

# 213<sup>th</sup> ENGINEERING INSTALLATION SQUADRON



## **LINEAGE**

602nd Signal Construction Company federally recognized in 1948  
Redesignated 213<sup>th</sup> Communications Construction Squadron, 1952  
Redesignated 213<sup>th</sup> Ground Electronics Engineering Installation Agency Squadron Jan 1959  
Redesignated 213<sup>th</sup> Electronics Engineering Squadron, 1 May 70

## **STATIONS**

Roslyn ANGS, NY  
Stewart ANGB, NY

## **ASSIGNMENTS**

## **COMMANDERS**

## **HONORS**

**Service Streamers**

**Campaign Streamers**

**Armed Forces Expeditionary Streamers**

**Decorations**

## **EMBLEM**

### **EMBLEM SIGNIFICANCE**

The unit emblem was designed by Walt Disney in the mid fifties. The orange and blue signify the state colors. The blue and yellow (For Gold) signify the Air Force colors.; The orange and white signify the roots of communication that originated in the U.S. Army Signal Corps. The lightning bolts signify electronics, the open wire transmission lines signify the telephone and antenna communication mission. Donald in Air Force Blue signifies the presence of the unit on

Long Island which is noted for their famous duck.

## **MOTTO**

## **NICKNAME**

## **OPERATIONS**

The 213th Engineering Installation Squadron provides for the engineering, Installation, and removal, and relocation of ground communication-electronics systems, and to provide for emergency and programmed, mobile, on-site, maintenance and modification of these systems. The unit also responds to National Guard Bureau taskings.

To plan, engineer, install and sustain timely, efficient and effective C4I solutions that will enable the war fighter to achieve victory at any level of conflict.

Unit was first formed on 2 Jun 48, as the 602nd Signal (L) Construction Company at Floyd Bennett Field, NY. At the time the unit only had two officers and 12 enlisted members.

1 Jul 52 – Officially redesignated from 602nd (L) Construction Squadron to 213th Communication Construction Squadron. Unit also had grown in manpower to 6 officers and 96 enlisted troops

1952 – M-16 Training

1956 – The number of authorized Air technicians for the 213th CCS was only at 3 permanent slots and one temporary clerk/typist. A manpower survey conducted by the Air Staff did authorize an additional vehicle maintenance position due to the pending increase of the number of authorized vehicles to 36. The additional Education technician position was not authorized at that time. At the time the report was accomplished, the unit only had the following number of vehicles: 10 Trucks, 1 forklift, and 2 trailers

Jan 1959 – Officially redesignated from 213 CCS to 213GEEIA. A short time later, the unit moved to its present location at Roslyn ANG Station, after the 26th Air Division left in Feb 1959.

1965 – 213 GEEIA officially took over the control of the Roslyn Station Cable system and was planning to overhaul it.

1966 – First overseas deployment for the unit to France in support of “Operation fast Race”

1969 – Annual General Inspection which the unit was highly commended on the following areas: Vehicle Operations, Individual and Team training, Unit Personnel Records Group, Mobility Folders, Publication Reference Library, Unit Welfare Funds, Custodian Property, Supply records and Discipline, Troop Inspection, and General Military Training. This inspection was one of the best under command of Col Healy.

Participation in Project Oriental Fast Race, deploying to places like Okinawa, Deshima, Hawaii

Participation in NYANG Bowling tournament, and placed second in DMNA bowling tournament. Unit members also participated in ANG Bowling Tournament in Minneapolis, Minn.

The 213th GEEIA squadron was the only GEEIA unit to be called into federal service during this year. This was to aid in the postal strike. The unit was only on standby and did not report to any post office.

1973 – Installation of temporary communication system in support of the Boy Scouts of America Camporee, held at Camp Wanwepex, Wading River, NY

1976 – Member made emergency repairs to cable during two snow storms

Lt Col Bianco retires from the 213th, Col Montagano takes over as squadron commander

213th is mobilized during state ice storm emergency to help LILCO to restore power

Opened Roslyn Station to the local community during severe ice storm to provide shelter and heat to those who do not have any at their residences

Members of Outside plant accomplished community service work for the Wading River Boy Scouts Camp, digging holes and setting telephone poles for the boy scouts

1982 – 213 Electronics Installation Squadron officially becomes 213th Engineering Installation Squadron under special order G-39, dated 16 Nov 82, effective 24 Dec 82

1983 - 16 unit members participated in the Durim Parade in Brooklyn, NY. Also other members from 274th CMBT Spt Grp, 152nd TACGP, 552nd AF Band, and the members of the 106th ARRGP, Suffolk Couty NY

Engineering worked three schemes in connection with the 105th TASGP re-locate to Stewart ANGB, NY

Members deployed to Fire Island National Park to assist park rangers in placing buried AC power cables

