

Region 9 Army MARS Training Topics for “on-the-air” use

TRAINING TOPIC – Overview of common Routing Indicators

LESSON INTENT – To Provide a review of Common used Routing Indicators.

REFERENCES – AM-6 Annex B – JOINT MARS ENTERPRISE - Dec 2017
AM-6 ANNEX G – MARS GLOBAL ADDRESS BOOK - May 2018

QUESTIONS -

1. What is the RI (Routing Indicator) for HQ Army MARS FT Hauchuca AZ?
2. What is your RI as a MARS Station in CA,AZ,NV?
3. If you were sending a message to UHWHHCP and you were assigned to the position of the CA Tributary Relay, what would be your RI?
4. What is the RI for the Region 9 RJMOG?

EXPECTED TIME TO DELIVER – 50 Minutes

CONTENT OUTLINE & KEY POINTS –

1. Level of Routing Indicators
 - HQ USAF MARS – HQ USARMY MARS
 - Collective Address Groups
 - Joint Net Managers
 - Shared Resources HF Program (SHARES)
 - Canadian Forces Affiliated Radio System (CFARS)
 - FEMA Emergency Response Support (MERS)
 - Special User
 - Civil Air Patrol
 - USNorthCom
 - Training Exercise Address
 - Primary Relay Stations(NSN)
 - Major Relay Stations (Trans-Global Net)
 - Intermediate (ALE) Relay Stations
 - Region Routing lists

Region 9 Routing List

| PLAIN LANGUAGE ADDRESS | ROUTING INDICATOR | ALE ADDR. | ALE TRUNK | RADIO CALL SIGN | INSTRUCTIONS | RESTRICTIONS |
|-----------------------------------|-------------------|-----------|-----------|-----------------|---|--------------|
| ALL MARS STATIONS | UHXWWV | | | | Route to: ALL MARS in Region | |
| ALL ARMY MARS | UHXHHH | | | | Route to: ALL AMARS in Region | |
| ALL AIR FORCE MARS | UHXVW | | | | Route to: ALL AFMARS in Region | |
| ALL MARS BROADCAST | UHXWCF | | | | Route to: Minor Relay Station Broadcast RI | |
| ALL RJMOG | UHXWROG | | | | Route to: Region RJMOG | |
| MARS REGION NINE MINOR RELAY | UHWXBCM | WXB | WEST | HIGH CARD INDIA | | |
| Broadcast RI | | | | | (RI assigned for routing in-station) | |
| REGION NINE RJMOG | UHWBWC | WVB | | | | |
| MARS STATION AAR9 __ | UHWHB __ | 9 __ AAR | WEST | varies | RI includes the two letter abbreviation of the respective | |
| MARS STATION AFA9 __ | UHWVB __ | 9 __ AFA | WEST | varies | state in which the MARS station is located | |
| MARS ARIZONA TRIBUTARY STATION | UHWXBAZ | XAZ | | | | |
| RJMOG ARIZONA SECTION | UHWBBAZ | WAZ | | | | |
| MARS CALIFORNIA TRIBUTARY STATION | UHWXBCA | XCA | | | | |
| RJMOG CALIFORNIA SECTION | UHWBBCA | WCA | | | | |
| MARS NEVADA TRIBUTARY STATION | UHWXBNV | XNV | | | | |
| RJMOG NEVADA SECTION | UHWBBNV | WNV | | | | |
| MARS HAWAII TRIBUTARY STATION | UHHXBHI | XHI | | ABM6 | | |
| RJMOG HAWAII SECTION | UHHWBHI | WHI | | | | |

CONUS Traffic Diagram Titles

- a. Red Circle – Primary Relay Station – National Support Network
- b. Black Circle – Major Relay Station (JOG) - Trans-Global Network
- c. Yellow Circle – Intermediate Relay Station – ALE Network
- d. Black Triangle – Minor Relay – Region Level Stations
- e. Black Square – Tributary Relay – State Level Stations

ROUTING INDICATORS

G-1 US AIR FORCE AFSPC 38 CYRS / SCM / HQ AIR FORCE MARS

| PLAIN LANGUAGE ADDRESS | ROUTING INDICATOR | ALE ADDR | ALE NETWK | RADIO CALL SIGN | INSTRUCTIONS | RESTRICTIONS |
|--------------------------------|-------------------|----------|-----------|-----------------|--------------|--------------|
| HQ AIR FORCE MARS SCOTT AFB IL | UHCVHCP | | | | | |
| CHIEF AIR FORCE MARS | UHCVHC | VHC | | | | |

