWSS



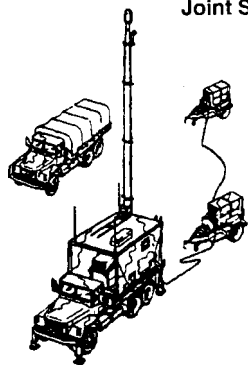
PRIME MOVER: EFVS (HVY DIV) or HVY
HMMWV (LT DIV)



UNIT AND QTY: 6 GBCS-H per MI Bn (H);
4 GBCS-H per MI Co (ACR);
4 GBCS-L per MI Bn (ABN,
AASLT, LT); 6 per MI Bn (H, LT,
ABN, AASLT, DIV); 6 per MI Co;
ACR

INTEL APPLICATION: COMINT/ELINT

Joint STARS Ground Station Module (GSM) (AN/TSQ-132)

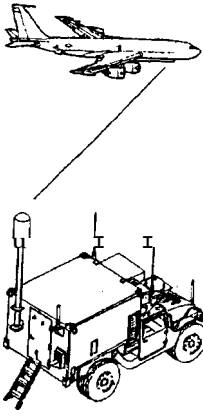


FUNCTION: MTI, FTI, SAR imagery; supports
situation development, battle mgt,
targeting, force protection, limited
BDA/TDA, operations planning

PRIME MOVER: LT - 2xHMMWV; MED - 2X5-ton
HMMWV

UNIT AND QTY: 6- Selected DIV; 6- Selected
Corps; 1- ACR; 1- EAC

INTEL APPLICATION: IMINT/SIGINT/INTEL/
ARTY/AVN SUPPORT



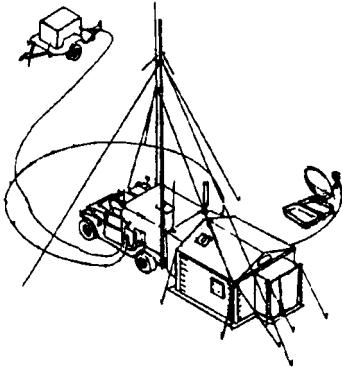
Joint STARS Common Ground Station (CGS)

FUNCTION: MTI, FTI, SAR imagery; supports situation development, battle mgt, targeting, force protection, limited BDA/TDA, operations planning; includes SATCOM & CTT communications

PRIME MOVER: LT - 2xHMMWV

UNIT AND QTY: 5 to 7- DIV; 5 to 7- Corps;
1- ACR; 1- SEP BDE; 1 to 5 EAC

INTEL APPLICATION: IMINT/SIGINT/INTEL/
ARTY/AVN SUPPORT



Integrated Meteorological System (IMETS)

FUNCTION: Receives, processes & disseminates weather data.

PRIME MOVER: Heavy HMMWV mounted

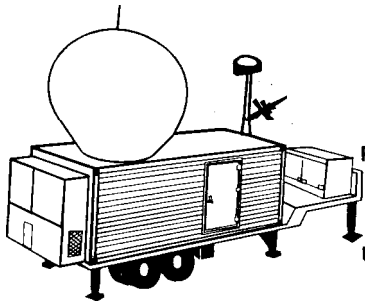
UNIT AND QTY: DIV, Corps, EAC, SEP BDE,
ACR, AVN BDE, other task organized contingencies

INTEL APPLICATION: Intelligence Support

FM 34-8-2

Advanced Electronic Processing and Dissemination System (AEPDS)

FUNCTION: Mobile, air & ground transportable comm system; receives, processes & exploits SIGINT data from multiple national, theater & organic ELINT/COMINT systems. Combines functions of EPDS & ETUT into a single downsized system



