

Questions and Answers – Round 1

Date: **9 October 2017**
Project: **Metro Ethernet Internet Access for UNDP Headquarters**
Reference Number: **UNDP/BMS/OIMT/ITB/2017/003**
Closing date of tender: **14 November 2017**
(Submission deadline extended to 14 November 2017 instead of 17 October 2017)

TO ALL INTERESTED COMPANIES

SUBJECT: Invitation to Bid – Provision of Metro Ethernet Internet Access for UNDP Headquarters

INFORMATION: The following are questions received from bidders and their respective answers

1. What is the required IPv4 and IPv6 IB Block # of IP Addresses requirement per circuit?

Response: As specified in the ITB, UNDP has its own Provider Independent IPv4 address block and in case of using IPv6 will obtain already assigned IP address block from UN Secretariat. The successful bidder is expected to use BGP peering with UNDP for announcement of UNDP IP routes.

2. Please define 'Metro Ethernet Internet Access Service.' Is UNDP requesting quotes for dedicated Internet connectivity via Ethernet handoff for two different bandwidths (e.g., 100M or 1 GigE) to be priced as options?

Response: UNDP is asking for "dedicated Internet connectivity via Ethernet handoff for two different bandwidth to be priced as options". And in addition to that UNDP is also requesting for new termination locations (FF basement and DC1 4th floor), also as options.

3. UNDP is requesting end-to-end full management. The term 'end-to-end' typically applies to 'point-to-point' services. As a result, is UNDP looking for fully managed Internet service where bidders will provide remote Managed Network Services to support each of the UNDP-provided Cisco routers on the Internet circuits or fully-managed P2P services where bidder will provide Managed Network Services to support both ends of the circuit terminated by two UNDP-provided Cisco routers?

Response: UNDP will manage its Cisco router (Customer Premises Equipment – CPE). However, any and all equipment connected to in order to provide Internet access service should be managed by service provider.

4. Will UNDP please share the two Provider-Independent IPv4 address blocks for reference?

Response: Blocks "NET-165-65-0-0-1" and "NET-192-124-42-0-1" in ARIN database.

5. Will UNDP please define 'full default-less routing table.'?

Response: Full BGP Internet routing table without "default route".

Overview is here: https://en.wikipedia.org/wiki/Default-free_zone

6. Will UNDP provision their own border routers for each access provider at each location, or utilize one router per location, and perform load sharing across the two access providers?

Response: Either scenario is possible depending on the proposals received. Preferred option is to have one connection at each location terminated via separate router.

7. Does UNDP expect, in the event of an outage, for each site and location to failover to the other?

Response: Yes. This will happen automatically with BGP4 routing. Please note that UNDP will select two different service providers for each of the connections.