Members of Outside Plant assisted US Navy “Sea Bees” in installation and repair of TV antennas in base housing at Mitchel Field, NY

Members of 213th help construct a self-help playground for the Roslyn Heights Elementary School

Lt Col Gilchrist assumes command of the 213th squadron

1984 – Unit members restore power to Montauk AFS, NY after a severe winter storm

Members participated in Healthy Comet V stayed in Europe

1985 – Members of the workload control attended the Z-100 computer familiarization course at Griffiss AFB, NY for the EIMS system

Col Lewis takes over as squadron commander

Members of the Cable Splicing participated in Winter/Cimex 87 exercise at RAF Mildenhall, UK

Most unit members participated in Healthy Comet VIII

The 213th EIS participated in Air Force Communications Command Exercise HEALTHY COMET IX in 1988. In June, 57 members deployed to England to train with their active duty counterparts.

1989 – Change of command ceremony, Col Borjes took command from Col Lewis who was relocating to California

Ground Radio Material Control, Wire section, Material Control, and Engineering relocated their offices to Bldgs 29 and 30 in preparation for Bldg 1's demolition. This area will make way for new combined C-E and combat communications building. During the inspection, ground radio received a commendable mention on how all equipment was quickly moved and reinstalled at the new location Unit members assisted NYC Technical college in installing Fiber Optic equipment

1990 – Assisted NYC technical college to setup a first of its kind telecommunication laboratory and provided a hands-on intro course to several NYC technical college professors in Fiber Optic technologies

The base tried to save itself from being closed, and even hired a lawyer to help it stay open, but it did not succeed and in July 2000, the base finally shut its doors for good. Most of the units moved to upstate locations. The 213th moved to Stewart ANG Base, in Newburgh NY, and the 274th moved to Syracuse ANGB, NY.

Big Savings in Radar Move: The New York Air National Guard's 213th Engineering Installation Squadron at Stewart ANGB will lead a project to move research radars at Rome, N.Y., to Wright-Patterson AFB, Ohio. By tapping the 213th EIS, which will lead a team of ANG engineering installation and RED HORSE units from Massachusetts, Mississippi, Ohio, Oklahoma, and Pennsylvania, the Air Force expects to save up to \$30 million. Dismantling of the four, highly specialized radars is slated to start next month and be completed by late September. The team then must construct three 100-foot towers and install the radar systems at their new location, work expected to be done by September 2011. BRAC 2005 directed move of Sensor Directorate activities at Rome to Wright-Patterson. 2010

National Guardsmen from six states have potentially saved the Air Force some \$31 million by stepping up to move a radar research tower from Rome, N.Y., to Springfield ANGB, Ohio. Mandated under BRAC 2005, the Air Force Research Lab set out to consolidate four radar towers near Wright-Patterson AFB, Ohio. With initial contract estimates as high as \$35 million, AFRL sensors directorate officials turned to the New York Air National Guard's 213th Engineering Installation Squadron in 2007. Harnessing Air Guard manpower from across the nation, the squadron estimated that it could complete the project for just \$4.2 million. In late May, the Air Guardsmen, supported by active duty airmen, completed the disassembly, move, and reassembly process at Springfield, all for \$600,000 under the unit's cost projection. "The underlying theme behind BRAC is achieving savings for the taxpayers. This effort is one of our biggest success stories to date," said Frank Albanese, AFRL's BRAC director. 2011

#### Deloyments/projects

1949 – Dover, Delaware

1950 – Convoy from Floyd Bennett Field to 3 bases:

Grenier AFB, New Hampshire

Otis AFB, Mass.

Groton, Connecticut

1954 – Rome, New York

1954 – Syracuse, New York

1955 – Hancock Field, New York

1956 – Schenectady, New York – Installation of telephone cable

1958 – Griffiss AFB, NY – Installation of Outside Plant Cable and Communications

1959 – Cape Canaveral, FL

1960 – Cape Canaveral, FL – Erection of Outside Plant communications and Radar Tower

1962 – Hancock Field, Syracuse, NY – Installation of AN/FTC – 18 Dial PBX

1963 – Cape Canaveral, FL

1964 – Patrick AFB, Fl – Installation of Cable Facilities

Griffiss AFB, NY – Repair and modification of Electronic and Crypto Equipment

Olmstead AFB, FL – Repair and modification of Electronic and Crypto Equipment

Niagra Falls ANGB, NY – Installation of an AN/F80 Dial PBX system

Roslyn ANG Station, NY

Indian Town Gap Military reservation, Anneville, PA

1965 – Cape Canaveral, FL – Install all types of launch control equipment  
Schenectady County Airport, NY – Extensive repairs to Outside Plant Cables