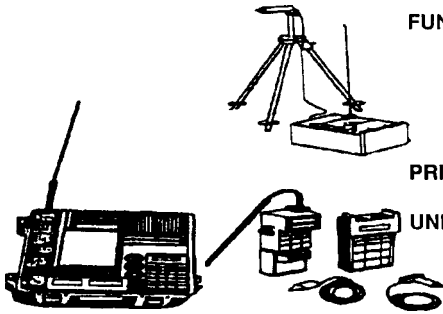
PRIME MOVER: 30 ft van pulled by a 3-axle 10-ton tractor air deployable on C-130 or larger aircraft

UNIT AND QTY: 1- Corps (rear) 1- Select MI Bde (EAC)

INTEL APPLICATION: SIGINT

Improved Remotely Monitored Battlefield Sensor System (IREMBASS)

FUNCTION: Unattended ground sensor (seismic/acoustic, magnetic, infrared, meteorological) that detects, classifies & determines direction of movement



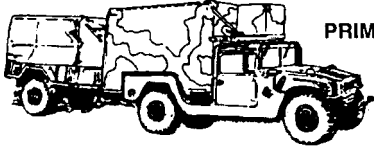
PRIME MOVER: Manpacked and vehicle

UNIT AND QTY: LT DIV - 5 (GS Plt, I&S Co, MI Bn); ASSLT DIV - 5 (GS Plt, I&S Co, MI Bn); ABN DIV - 5 (GS Plt, MI Co (Fwd Spt), MI Bn)

INTEL APPLICATION: MASINT

Mobile Integrated Tactical Terminal (MITT)

FUNCTION: Replaces THMT & FAST-I in force structure; compatible w/TROJAN, MSE, TIBS, DIN/DSSCS, STU III, TENCAP; TRAP/TADIXS-B, UHF SATCOM, S-BAND w/ROTERM/CHARIOT



PRIME MOVER: Mobile, ground, air transportable (heavy duty HMMWV, cargo HMMWV, generator trailer, C-130, CH-47)

UNIT AND QTY: DIV and Corps ACE - 1

INTEL APPLICATION: SIGINT/IMINT

Tactical Unmanned Aerial Vehicle (TUAV) - OUTRIDER

FUNCTION: Operates fwd of FLOT, in all conditions; provides NRT intel, recon, battlefield survl, color E-O camera, FLIR, plug-in optronic payload; future payloads: MTI, SAR, comm/ noncomm DF, intercept, jamming; MET

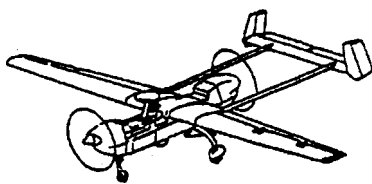


PRIME MOVER: C-130 or larger, roll-on/roll-off; ground equipment mounted on HMMWVs

UNIT AND QTY: 3 - HVY/AASLT DIV; 5 - LT DIV;
3 - ABN DIV; 3 - ACR; 5 - LT
ACR: 1 - SEP BDE

INTEL APPLICATION: IMINT/SIGINT/PSYOP

Unmanned Aerial Vehicle-Short Range (UAV-SR) HUNTER



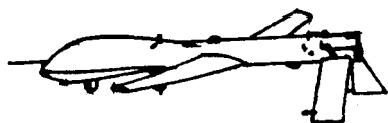
FUNCTION: Operates fwd of FLOT, in all conditions; provides NRT intel, recon, battlefield survl, color CCD, TA, BDA, recon, battlefield survl, E-O/FLIR, UAV data relay; future payloads: MTI, SAR, MET, ES, EA, mine detection, PSYOP, SIGINT, NBC recon

PRIME MOVER: NA

UNIT AND QTY: Not fielded. For training use only

INTEL APPLICATION: IMINT/SIGINT/PSYOP

Unmanned Aerial Vehicle (UAV)-Endurance PREDATOR



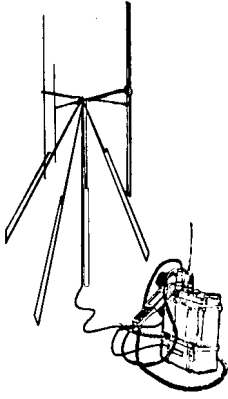
FUNCTION: Operates as stand-off system in all conditions, behind friendly lines; can penetrate into enemy territory; payloads: E-O/FLIR, MTI/SAR, SIGINT, MET, PSYOP, NBC recon, comm/data relay

