PROVISION OF RADAR DATA DISPLAYS FOR THE EASTERN CARIBBEAN STATES/TERRITORIES'/CAR RADAR DATA DISPLAYS-RDS" EASTERN CARIBBEAN RADAR DATA SHARING REQUEST FOR INFORMATION (RFI)

QUESTIONS AND ANSWER SET 03

1. Which is the WAN underlying technology (Metro Ethernet, IP-MPLS, VPLS, ATM, Frame-Relay, etc.)?

Answer: The underlying WAN technology for the English speaking islands is IP-MPLS. LIME is the service provider and there is a LIME managed router at each location. Connection to the French islands is Metroe (Layer 2 VLAN) on the GCN/SCF network. Connectivity to San Juan is done by IPLC (Serial Connection). TTCAA routers connect via IPSEC tunnels within the service provider WAN connection.

2. Which is the interface (E1, T1, Ethernet, etc.) to the AFS Network at each User State?

Answer: All interfaces like Barbados Radar interface are RS232. All these interfaces are expected to be Ethernet shortly. Martinique is currently Ethernet.

3. Is the interface to the AFS Network, single or redundant?

Answer: Single.

4. Is IP multicast forwarding supported on the WAN?

Answer: Yes. See below example of ping: . BAR 10.200.254.17 responds to Mcast ping from PCO CAA_POS_CME01_S_2921#ping 224.9.2.250

Type escape sequence to abort.
Sending 1, 100-byte ICMP Echos to 224.9.2.250, timeout is 2 seconds:

Reply to request 0 from 10.100.11.33, 8 ms
Reply to request 0 from 10.200.254.17, 12 ms
Reply to request 0 from 10.100.11.33, 8 ms
CAA_POS_CME01_S_2921#

5. The Tenderer understands that access devices (Router, Modem, etc.) to the E/CAR AFS Network are provided by the customer, please confirm.

Answer: Yes, the access devices that may be required are to be provided by the Tenderer. The MPLS router is provided by the TTCAA at each site.

6. Please clarify for each site if local surveillance data are available and if so, please specify protocol

Answer: Yes, surveillance data will be available at each site. The data provided will be MRT Data however the system must be capable of processing all the required formats.

7. Please confirm the following site layout and connections considerations:

   a) WAN access devices are located in the equipment room for each site

Answer: WAN equipment may be on the communication room or in another equipment room different were the radar display is to be implemented. Site survey shall clarify this situation on a case by case basis.

   b) For each site, there will be enough space to accommodate the new provision in the equipment room.

Answer: Site survey shall clarify this situation on a case by case basis.

   c) Please specify the distance between equipment room and the tower room and specify if connections between the rooms are available and their typology (Fiber, CAT 5e, Cat 6 etc)

Answer: Site survey shall clarify this situation on a case by case basis.

   d) Please specify the distance between equipment room and approach room and specify if connections between the rooms are available and their typology (Fiber, CAT 5e, Cat 6 etc)

   Answer: Site survey shall clarify this situation on a case by case basis.