1966 – Chateauroux AS and Chambley AB, France – In support of Operation “Fast Race”, to remove all Communication and meteorological and weather equipment prior to base shut down in Apr 1967

1968 – Loring AFB, Maine – Installation of permanent traffic recorder  
Schnectady ANG Base, NY – Installation of secondary Base Communication System  
Griffiss AFB, NY – Rehab of Antenna Farm

1969 – Eglin AFB, FL – Work on Transmitters, Facsimile machines, PA systems, and line amplifiers

1970 – Lajes Field, Azores – Erected antennas in support of the Base Communication System  
Langley AFB, VA – Support of Base Communication System  
Niagra Falls, NY – Perform emergency IRAN on an FTC-18 Base telephone system  
Suffolk County Airport, NY – Installed Base Communication System for the 106th Air Refueling Wing after The wing had transferred from the USNAS, Brooklyn, NY to Suffolk County Airport, NY  
Scott AFB, Ill – IDEM study performed on base autovon system  
Bradley Field, Conn – Emergency IRAN procedures performed on FTC –18 Base telephone systems  
Westchester County Airport, NY – Emergency repairs on base telephone Systems

1971 – Hancock Field, NY – Emergency repairs on AN/FTC – 18  
Suffolk County Airport, NY – Emergency repair of snapped cable

1972 – Plattsburgh AFB, NY – PMIs on receiver and control tower equipment  
Syracuse ANG Base, NY – Rehab of Base Cable system  
Andrews AFB, MD – Installation of RG-11 cable in the HQ Wing and Alert Hanger  
Randolf AFB, VA – Installation of RG-11 cable in the HQ wing and Alert Hanger  
Chanute AFB, IL – Review existing IRAN requirements and determine the need for new outside plant procedures  
Suffolk ANG Base, NY – Assemble and install main distribution frame (MDF), perform IRAN of FTC-18 and started permanent cable throw  
Dover AFB, Delaware – QA Visit (CWO McGowan)  
Wright-Patterson AFB, Ohio – Cable modification  
Hill AFB, Utah – Installation of base telephone system

1973 – Dover AFB, Delaware – One man augmentation to 485th technicians in installing ILS system (AN/GRN-27)  
McGuire AFB, NJ – One man augmentation to 485th technicians in installing ILS system (AN/GRN-27)  
Sembach AFB, GE – One man augmentation to 2nd Mobile Communication Group for inventory of War readiness supply kits

Chanute AFB, IL – One man augmentation with the 1963rd Communication Squadron for installing the 1A1 key systems

Griffiss AFB, NY – One team augmentation to 485th technicians for IRAN of rigid radio transmission cable and cable throw at the Officers Club and repair leaks. Also participation in Operation Rivet Switch at various locations

Plattsburgh AFB, NY – Performed pre-IRAN procedures on Base meteorological equipment cables

Richards-Gebaur AFB, Missouri – Newly formed Engineering branch attended first conference to obtain information on mobility requirements for the section

New Castle ANGB, Delaware – Engineering section field trip to assist in development of scheme package to relocate X-Y telephone Central office and installation of AN/FTC-18 and base communications

Hill AFB, UT – Installation of autovon trunks and associated equipment

Wright-Patterson AFB, UT – Rehab of Base cable systems

Grissom AFB, Indiana – Pre-IRAN of Base cable systems

1974 – Westover AFB, MA – Pre-IRAN of AN/FRC-19 control tower and TACAN Equipment

Andrews AFB, MD – Installation of Aerial and buried cable systems

Loring AFB, Me – Rivet Switch installing of radio receivers and transmitters

K.I. Swayer AFB, MI – Rivet Switch installing of radio receivers and transmitters

Baudette AFS, MN – Rivet Switch installing of radio receivers and transmitters

Wright-Patterson AFB, OH – Rivet Switch installing of receivers and transmitters

McLellan AFB, CA – SSILS interface scheme

Muniz ANGB, Puerto Rico – Installation of Direct-buried cable

Niagra Falls ANGB, NY – Installing 75Ohm coaxial cables and removal of buried cable

Schenectady ANGB, NY – Installed rigid coaxial cable system for base CCTV support

Selfridge ANG Base MI – Installation of autovon in-dial and trunk-hunting connectors in Base Central Office

Griffiss AFB, NY – Video Cable installation

Site Surveys at Syracuse, Muniz ANGB, Byrd Field ANGB, VA, Schenectady, Suffolk County ANGB, Griffiss AFB, Lindsey AFS, Zwiebruken AFB, GE (CCTV), and Wright-Patterson AFB (CCTV)