PRIME MOVER: 2 C-141s or multiple C-130s

UNIT AND QTY: USAF Asset - Deployed in support of Joint Operations

INTEL APPLICATION: IMINT/SIGINT/PSYOP

Lightweight Man-Transportable Radio Direction Finding System (LMRDFS) AN/PRD-12



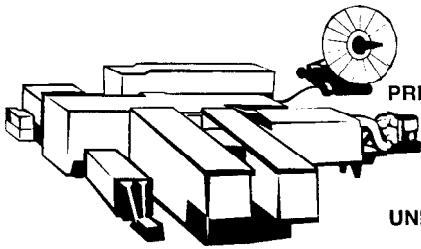
FUNCTION: Lightweight manportable comm intercept/DF system; on emitter location missions, works w/TEAMMATE; ideal in LT, ABN, AASLT, SOF opns; rapid relocation; optimizes collection in fwd AO; CNR for external comm

PRIME MOVER: Manpacked; 60 lbs, carried by 2 soldiers

UNIT AND QTY: 1 - LT ABN; 3 - HVY/AASLT DIV; 3 - ACR; 1 - SEP BDE; 7 - SOF BN; 10 - SOF SA

INTEL APPLICATION: COMINT

Modernized Imagery Exploitation System (MIES)



FUNCTION: NRT IMINT; provides exploitation/exploitation mgt, receipt, reporting, SID, archive of imagery & reports; replaces IPDS

PRIME MOVER: 40 ft hardcopy/softcopy exploitation van; 35 ft SATCOM van; 35 ft receive location van; air deployable, C-141, C-5

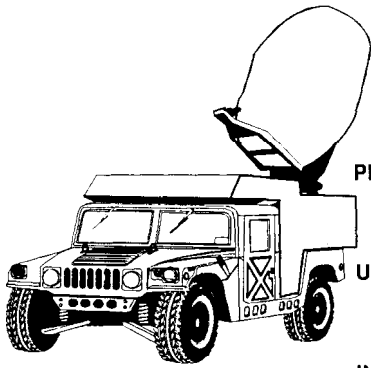
UNIT AND QTY: Selected MI Bde

INTEL APPLICATION: IMINT

FM 34-8-2

TROJAN SPIRIT (AN/TSQ-190V)

FUNCTION: Satellite terminal; intel processing/dissemination, secure voice, data, GPS, FAX, LAN wkstns, video, SID; receive, display, transmit digital imagery, weather/terrain products among CONUS/OCONUS & deployed

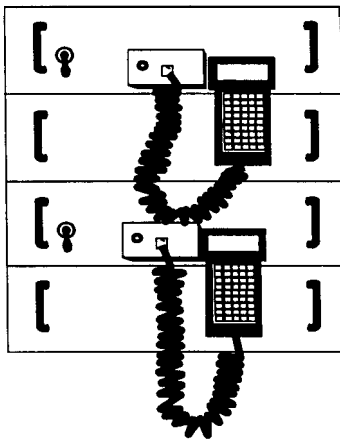


PRIME MOVER: Mounts on 2 heavy variant HMMWVs; tactical SATCOM trailer

UNIT AND QTY: Connectivity: Ft Belvoir TROJAN switching center for worldwide deployment

INTEL APPLICATION: IMINT/SIGINT/CI/ HUMINT/Intelligence Support

Synthetic UHF Computer-Controlled Equipment Subsystem (SUCCESS) UHF Radio



FUNCTION: Auto microprocessor UHF band radio; used w/TENCAP; simultaneous comm when stacked; 2 XMIT/6 RCV channels; SATCOM, point-to-point, TADIXS-B, direct data downlinks; comm w/abn, terrestrial & satellite systems; contains TRE processor