G-2 US ARMY NETCOM CUOPS / HQ ARMY MARS

| PLAIN LANGUAGE ADDRESS | ROUTING INDICATOR | ALE ADDR | ALE NETWK | RADIO CALL SIGN | INSTRUCTIONS | RESTRICTIONS |
|---|-------------------|----------|-------------------|-----------------|-----------------------|--------------|
| HQ ARMY MARS FT HUACHUCA AZ | UHWHHCP | R01 | WEST, SOUTH, EAST | DESERT EAGLE | | |
| FTH Broadcast System | UHWHHCF | R01 | WEST, SOUTH, EAST | | | |
| ARMY MARS PROGRAM MANAGER / CHIEF ARMY MARS | UHCHBPM | R91 | SOUTH | AAA6A | relay through UHCXBCM | |

G-3 COLLECTIVE ADDRESS GROUPS

Refer to instructions and restrictions.

| PLAIN LANGUAGE ADDRESS | ROUTING INDICATOR | ALE ADDR | ALE NETWK | RADIO CALL SIGN | INSTRUCTIONS | RESTRICTIONS |
|-----------------------------|-------------------|----------|-----------|-----------------|--|---|
| ALL RJMOG | UHXWROG | | | | Relay to: UHEWAC, UHEWBC, UHEWCC, UHEWDC, UHCWAC, UHCWBC, UHCWCC, UHWWAC, UHWWBC, UHWWCC | The only authorized users of this address is US ARMY NETCOM, USAF 33 CYRS/SCM, and the DOD special user |
| ALL MARS BROADCAST | UHXWCF | | | | Relay through: UHWHHCF, UHEXCF, UHCXCF, UHWXCF, UHHXCF, UHEXACF, UHEXBCF, UHEXCCF, UHEXDCF, UHCXACF, UHCXBCF, UHCXCCF, UHWXACF, UHWXBCF, UHWXCCF | The only authorized users of this address is US ARMY NETCOM, USAF 33 CYRS/SCM, and the DOD special user |
| ALL MARS STATIONS | UHXWWW | | | | Deliver to all MARS stations on all nets | The only authorized users of this address is US ARMY NETCOM, USAF 33 CYRS/SCM, and the DOD special user |
| ALL AIR FORCE MARS STATIONS | UHXVVV | | | | Deliver to all AF MARS stations on all nets | The only authorized users of this address is US ARMY NETCOM, USAF 33 CYRS/SCM, and the DOD special user |
| ALL ARMY MARS | UHXHHH | | | | Deliver to all Army MARS stations on all nets | The only authorized users of this address is US ARMY NETCOM, USAF 33 CYRS/SCM, and the DOD special user |

G-4 SHARED RESOURCES HF PROGRAM (SHARES)

| PLAIN LANGUAGE ADDRESS | ROUTING INDICATOR | ALE ADDR | ALE NETWK | RADIO CALL SIGN | INSTRUCTIONS | RESTRICTIONS |
|-------------------------|-------------------|----------|------------|-----------------|---|--|
| HQ SHARES WASHINGTON DC | UHEXNCS | KDG34 | SHARES ALE | KGD34 | Messages addressed to this RI shall be relayed to the SHARES program office radio room unless otherwise indicated in the office code following the PLA. | Messages originated from this RI will be from the SHARES program office radio room or approved alternate facility. |

G-5 CANADIAN FORCES AFFILIATED RADIO SYSTEM (CFARS)

| PLAIN LANGUAGE ADDRESS | ROUTING INDICATOR | ALE ADDR | ALE NETWK | RADIO CALL SIGN | INSTRUCTIONS | RESTRICTIONS |
|--------------------------------|-------------------|----------|-----------|-----------------|--|---|
| CFARS WEST MAJOR RELAY STATION | UCUSCM | 991 | NORTH | CIW991 | Route all US originated traffic with RI beginning with UC to: UHEW, UHCW, UHWW for relay to Canada | Used for cross border traffic relay between Canada and the United States. |
| CFARS CENT MAJOR RELAY STATION | UCUSCM | 992 | NORTH | CIW992 | | |
| CFARS EAST MAJOR RELAY STATION | UCUSCM | 993 | NORTH | CIW993 | | |

G-6 FEMA MOBILE EMERGENCY RESPONSE SUPPORT (MERS)

| PLAIN LANGUAGE ADDRESS | ROUTING INDICATOR | ALE ADDR | ALE NETWK | RADIO CALL SIGN | INSTRUCTIONS | RESTRICTIONS |
|------------------------|-------------------|----------|-----------|-----------------|------------------------------|---------------------------|
| FEMA MERS MAYNARD | UHEXAFM | FM1FEM | | | | |
| FEMA MERS FREDERICK | UHEXCFM | FM3FEM | | | | |
| FEMA MERS THOMASVILLE | UHEXDFM | FM4FEM | | | | |
| FEMA MERS DENTON | UHCXBFM | FM6FEM | | | | |
| FEMA MERS DENVER | UHWXAFM | FM8FEM | | | | |
| FEMA MERS BOTHELL | UHWXCFM | FM0FEM | | | | |
| FEMA NRCC | UHEXCFN | | | | Route Through Frederick MERS | NRCC has no HF capability |