1975 – Griffiss AFB, NY – Rivet Switch

Hancock Field, NY – Installation of base cable

Sarasota AFS, NY – Rivet Switch

APO Seattle, 1995 Communications Squadron – Repair Damaged cable

1976 – Montauk AFS, NY - Rehab of Master Television System

Griffiss AFB, NY – Installation of antennas and cable system

Plattsburgh AFB, NY – MDMs on transmitter and receiver sites

Westover AFB, Mass – Pre-MDM on transmitter and receiver sites

1977 – Phelps-Collins ANG Base, Michigan – Installation of Control tower equipment

Andrews AFB, MD – Installation of base communication cable to Million Dollar Consolidated Base Personnel Office

Griffiss AFB, NY – Installation of new cable to base gym and removal of portions of aerial cable  
Niagra Falls, NY – Project Rivet Switch  
Vandenburg AFB, CA – Cable upgrade project

1978 – Muniz ANGB, Puerto Rico – test for Autovon System  
Syracuse ANGB, NY – Installation of AN/FTC-18 scheme  
McGuire AFB, NJ – Complete Antenna MDM  
Montauk AFS, NY Replace power cable for lights from AN/FBS-35  
Gibbsboro, NJ – Maintenance assistance at GATR Site  
Plattsburgh AFB, NY – Antenna Pre-MDM  
Westchester ANGB, NY – Maintenance assistance of AN/FTC-18 telephone system  
Hancock ANGB, NY – Semi-annual PMI of GATR antennas  
Elmendorf AFB, AK – Antenna relocation scheme

1979 – Schenectady ANGB, NY – Site survey for two telephone poles (Engineering)  
Syracuse ANGB, NY – Site Survey for CCTV System and Cable scheme (Engineering)  
Camp Santiago, Puerto Rico – Engineering cable scheme  
Westchester County Airport – Project Rivet Switch  
Montauk AFS, NY – Antenna GATR Site  
McGuire AFB, NJ – Antenna maintenance assistance  
Roslyn ANGS, NY – VCSS Project  
Hill AFB, UT – cable expansion of Base Central Office  
Syracuse ANG Base, NY – Repair Base telephone system  
Riverhead, NY – PIS, Arctic Tower Installation, JSS Site  
San Vito AS, Italy – Autovon control circuit scheme  
Muniz ANGB, Puerto Rico – PIS for Cable scheme  
Ft Drum, NY – maintenance assistance on communication cables for the US Army  
Communication Command  
Pease AFB, NH – Control tower relocation  
Wright-Patterson AFB, Ohio – Augment 2046CIG/ISW in 600 line dial central office expansion  
Suffolk County ANGB, NY – Site Survey for Cable Survey

1980 – Riverhead, NY – JSS Site, Riverhead, NY – Arctic tower project  
Westchester County airport, NY – Pre-MDM – AN/FTC-18  
Schenectady ANGB, NY – Site Survey Cable Schemes  
McGuire AFB, NJ – Depot-level maintenance of UHF/VHF ground-to-air antennas  
Burlington IAP, Vermont – Install 700 feet of buried cable  
Westchester County Airport, NY – Depot Level Maintenance on telephone central equipment  
Office  
Grissom AFB, Indiana – Installation of Base Intrusion system on base (SAFERAMP)  
Hill AFB, UT – Completed splices of buried cable  
Offut AFB, Nebraska – Removal of 200 line cable from Base Hospital  
Syracuse ANGB, NY – Installation of telephone and coaxial cable in support of base CCTV  
system  
Niagra Falls ANGB, NY – Installation of telephone and coaxial cable in support of base CCTV  
system



Fire Island US coast Guard Station, NY – Removal of 16 miles of unused aerial cable (ongoing)  
Montauk AFS, NY – Maintenance on Ground-to-air transmitter/receiver (MATR) site. GATR is associated with AC+W radar at Montauk

1981 – Niagra Falls IAP, NY – Pole installation scheme in support of base CCTV system  
Fire Island Coast Guard Station, NY – removal of 16 miles of unused aerial cable  
Hancock Field, NY – Pre-MDM (Mobile Depot Maintenance) on AN/FTC-18  
Nellis AFB, NV – Relocation of console, canopy and communication equipment  
Westover AFB, MA – MDM on base Communication antennas  
OTIS AFB, MA – Installation of Solid-state ILS system  
Pope AFB, NC – Installation of Ground-to-Air Radio installation  
Griffiss AFB, NY – Augmentation of workload control at 485th EIG and rehabilitation of base telephone system  
Montauk AFS, NY –Pre-MDM of Ground-to-Air transmitter/receiver (GATR) site for the 21st Air Division  
McGuire AFB, NJ – Site Survey for antenna installation  
Schenectady ANGB, NY – Base Telephone setup and CCTV expansion  
Gibbsboro AFS, NJ – Removal of Ground-to-Air radio equipment  
Suffolk County ANGB, NY – Pre-Installation Survey (PIS) for Communication/Engineering Scheme  
Westchester ANG Station, NY –Repaired defective switches and relay on FTC-18 telephone equipment  
Syracuse ANG Station, NY – reroute overhead telephone cables

