TENDER FOR THE DESIGN, SUPPLY, DELIVERY, TESTING, COMMISSIONING, TRAINING, AND SUPPORT SERVICES FOR MCMC INTERNET AND WIDE AREA NETWORK TECHNNICAL REFRESH

Questions & Answers

No	Question	Answer
1	Page 20, Item 2 "All primary connection must be fibre Metro-E and supported by private fixed line for secondary connection" Page 21, 7.3.2. High availability infrastructure "Must provide two individual link from different NSP(I) providers OR dual link from different source of routing" Presuming secondary link have a different routing source via another Metro-E PoP, Is it possible for Metro-E dual link (both primary and secondary) for branch offices? If dual link over Metro-E is possible, will MCMC require one switch (demarcation device) or two separate switches for both links? Based on network diagrams in the tender document, will need to clarify that for HQ, it is compulsory for dual link Metro-E?	**Yes, possible. As long as primary link failure will not affect the backup link.** **Will require two (2) separate switch for hardware redundancy.** **Yes dual link metro-E. Aggregation is highly desired.**

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2	Page 17, Item 2 "Distribution switch" For physical uplink to other switch/router, will it be via fibre only, or UTP is possible? For any other related cabling; besides the patch cords to link all our proposed equipment (and MCMC's existing switches), do we need to lay cables for 2 x 48-port switches at each branch?	**UTP is possible. Router interface also can be UTP or fibre as long as it supports the minimum requirement stated in hardware specification.** **No, not necessarily. However, if there's a need arise, we will consider as out of scope and chargeable.**
3	Page 26, Item 7 "PRI line subscription including Fibermux installation" Does MCMC have an existing PRI subscription, and wishes to replace it with a new subscription? If new subscription is needed, is there any minimum requirement i.e. number of PRI numbers and channels?	**Yes, every site has their own PRI and we will maintain the existing.** **It's an E1 line therefore 30/31 channels and 200 numbers.**
4	As for MPLS cloud, is Layer 2 MPLS over Metro-E possible for this implementation?	**We prefer MPLS layer 3 IP VPN due to scalability and monitoring/troubleshooting purposes.**
5	May we know the number of current E1 physical ports in all MCMC sites that will be integrated in the WAN solution for voice?	- **Four (4) E1 ports at HQ router** - **One (1) E1 port for site offices router**

6	What is the current Unified Communication license (voice) for the existing MCMC infrastructure?	UC-permanent ios 15.3(3)M4. Please refer to below:

Technology Package License Information for Module:'c2900'

Technology	Technology-package Current	Type	Technology-package Next reboot
ipbase	ipbasek9	Permanent	Ipbasek9
security	None	None	None
uc	uck9	Permanent	uck9
data	None	None	None
NtwkEss	None	None	None
CollabPro	None	None	None