G-7 SPECIAL USER

| PLAIN LANGUAGE ADDRESS | ROUTING INDICATOR | ALE ADDR | ALE NETWK | RADIO CALL SIGN | INSTRUCTIONS | RESTRICTIONS |
|---|-------------------|----------|-----------|-----------------|----------------------------|--|
| DOD SPECIAL USER (Collective, non specific) | UHXXX | | | | Route to: UHEX, UHCX, UHWX | |
| DOD SPECIAL USER TRAINING ADDRESS | UHXXXT | | | | Route to: UHEX, UHCX, UHWX | Training address. Used in exercises and training when actual delivery is simulated |
| DOD SPECIAL USER | UHXXXA – UHXXXV | | | | Route to: UHEX, UHCX, UHWX | |

G-8 CIVIL AIR PATROL

| PLAIN LANGUAGE ADDRESS | ROUTING INDICATOR | ALE ADDR | ALE NETWK | RADIO CALL SIGN | INSTRUCTIONS | RESTRICTIONS |
|------------------------------------|-------------------|----------|-----------|-----------------|----------------------------|--------------|
| HQ CIVIL AIR PATROL MAXWELL AFB AL | UHXCAP | | | TRIBLADE | Route to: UHEX, UHCX, UHWX | |

G-9 USNORTHCOM

| PLAIN LANGUAGE ADDRESS | ROUTING INDICATOR | ALE ADDR | ALE NETWK | RADIO CALL SIGN | INSTRUCTIONS | RESTRICTIONS |
|----------------------------|-------------------|----------|-----------|-----------------|-------------------|--------------|
| USNORTHCOM PETERSON AFB CO | UHWXANC | NC6 | WEST | AAM8N | Route to: UHWXACM | |

G-10 JOINT NET MANAGERS

| PLAIN LANGUAGE ADDRESS | ROUTING INDICATOR | ALE ADDR | ALE NETWK | RADIO CALL SIGN | INSTRUCTIONS | RESTRICTIONS |
|--|-------------------|----------|-----------|-----------------|------------------|--------------|
| NSN JOINT NETWORKS OPERATIONS GROUP | UHCWDNN | WNN | SOUTH | RADIOMAN | Route to UHEXDCM | |
| TRANSGLOBAL JOINT NETWORK OPERATIONS GROUP | UHEWATG | WTG | EAST | HIGHCARD | Route to UHEXACM | |

G-11 PRIMARY RELAY STATIONS (NATIONAL SUPPORT NET)

| PLAIN LANGUAGE ADDRESS | ROUTING INDICATOR | ALE ADDR | ALE NETWK | RADIO CALL SIGN | INSTRUCTIONS | RESTRICTIONS |
|-------------------------------|-------------------|----------|-----------|------------------|--------------------------------------|--------------|
| PRIMARY RELAY STATION EAST | UHEX | HEX | EAST | HIGH CARD XRAY | | |
| EAST Broadcast RI | UHEXCF | | | | (RI assigned for routing in-station) | |
| PRIMARY RELAY STATION CENT | UHCX | HCX | SOUTH | HIGH CARD YANKEE | | |
| CENT Broadcast RI | UHCXCF | | | | (RI assigned for routing in-station) | |
| PRIMARY RELAY STATION WEST | UHWX | HWX | WEST | HIGH CARD ZULU | | |
| WEST Broadcast RI | UHWXCF | | | | (RI assigned for routing in-station) | |
| PRIMARY RELAY STATION PACIFIC | UHHX | HHX | WEST | ABM6 | | |
| PAC Broadcast RI | UHHXCF | | | | (RI assigned for routing in-station) | |

G-13 INTERMEDIATE RELAY STATIONS (NATIONAL SUPPORT NET)

| PLAIN LANGUAGE ADDRESS | ROUTING INDICATOR | ALE ADDR | ALE NETWK | RADIO CALL SIGN | INSTRUCTIONS | RESTRICTIONS |
|---------------------------------------|-------------------|----------|-----------|-------------------|--|--------------|
| INTERMEDIATE RELAY STATION NORTH EAST | UHEM | HEM | EAST | HIGH CARD UNIFORM | Supports Regions 1, 2, 3 & 5 Guards ALE NETWORK NORTH | |
| INTERMEDIATE RELAY STATION SOUTH EAST | UHSM | HSM | SOUTH | HIGH CARD OSCAR | Supports Region 4 | |
| INTERMEDIATE RELAY STATION CENTRAL | UHCM | HCM | SOUTH | HIGH CARD VICTOR | Supports Regions 6 & 7 | |
| INTERMEDIATE RELAY STATION NORTH WEST | UHNM | HNM | WEST | HIGH CARD QUEBEC | Supports Regions 8 & 10 Guards ALE NETWORK NORTH | |
| INTERMEDIATE RELAY STATION SOUTH WEST | UHWM | HWM | WEST | HIGH CARD WHISKEY | Supports Region 9 | |