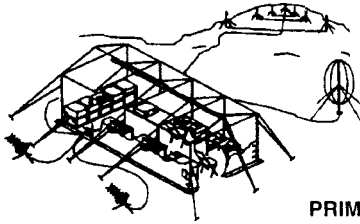
PRIME MOVER: Designed for ground/mobile sheltered environments

UNIT AND QTY: Demand assigned multiple access

INTEL APPLICATION: Intelligence Support

Enhanced TRACKWOLF (AN/TSQ-199)

FUNCTION: Targets HF jammers/emitters; 3 netted or stand-alone stations; produces COMINT, TACREPs; spts EAC w/organic long-distance comm resources; open architecture; scaleable tier I-III; external comm via SINGARS LPI VHF radio, DIN, DSSCS, TROJAN SPIRIT II, SSP-SIGINT, CROSSHAIR, UHF MIL SATCOM (DF Flashnet)



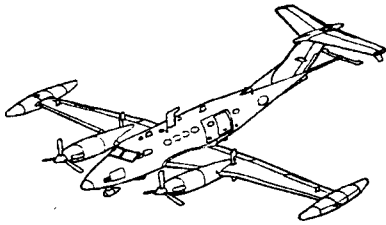
PRIME MOVER: NA

UNIT AND QTY: Special missions at EAC

INTEL APPLICATION: COMINT

Guardrail Common Sensor (GRCS)

FUNCTION: Collects, identifies, classifies, locates radio signals; provides NRT reporting; gathers LOB & TDOA data; ARF relays platforms btwn IPF & cmds; incorp CHAALS; interfaces w/fixed locations & tactical users; future; expanded coll, LPI capability, embedded trng, 3-channel CTT, retrofit, and auto reporting



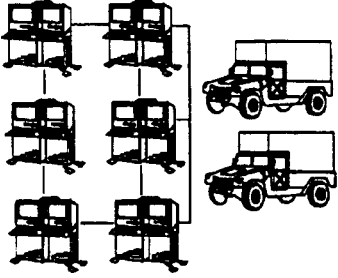
PRIME MOVER: Self-deployable; 4 - IPF vans;
3 - IDL trackers

UNIT AND QTY: 1 - Corps AEB

INTEL APPLICATION: ELINT/COMINT

FM 34-8-2

All-Source Analysis System (ASAS)



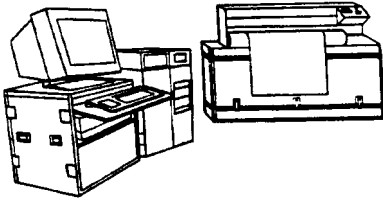
FUNCTION: Provides auto intel, info & interface data handling for cdrs & ATCCS/FLCS users; includes IEW sensors, preprocessors, ASAS & FLCS, ABCS HW/SW & info mgt; RWS operates outside ACE

PRIME MOVER: CUCV/HMMWV 5-ton

UNIT AND QTY: 1 ACE set - EAC, Corps, DIV, Sep Bde, ACR; 1 ASAS-RWS at each Bn, Bde & required collateral locations EAC-DIV

INTEL APPLICATION: COMINT/ELINT/IMINT/CI/HUMINT

Digital Topographic Support System Multi-Spectral Image Processor (DTSS/MSIP)



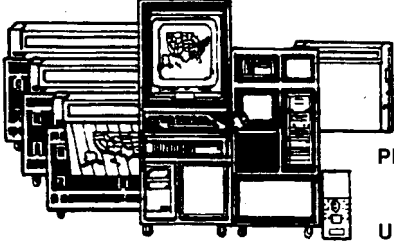
FUNCTION: Automates terrain TM; produces terrain anal prod; improves response time for IPB; collocated w/ASAS; msg traffic thru MSE; generates/updates multi-spectral imagery; contains 3-D visualization, scanning, map-sizing printer