1982 – Hancock Field, Syracuse, NY – Engineering site surveys for relocation of GRC-171  
Westchester County ANG Base, NY – Maintenance of AN/FTC-18, Base telephone system  
Fire Island Coast Guard Station, NY – Remove 16 miles of unused aerial cable (ongoing)  
Suffolk County ANGB, NY – Installation of telephone cable for base alarm  
Schenectady ANGB, NY – Installation of CCTV and telephone cable  
JSS Site, Riverhead, NY –PIS for installation of Ground-to-air-to ground equipment  
Niagra Falls IAP, NY – Engineering survey for Cable splicing scheme, CCTV Cables scheme, and assist in radio control head re-location scheme  
Montauk AFS, NY – Removal of AS-726 Antennas for the deactivation of the 21st Air Division  
Griffiss AFB, NY –Engineering site survey for the Recorder in SAC post  
Malstrom AFB, MT – Removal of Arctic Tower system  
Mountain Home AFB, ID – Locate trouble in cable GMQ-13, associated with base radar  
Stewart ANGB, NY –Site survey of facilities in preparation for relocation of the 105th TASG from Westchester County Airport to Stewart ANGB, NY  
Grand Forks AFB, MD – Installation of security system cable  
McClellan AFB, NY – 490L rehabilitation of Base Autovon System

1983 – Suffolk County ANG Base, NY – repair damaged cable struck by truck  
JSS Site, Riverhead, NY – Installation of new stairs in Arctic Tower for 21st Air Division  
Fire Island Coast Guard Station, NY – Removal of 16 miles of aerial cable (on-going)  
Montauk AFS, NY – MDM on Antennas at GATR site  
Mountain Home AFB, ID – Installation of MDM GMQ-13 weather cable

Stewart ANG Base, NY – Cables and antenna installation and radio relocation from Westchester County airport, NY to Stewart ANGB, NY  
Wright-Patterson AFB, OH – Removal of “Area B” DLO (Central Office)  
Schenectady ANGB, NY – relocation of long-wire antenna and installation of new distribution frame for telephone.  
Aviano AB, IT – Tower and metro-cable installation  
Al Conbury RAF, UK – Autovon telephone system  
Montauk GATR site, Riverhead, NY – Annual PMI  
Scott AFB, Ill – Remove area “B” DCO  
Comiso AB, IT – Erect 60 foot radio tower for Armed Forces Radio Service  
Niagra Falls IAP, NY – Cable installation for new electronics building  
Kelly AFB, TX – Pre-assembly of SSCS (ANG-37G) OJT-314  
Tinker AFB, OK – Testing of telephone cable in the warehouse  
Suffolk County Airport, NY – Assisted 106th communication flight in checking and re-aligning downed guy wires on radio tower  
Montauk AFS, NY – removal of UHF antennas and associated equipment

1984 – Roslyn ANG Station, NY – Installed the base FTC-18 in building 1 and performed maintenance on Base cable and pressure systems  
Whiteman AFB, MO – PIS on support cabling for AN/GSQ-99 Central Communication and AN/GSQ-199 sensors  
Schenectady County Airport, NY – PMI on antennas  
Ramstien AB, GE – Installed Cables  
Camp New Amsterdam, the Netherlands – MDM on defective telephone cables  
Hancock Field, NY – Augment the 274th in exercise Yankee Sentry  
Sembach AB, GE – Installation of Antenna/Cable on control tower  
Griffiss AFB, NY – Performed engineering survey  
Loring AFB, ME – Augment the 485th EIS  
McClellan AFB, CA – Build an Communication Control System  
RAF Fairford, UK – Dual Install Radios  
Roslyn ANG Station, NY – Preparation for Base Open House  
Plattsburgh AFB, NY – Relocation of UHF/VHF radios  
Hancock Field, NY – Perform site survey  
Ft Drum, NY – Perform site survey  
JSS Site, Riverhead, NY – MDM on AS 1097 antennas  
Suffolk County Airport, NY – Relocation of CE Radio and AN/GRC-171 Radios

1985 – Niagra Falls, NY – Site Survey for CCTV cable expansion  
Lockport AFS, NY – Site Survey for RS antenna (air-to-ground AS-3473/G type  
Edwards AFB, CA – Site Survey  
Roslyn ANG Station, NY – Installation of cable at building 25 and building 6  
McClellan AFB, CA – Pre-assembly of SSCS (Standard Communication Control Systems)  
Control Tower for Offut AFB  
Stewart AFB, NY – Site Survey and installation of special purpose computer cables in Bldg 122  
Suffolk County ANGB, NY – Installation of CCTV systems  
Eglin AFB, FL – Installation of communication cables to SADS “X” facility site A21A