G-14 MAJOR RELAY STATIONS (TRANS-GLOBAL NET)

| PLAIN LANGUAGE ADDRESS | ROUTING INDICATOR | ALE ADDR | ALE NETWK | RADIO CALL SIGN | INSTRUCTIONS | RESTRICTIONS |
|--------------------------------|-------------------|----------|-----------|------------------|--------------|--------------|
| MAJOR RELAY STATION CONUS EAST | UHEW | HEW | EAST | HIGH CARD ROMEO | | |
| MAJOR RELAY STATION CONUS CENT | UHCW | HCW | SOUTH | HIGH CARD SIERRA | | |
| MAJOR RELAY STATION CONUS WEST | UHWV | HVV | WEST | HIGH CARD TANGO | | |

G-22 REGION 9 ROUTING LIST

Addresses and collective addresses which must be guarded:

| PLAIN LANGUAGE ADDRESS | ROUTING INDICATOR | ALE ADDR | ALE NETWK | RADIO CALL SIGN | INSTRUCTIONS | RESTRICTIONS |
|--|-------------------|----------|-----------|-----------------|--------------------------------------|---|
| ALL MARS STATIONS | UHXWWW | | | | Route to: ALL MARS in Region | |
| ALL ARMY MARS | UHXHHH | | | | Route to: ALL AMARS in Region | |
| ALL AIR FORCE MARS | UHXVVV | | | | Route to: ALL AFMARS in Region | |
| ALL MARS BROADCAST | UHXWCF | | | | Route to: Minor Relay Sta Brdcast RI | |
| ALL RJMOG | UHXWROG | | | | Route to: Region RJMOG | |
| Routing Indicators for Addresses within the Region | | | | | | |
| MARS REGION NINE MINOR RELAY | UHWXBCM | WXB | WEST | HIGH CARD INDIA | | |
| Broadcast RI | UHWXBCF | | | | (RI assigned for routing in-station) | |
| REGION NINE RJMOG | UHWWBC | WVB | WEST | | | |
| MARS STATION AAR9 __ | UHWB__ | 9__AAR | WEST | varies | | RI includes the two letter abbreviation of the respective state in which the MARS station is located. Note AMARS stations are ABM6 in Hawaii |
| MARS STATION AFA9 __ | UHWV__ | 9__AFA | WEST | varies | | |
| MARS ARIZONA TRIBUTARY STATION | UHWBAZ | XAZ | WEST | | | |
| RJMOG ARIZONA SECTION | UHWBBAZ | WAZ | WEST | | | |
| MARS CALIFORNIA TRIBUTARY STATION | UHWBCA | XCA | WEST | | | |
| RJMOG CALIFORNIA SECTION | UHWBBCA | WCA | WEST | | | |
| MARS NEVADA TRIBUTARY STATION | UHWBNV | XNV | WEST | | | |
| RJMOG NEVADA SECTION | UHWBNNV | WNV | WEST | | | |
| MARS HAWAII TRIBUTARY STATION | UHXBHI | XHI | WEST | ABM6 | | |
| RJMOG HAWAII SECTION | UHWBHI | WHI | WEST | | | |

OCONUS Routing List

G-24 OCONUS ROUTING LIST

Addresses and collective addresses which must be guarded:

| PLAIN LANGUAGE ADDRESS | ROUTING INDICATOR | ALE ADDR | ALE NETWK | RADIO CALL SIGN | INSTRUCTIONS | RESTRICTIONS |
|------------------------|-------------------|----------|-----------|-----------------|-------------------------------|--------------|
| ALL ARMY MARS | UHXHHH | | | | Route to: ALL AMARS in Region | |
| ALL MARS BROADCAST | UHXACF | | | | Route to: UHFACF | |

Routing Indicators for Addresses

| | | | | | | |
|------------------------------------|---------|-----|--|------|--|--|
| MARS GERMANY TRIBUTARY STATION | UHFXAGE | XGE | | AEM1 | | |
| MARS AFGHANISTAN TRIBUTARY STATION | UHQXAAF | XAF | | | | |
| MARS GUAM TRIBUTARY STATION | UHHXAGQ | XGQ | | ABM3 | | |
| MARS JAPAN TRIBUTARY STATION | UHHXAJA | XJA | | ABM1 | | |
| MARS KOREA TRIBUTARY STATION | UHHXAKS | XKR | | ABM4 | | |
| MARS MARSHALL ISLANDS TRIB STN | UHHXARM | XRM | | ABM3 | | |

* The STANAG 1059 two digit country code is used in the RI for OCONUS Tributary Stations.