

MBIXP Memorandum of Understanding

The undersigned, representative of _____
_____ (below also referred to as peer or participant), hereby confirms the participation of the above mentioned ISP in the Mbeya Internet Exchange (MBIXP).

The Technical and Organizational Requirements below are accepted and will be adhered to. This Memorandum of Understanding is subject to updates and changes by TISPA and any subsequent version is considered accepted by the participant if participant continues to be connected at the IXP.

Company Name: _____

Address: _____

Admin Contact: _____ (Name)

_____ (Email)

Technical Contact: _____ (Name)

_____ (Email)

Signature: _____

Name in print: _____

Date: _____

Filled by MBIXP:

Port on MBIXP switch: _____

IP on MBIXP net: 196.223. ____ . ____

ASN: _____

A. Technical requirements

1. MBIXP provides its participants with a layer-2 Ethernet switch fabric and a layer-3 route server.
2. Participants may only connect equipment which they own and operate themselves to the MBIXP. They may not connect equipment on behalf of third parties.
3. Peers may only utilize a single layer- 2 MAC address to directly connect a single layer-3 router per port allocated from the MBIXP switch fabric.
4. It is preferred that each participant have their own Autonomous System number, peers without an ASN allocation will be assigned an ASN from private ASN space by the MBIXP Management

Committee. Any peer who has previously been connected to the MBIXP using private ASN and then later acquires their own public ASN must notify the MBIXP Management Committee as soon as possible in order to incorporate this development into the BGP peering at MBIXP.

5. MBIXP participants will advertise routes to their IP address range(s) to the MBIXP route server(s). Peers shall not advertise routes other than their own, without the prior written permission of the assigned holder of the address space.
6. Peers shall not advertise a next-hop other than their own.
7. Peering between routers across MBIXP will be via BGP
8. Peers shall not generate unnecessary route flap, or advertise unnecessarily specific routes in peering sessions with other participants across MBIXP.
9. Peers shall not point their default route or any static route to MBIXP or any peer, without the peer's written consent.
10. Participants must, on all interfaces connected to the MBIXP switch fabric, disable Proxy ARP, ICMP redirect, CDP, IRDP, directed broadcasts, IEEE802 Spanning Tree, any interior routing protocol broadcasts, and any MAC layer broadcasts other than ARP or inverse-ARP.
11. Peers must set netmasks on all interfaces connected to the MBIXP to include the entire MBIXP peering LAN.
12. Participants shall not announce ("leak") prefixes including some or all of the MBIXP peering LAN to other networks without explicit permission of MBIXP.
13. Participants must clearly label all equipment that resides at the MBIXP facility with ownership and contact information.
14. Participants will not touch equipment and/or cabling owned by other participants and installed at MBIXP or in the room containing the MBIXP without the explicit permission of the participant who owns the equipment.

15. Peers should not routinely use the MBIXP switch fabric for carrying traffic between their own routers.
16. Participants will not install traffic monitoring software to monitor traffic passing through MBIXP, except through their own ports. MBIXP may monitor any port
17. MBIXP does make statistics of the aggregate traffic flow over the exchange switch available to the public.
18. Participants shall endeavor to provide advance notice via email to each of their BGP peers, in the event that a service disruption or discontinuity of BGP peering can be foreseen.

For clarification:

1. Peers should advertise all their networks to the IXP.
2. Peers should not use multiple links to the IXP for the purpose of routing their internal traffic.
3. Peers should accept all routes advertised by all other peers and route traffic through the Exchange (the purpose of it).

B. Organizational Requirements

1. Participants have a duty of confidentiality to the other MBIXP Participants in MBIXP affairs.
2. Peers must provide 24x7 contact details for use by MBIXP staff.
3. In matters of MBIXP, the primary means of communication will be via email.
4. Peers must not refer customers or customers' agents to MBIXP staff. All queries must be directed through the peer's support staff.
5. Peers must not carry out any illegal activities through MBIXP. They are to obey the laws of the country.
6. Participants will pay annual fees in advance. Failure to do so will result in immediate disconnection. Fees are detailed in Annex C below. It is Participants' responsibility to ensure that all contact information held by MBIXP in connection with their participation is correct and up to date.
7. All applications to join the MBIXP must follow the correct joining procedure as follows: Applications

will be accepted, provided this MoU including the Technical and Organizational Requirements as well as the Fees are accepted and the MoU is signed and necessary details given. Applications must be accompanied by the setup fee and the full port connection fee for the current calendar year.

8. Any complaints must be referred in writing to the MBIXP Management Committee of TISPA. The working group will discuss them at the next meeting. The decision can be revised by the Board of TISPA in which case that will be final.
9. The MBIXP will not provide rebates of any sort for down time. TISPA and MBIXP do not warrant or assume any liability or responsibility for services provided or not provided.
10. Participants of the MBIXP must give 3 months' notice in writing to TISPA if they intend to stop using the IXP. There will be no refund on charges under any circumstances.

C. Fees schedule

1. MBIXP will charge each participant a port connection fee. This will allow the peer to connect to the designated port on the MBIXP switching fabric.
2. The fee is set to USD 500 for one calendar year, payable in advance. A once-off registration fee of USD 1000 will be charged for connecting to MBIXP.
3. For connectivity within the MBIXP premises and not connecting to the peering fabric a cross-connect fee of USD 300 per calendar year, or any part of a calendar year applies. For Pro-bono projects this can be waived by the MBIXP Management Committee.
4. Peers requiring RU space can be provided when and where available, at an extra fee annually.