Mather AFB, CA – Cable relief expansion  
Griffiss AFB, NY – Removal of SSB Voice Ground-to-Air Radio  
Langley AFB, VA – Site Survey for installation of WWCCS (Worldwide Military Command and Control System)  
Atlantic City Arpt, NJ – Engineering assist for new Base Cable  
Elmendorf AFB, AK – Scope Signal III  
Rein-Main AB, GE – Installation of Events Recorder  
Yokota AB, and Camp Zama AB, JP – Installation of AARTS (Automated Audio Remote Test Set)  
Travis AFB, CA – Relocation of AN/GMW-13 cloud height sensors

1986 – Muniz ANG Base Puerto Rico – Site Survey to relocate a cross-feed EPABX-800 switch from Muniz AB to Misawa AB, Japan  
McClellan AFB, CA – Installation of Automated Audio Test Set (ARRTS)  
Andrews AFB, MD – Installation of Automated Audio Test Set (ARRTS)  
Brooks AFB, TX – Installation of the Communication cable to bldg 570  
Schenectady County Airport, NY – PMIs on AT 197 Antennas  
K.I.Sawyer AFB, MI – Installation of GSQ-199 Communication Central Equipment  
Suffolk County ANG Base, NY – Site Survey for FRN-45  
JSS Site, Riverhead, NY – Installation of JSS panel  
Wright-Patterson AFB, OH – Cable to BCE compound C  
Bitburg AB, GE – removal of scope dial/ETS

1987 – Laporte, TX – Deployment to Healthy Comet VIII  
Kapaun AB, GE  
Sembach AB, GE  
Aviano AB, IT  
RAF Mildenhall, UK  
Detachment 1, 438MAW, Goose Bay, Labrador Canada – Installation of Cable to squadron ops building  
Stewart IAP, NY – Site Survey for UHF Radio and Pacer Radio installation  
Lackland AFB, TX – Site Surveys for Cable installation  
Edwards AFB, CA – Site Survey  
Willow Grove NAS, PA – review of radio section operations  
Niagra Falls IAP, NY – Work on Circuit Rider, CCTV and CBC  
Griffiss AFB, NY – Relocation of pilot to dispatcher facility radio  
Schenectady ANG Base, NY – Relocation of telephone poles

1988 – RAF Mildenhall, UK – Healthy Comet Preparation  
Griffiss AFB, NY – Engineering review of Cable to POL facility  
Punta Salinas, P.R. – Installation of Spectrum Monitor  
FT Allen, P.R. – Installation of RF Cables and connectors  
Stewart ANGB, NY – Installation of CCTV System  
Schenectady ANG Base, NY – Annual PMI on equipment and cable expansion to new facility  
Niagra Falls IAP, NY – Restart cable and CCTV coax to the squadron operations building  
Malstrom AFB, MT – Install and test new GRN-29 system

1989 – Stewart IAP, Newburgh, NY – Radio Relocations  
Hahn AB, FRG – Cable installations  
Ramstein AB, FRG – Installation of ILS System  
Phelps-Collins ANGB, MI – Installation of patch panel  
Sagami Depot, Japan – Install Patch panel  
Spangdalem AB, FRG – Relocation of TRN-297 Glidescope and installation of computer cables  
Wright-Patterson AFB, OH – Cable rehabilitation  
Hill AFB, UT – Installation of Patch test facility  
Dover AFB, Delaware – Repair of GMQ-13 weather cable  
Brandywine, Maryland – Upgrade the test and patch facility  
Port Canaveral, FL – Installation of digital modems and time diversity multiplexers on-board  
USNS Redstone

1991 – Langley AFB, VA – PIS of radio equipment  
Toledo Express Apt, OH – Site Survey of Engineering project  
CSR-USNSHIP O.I, portland Oregon – Installation of RX Remote Control  
Vandenburg AFB, CA – PIS at WSMC facility  
RAF Mildenhall, UK – Weather Indicator Relocation  
Zaragoza, Spain – SARAH-BCC-AID Installation  
Savannah, GA – Wideband Equipment Test/Transfer  
Langley AFB, VA – Performed ILS Augmentation  
Vandenburg AFB, CA – Desert Storm Support from 4 members of unit  
JSS Long-Range Site, Salem, Oregon – Project Circuit Rider  
Ft Knox, KY – FMQ-B Installation  
Suffolk County Apt, NY – Cable Installation Assistance  
Nellis AFB, NV – Project Site Survey on AN/GSH-56/57 Recorder/Reproducers  
Tyndall AFB, FL – Augmentation to 211th EIS of their on-going project  
Cape Cod, MA – Perform training on the AN/GSU-39 Antenna Equipment  
Niagra Falls ANGB, NY – Install Fiber Optic cable  
Ft. Drum, NY – Performed first-ever live workload combined with mobility exercise in 26 years  
Stratton ANGB, NY – Performed maintenance assistance for equipment located at the site  
Stewart ANGB, NY – Install Pacer Bounce Radios  
Schenectady ANGB, NY – Emergency Cable Repair  
Edwards AFB, CA – Installation of KGR-66 Radios

