Iridium Certus[SM] CoLo FAQ

1) Regarding the IP assignment will we able to use our own RADIUS server for that task?

a) The Private IP assignment will be managed by Iridium and will be an agreed upon range within the 172.30.x.y address space, dependent upon forecast of Iridium Certus units.

b) For example, Iridium can provide 256 available host addresses in 172.30.x.y / 24 range
   i) Larger or smaller subnets available, depending upon forecast
   ii) Iridium will work with you to allocate Private IP address space, in association with your forecast of required Iridium Certus devices. The address space will be in the 172.x.x.x Private IP address range. Static routing will manage the necessary routing tables in support of the Iridium Certus traffic

2) Will we also be able to choose our own network range?

a) Iridium will use the 172.30.x.y Private IP range for Iridium Certus SIM card provisioning (See above)
b) Iridium will work with Partners to ensure no conflict of the agreed upon, allocated IP address space within Partner network

3) Will we be able to have more than one network range as for example one or more with public IPs and one or more with private IPs?

a) Iridium can support multiple "Data Networks"… each with their own Private IP address pool if necessary
b) Iridium Certus does not support Public IP allocation

4) Regarding the connectivity between our routers and your CERTUS-EXTFW-CLUSTER, will that be a copper 1000BASE-T or other standard?

a) The connectivity between Iridium Certus firewalls and Partner routers is a 1 GB copper interface.
b) Yes this will be 8P8C (8 position, 8 contact) RJ45 copper interface.

5) Regarding the routing, will we use dynamic routing protocol between us?

a) The routing will be static routing, to support the routing of the Private IP ranges to the corresponding Service Partner equipment

6) Will all our routers face CERTUS-EXTFW-CLUSTER on the same VLAN (broadcast domain)?

a) No, we will utilize sub interface configuration with a different VLAN for each virtual interface, thereby isolating each customer's traffic

7) ***Do you expect from us to run an FHRP on our equipment so you can point your 0.0.0.0/0 static route to our FHRP VIP or we can go with 2x0.0.0.0/0 static routes and load balance across our and your equipment*****?**

a) Our Cluster operates in an active/standby environment. The MAC address fails over with the firewall. We are statically routing all traffic to the Partner Co Location equipment. Yes we would expect the Partner to implement a redundant platform using their strategy of choice (eg: FHRP)

b) If we go with an FHRP solution:

i) Do we need to add static routing to your FHRP VIP for allocated 172.30.x.y Private IP pool?

(1) Yes, static routing would be required

8) Do you expect from us to have 1x10G per router connected to your switches?

a) No, from Partner Co Location router to the switch the connection would be 1x1G copper

9) What protocol will we use and will we benefit from BFD (Bidirectional Forwarding Detection) and Load Balancing across all available links?

a) BFD is not utilized. Network resilience is achieved by implementation of Active/Standby failover on the Iridium firewalls and HSRP protocol on the network switches.

b) As well, there are redundant firewalls & switches within the configuration, with redundant (A-side/ B-side) physical connections, including redundant connectivity to the Partner equipment

10) Can you confirm the kind of remote access that a partner would have to the remote Iridium Certus terminals? Can we operate a reset or change parameters?

a) Iridium will be offering an Out of Band Management strategy to allow for the Partner to reset and/or modify configuration parameters on their equipment. This offering will be through a separate, management context and will not be the same as your Iridium Certus data context. Details will be available soon.

11) Do we have to cluster the routers or is there any kind of VRRP mechanism?

a) For the IP addressing, we would carve out a /29 network for your Co Location equipment. The redundancy would be achieved by a combination of the redundant physical connectivity between the Iridium network switches and Partner Co Location devices. It is highly recommended to implement a VRRP strategy within the configuration of your onsite equipment. Static routing will be utilized to manage your Iridium Certus device traffic to & from your onsite equipment.

12) Is the interconnection for maritime and land different? Can we mutualize the 2 services / contracts on the same Cube? We are part of an ecosystem of 2 potential SP. So we might want to share the infrastructure.

a) Yes, the same interconnect can be utilized in support of Maritime and Land services through the same Cube. We would work closely with you to ensure this utilization.

13) ***If we are looking to hire a 3rd party to install your equipment here at the Tempe Gateway, who do we use?***

Below are some recommendations:

i) *NexusTek*: your trusted source for IT Services in Phoenix, Arizona
https://www.nexustek.com

ii) *SupportPRO*: Transparent Technical Support
https://www.supportpro.com/

iii) *All _Covered*: Information Technology and Services
https://www.allcovered.com