PRIME MOVER: NA

UNIT AND QTY: 1 DIV Terrain TM; 2 - EAC/Corps Terrain TM

INTEL APPLICATION: IMINT/Intelligence Support

**Digital Topographic Support System Quick Response
Multicolor Printer (DTSS/QRMP)**



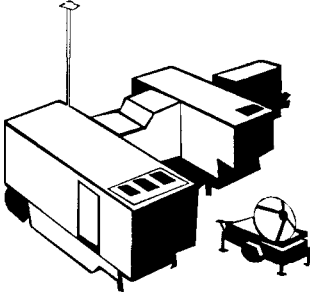
FUNCTION: Automates terrain TM; produces terrain anal prod; improves response time for IPB; collocated w/ASAS; msg traffic thru MSE; provides digital data/terrain anal from battlefield in hard/soft copy

PRIME MOVER: Tactically mobile; 2 LMS-788/ga shelters; 2 HMMWV-H

UNIT AND QTY: 1 DIV Terrain TM; 2 - EAC/Corp Terrain TM

INTEL APPLICATION: IMINT/Intelligence Support

Enhanced Tactical Radar Correlator (ETRAC)



FUNCTION: Advanced mobile SAR processor; receives data from ASAR-2 via U2-R; converts radar to imagery; limited organic exploit for stand-alone opns; includes SUCCESS radio, TENCAP CSP; STU-III, DSVT

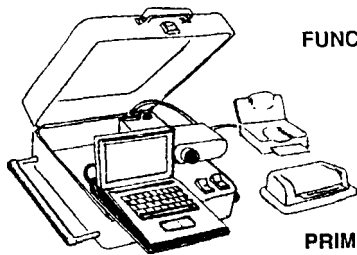
PRIME MOVER: Air deployable via C-130, C-141, C-5

UNIT AND QTY: XVIII ABN Corps and V Corps

INTEL APPLICATION: IMINT

FM 34-8-2

CI/HUMINT Automation Tool Set (CHATS)

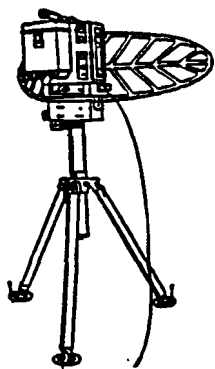


FUNCTION: Provides direct access into CI/HUMINT collateral LAN; uses INMARSAT, TROJAN SPIRIT, SINGARS, MSE, DSN & phone lines; 2-way data comm; secure FAX; future: GPS, cellular comm, power mgt

PRIME MOVER: 2-manportable cases

UNIT AND QTY: 66th MI Group, Augsburg, GE

INTEL APPLICATION: CI/HUMINT



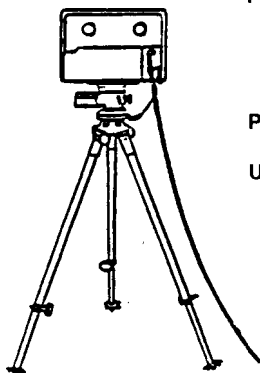
AN/PPS-5B

FUNCTION: Moving Target Indicators
Range:
6 km-Personnel
10 km-Vehicle

PRIME MOVER: Manpacked and vehicle

UNIT AND QUANTITY: HVY DIV: 12 systems
4/GSR Squad (3)
Survl Plt, I&S Co., MI Bn

AN/PPS-15A



FUNCTION: Moving Target Indicators
Range:
1.5 km-Personnel
3.0 km-Vehicle

PRIME MOVER: Manpacked and vehicle

UNIT AND QUANTITY: LT DIV: 12 systems
3/GSR Squad (4)
Surv'l Plt, I&S Co., MI Bn

ASSAULT DIV; 8 systems
3/GSR Squad (3)
Surv'l Plt, I&S Co., MI Bn

ABN DIV: 9 systems
3/I&S Plt (3)
MI Co., (Fwd Spt), MI Bn