1992 – Otis AFB, MA – Site Surveys for future projects  
Tyndall AFB, Fl – Installation of OJ-314 Radios  
Toledo Express, OH – Cable to Composite Bldg  
Stratton ANGB, NY – Site surveys for future projects  
Stewart ANGB, NY Cable Installation  
Rhein Main AB, GE – Installation of Communication equipment  
Ft. Campbell, KY – Site Survey for future communications projects  
Stratton ANGB, NY – Installation of cable connection to Aerial Port  
Moron AB, Spain – Antenna Installation , AN/FMQ-13 Wind Measurement Set Installation,  
ANG/GMQ-34

#### Cloud Indicator and Barometer Installation

Torrejon AB, Spain – Microwave Equipment Removal  
McGuire AFB, NJ – Antenna PMIs (Preventative Maintenance Inspections)  
Stratton ANGB, NY – CCTV Cable and LAN Installations  
NASO, Philadelphia, PA – Installation of Fiber Optic Cable  
Ft. Drum, NY – Participation in Healthy Delta Exercise  
Tyndall AFB, FL – Cable Installation  
Otis AFB, MA – Delivery of Electronic Equipment for Calibration  
McGuire AFB, NJ – FMQ-13 Sensor Installation  
Memminger AFLD – Installation of Regency Net Antennas  
Buchel AS, GE – Installation of Regency Net Antennas

1993 – Stratton ANGB, NY Cable Installation –  
Holloman AFB, NM – Radio Console Modification  
Schenectady ANGB, NY Site Survey for future projects  
Lajes Field, Portugal – Installation of WSC-3, VRC-46 and PC-3 Radios  
Stewart ANGB, NY – Cable Repair and Installation  
RAF Croughton, UK – Damaged Boom Removal  
Stratton ANGB, NY – Installation of LAN Network Cable  
Dover AFB, DE – Site Survey for future projects  
Schenectady ANGB, NY – Installation of LAN Network Cable  
Ramstein AB, GE – Participation in mobility exercise combined with LIVE workload  
RAF Mildenhall, UK  
Bad Kreuznach, GE –  
Soesterburg AB, GE  
Vogelweh AS, GE  
Rhein Main AB, GE  
Sembach AB, GE  
Landtudhul AB, GE

1995 – Stewart ANGB, NY – Installation of Communication Equipment  
Jacksonville Naval Air Station, FL – Site Survey  
Site 53, Israel – Site Survey  
Westover AFB, MA – Site Survey  
Stratton ANGB, NY – Participation in USAF counterdrug Interdiction program  
Sakara AB, Egypt – Installation of TACAN/Tower/Antenna ILS, Non-directional Beacon (NDB),  
Directional Finders (DF), Automated Weather Observation System (AWOS), UHF/VHF Radios (Low and High-power), Digital Microwave Radio Links, and Weather Satellite Receiver  
Aduhamad, Egypt – Installation of Automated Weather Observation System  
Albany, NY – HF Antenna Installation  
Ft Hamilton, NY – Cable/Telephone upgrade to bldg 407, US Army Security Police and UHF Antenna Installation in support of USAF Drug Interdiction Program  
Gabreski ANGB, NY – TACAN Installation and replacement of FRN-45 Antenna Replacement  
Roslyn ANGS, NY – Cable Repair due to storm  
Aviano AB, IT – Area “A” Cable Upgrade

St. Vito AS, IT – AN/FMQ-12 Ionospheric Sounding Range Installation  
RAF Alconbury, UK – Removal of AN/GPN-22 and AN/GPN-20 Approach and Surveillance Radar  
East Northport, NY – Cable Telephone Installation  
Hanscom AFB, MA – F.O. Cable Installation  
Spangdahlem AB, GE – Digital Lightning Detection System  
Westover AFB, MA – AMC-C2 HF System Engineering  
Jacksonville, FL – Tactical Secure Voice Program Engineering  
Lajes Field, PO – Cable Television System Engineering Survey  
Kaala AFS, HI – Grounding Retrofit and signal and RF Cable removal  
Wheeler AAF, HI – Antenna PMI, UPS installation and grounding Retrofit  
Hickam AFB, HI – Fiber Optic Cable Installation to Bldgs 2125 and 1073. Manning Assist to correct LAN installation discrepancies  
Mt Weather, VA – FEMA Support  
Sembach AB, GE – 1200 pr Cable to 16AF HQ Bldg  
Ramstein AB, GE – Cable 12 Upgrade  
Ruppertsweiler AB, GE – Cable to Security police, CCTV upgrade, and cable upgrade  
Rhein Main AB, GE – Installation of Fiber Optic Cable for Base LAN, Key System Installation in Bldgs 81 and 83, and telephone system upgrade  
Langer AB, Ramstein AB, Sembach AB, Hofenfeld AB, Houten AB, and Keizerveers AB in GE, BE, and NL –  
Antenna repairs and installations at multiple locations  
Abu Hamad EAB, Egypt, - Automated Weather Observation System  
Buechel MUNSS, GE – Cable to Security Bldg  
Ramstein AB, GE – Cable to Weather System and cable to precision approach radar  
Spangdahlem AB, GE – Installation of Fiber Optic Cable and cable to chapel  
Incirlik AB, TK – Base LAN Installation  
Spandlchamp, BE – Removal of Clock Monitor and Installation  
Ben Ahim, BE – Removal of Clock Monitor and installation  
Ramstein AB, GE – LAN Installation  
Schonfeld AB, GE – Global Positioning System  
Spangdahlem AB, GE –  
Adenau AB, GE –  
Sembach AB, GE –  
CEMO, Albany, NY – Tower installation  
Sakara AB, Egypt – Installation of Communication Equipment  
Vitodei, Normanni, IT – Project Installation  
Moron AB, SP – Project Installation  
RAF Alconbury, UK – Project Installation  
Aviano AB, IT – Installation of various projects  
Hickam AFB, HI – Cable Antenna Installations  
Ruppertsweiler Underground Facility, (UGF), GE – Project installation  
Stratton ANGB, NY – CA-02 Cable upgrade

1996 – Mountain Home AFB, ID – Installation and testing of Fiber Optic Cable throughout the base

Hancock Field, NY – STEM Site Survey  
Stratton ANGB, NY, and Thule AB, Greenland – STEM Support to Area 6  
177FS, Pleasantville, NJ – Complete Antenna PMI  
Warren Grove Range, NJ – Complete Antenna PMI  
Niagra Falls, NY – Electronics Installation and FMC-C2 IPS Installation  
Ramstein AB, GE – Pre-Installation Survey (PIS) for future electronics Installation  
Incirlik AB, TK – LAN Installation  
Moron AB, SP – LAN Installation  
Hickam AFB, HI – PIS and workload coordination. GRC-171 Installation  
Osan AB, Korea – PIS and Site Survey  
Hickam AFB, HI – PIS and Site Survey  
Incirlik AB, TK – LAN Installation and Operation Provide Comfort (Cable Project Installation)  
Ramstein AB, GE – Cable to Bldg 2406 and SW area  
Ghedi AB, IT – Cable Plant Rehabilitation  
Pisa AB, IT – Communication Cable Installation  
Lajes Field, Azores – Installation of equipment for the Integrated Logistics System  
Sigonela NAS, IT –  
Sakara AB, Egypt –  
Westover AFB, MA – Communications Installations  
Spangdahlem AB, GE – Support of Exercise EMERALD COAST  
Stratton ANGB, NY – Communications Equipment installations  
Stewart ANGB, NY – Cable installation  
Hanscom AFB, MA – Communications Equipment Installations  
Elmendorf AFB, AS – Antenna installation  
Ruppertsweiler AB, GE – Cable upgrade and repair at RUF 1  
Hickam AFB, HI -  
McGuire AFB, NJ –

1997 – Kangerlussaug, Greenland – Installation of Communication Equipment  
Araxos AB, Greece – Base LAN Installations and CAT 5 Wiring  
Incirlik AB, TK – Lan Installations  
McGuire AFB, NJ – CITS projects  
Hurlburt AFB, FL – CITS Projects and CAT 5 Wiring  
Aviano AB, IT – Cable to Ammo Igloos  
Ghedi AB, IT – PIS on the Regency Net Project and Cable Upgrade  
Araxos AB, Greece – Communications project installations  
Moron AB, Spain – Cable Installation and CITS distributions  
Kaala HI – Height Finder Radar Removal  
Wheeler AFB, HI – Antenna PMIs  
Honolulu, HI – Cable installation for Civil Emergency Management Office (CEMO), antenna removals/PMIs, and Wireless LAN for CEMO  
Kokee, HI – Antenna PMIs  
Osan AB, Korea – CAT 5 Wiring  
Kadena AB, Japan – Cat 5 wiring  
Hickam AFB, HI – Tower Installation survey  
Ft Drum, NY – Deployable LAN Engineering Installation (Global Apache Exercise)

## Rome, NY – CCTV Upgrade



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Air Force Order of Battle

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Sources