**Mailing Address: Peering Coordinator: Treasurer:**

Midwest Internet Cooperative Exchange Jason Hanke Anthony Anderberg

PO Box 583782 peering@micemn.net treasurer@micemn.net

Minneapolis, MN 55458-3782

**MICE Order Form**

All fields are required to be completed. Please return the completed form to peering@micemn.net.

**Company Name:** Click or tap here to enter text.

**U.S. Federal Tax ID:** Click or tap here to enter text.

**Legal Mailing Address:**

Click or tap here to enter text.

**Billing Mailing Address:**

Click or tap here to enter text.

**Billing Email Address:** Click or tap here to enter text.

**Peering Email Address:** Click or tap here to enter text.

Only legal entities can be members of MICE. Natural persons cannot. For international entities without a U.S. Federal Tax ID, please provide some equivalent that identifies the specific legal entity that is connecting.

Your legal address, billing address, and billing email address are for MICE use only. Your peering email address will be listed publicly in the participants list on the MICE website: <https://micemn.net/participants.html>

Orders will be cancelled if the port is not active (linked and exchanging traffic) within 180 days. MICE can extend this upon request.

If you are a remote switch operator who is also a peering participant, please use separate order forms for your remote switch backhaul and your own peering. When placing a backhaul order, in the Company Name field, append “(Remote Switch)”.

**Port Type:** Choose an item.

**Port Quantity:** 1

**Switch:** Choose an item.

If this is an upgrade, please list the total ports, not just the new ports. For example, if you upgrading from one 10G port to two 10G ports, please use Port Quantity: 2.

If you request multiple ports, they will be grouped into a single LAG (Link Aggregation Group) unless you request otherwise.

If you are connecting to a MICE operated switch, you must order cross-connect(s) separately from the datacenter operator to reach the port(s). In the case of the MICE switches, Cologix and Ridgeview accept the participants list on the MICE website as the LOA/CFA for cross-connect orders to MICE, so no separate LOA/CFA is required. If you do not already have an account representative… For Cologix, contact Scott McCrady <scott.mccrady@cologix.com>. For Ridgeview, contact Michael Dumas <MDumas@usinternet.com>.

If you are connecting to a Remote Switch, you must also make separate arrangements with the operator of that Remote Switch subject to their option, prices, and terms.

Port graphs are available at the address below (which is also linked from the MICE website). Use the username “guest” and password “guest” for access.
[http://micelg.usinternet.com/cacti/graph\_view.php?action=tree&tree\_id=1&leaf\_id=19](http://micelg.usinternet.com/cacti/graph_view.php?action=tree&tree_id=1&leaf_id=19&select_first=true)

If you are a remote switch operator ordering backhaul ports, please select the upstream side of your backhaul ports (e.g. MICE Core), not your own switch.

**ASN(s):**

MICE will allocate one IPv4 address and one IPv6 address per AS. Additional IPs (e.g. for redundant routers) may be allocated by special request.

If you are a remote switch operator ordering backhaul ports, please enter “N/A”.

**Route Server User:** Choose an item.

Use of the route servers is optional. If you use the route servers, you may announce all of your routes or only a subset, at your option. However, we do ask that you keep MICE informed as to whether you will use the route server, and if so, whether fully or partially. (In this context, “partial” means you announce only a subset of routes via the route server, but more routes via bilateral sessions over MICE.)

The route servers require participants to document their routes and downstream ASNs in IRR objects. If you are not familiar with this process, we recommend you use ARIN’s service (assuming you are in the ARIN region). They have documentation available at: <https://www.arin.net/resources/manage/irr/userguide/>

1. Start by creating an *as-set* object with your ASN and each downstream’s ASN (or their *as-set*, if they also have downstream ASNs).
2. Create *route*/*route6* objects for each route (prefix) you will originate.
3. Your downstream ASNs will also need to create *route*/*route6* objects (or you will have to create them on their behalf in an IRR like RADB).
4. Reference your *as-set* in PeeringDB: <https://peeringdb.com> If you do not list it in PeeringDB, then you must inform MICE of your *as-set* via email to peering@micemn.net.

MICE also encourages the use of RPKI and validates RPKI on the route servers. ARIN has documentation available at: <https://www.arin.net/resources/manage/rpki/hosted/>

The default behavior of the MICE route servers is to announce all routes to all peers. You may optionally use a set of MICE communities to modify the announcements. These communities are documented at: <https://micemn.net/technical.html>

The route servers are configured for passive BFD, meaning they will use BFD with you, but you need to start it. That is, you must be configured for active BFD. BFD on bilateral sessions is between members to negotiate.

If you are a remote switch operator ordering backhaul ports, please select “No”.

**Mailing Lists & Notices**

Participants are strongly encouraged to have both their business and technical contacts join the MICE-ANNOUNCE mailing list. The low-traffic MICE-ANNOUNCE list receives notices of User Group meetings (member meetings), maintenance, fee changes, board elections, and other business/technical matters.
<https://lists.iphouse.net/cgi-bin/wa?A0=MICE-ANNOUNCE>

Participants are encouraged to have their technical and MICE governance contacts join the MICE-DISCUSS mailing list. The higher-traffic MICE-DISCUSS list is open to posting by list members and hosts both technical and governance discussions.
<https://lists.iphouse.net/cgi-bin/wa?A0=MICE-DISCUSS>

Notices relating to an individual participant will be sent to that participant’s peering and/or billing contact email addresses. Disconnection notices will be sent to the legal mailing address on file, per the procedure outlined in the bylaws, which are linked from: <https://micemn.net/resources.html>

**PeeringDB**

MICE requests, but does not require, that participants create a PeeringDB entry and list MICE as an exchange at which they peer. This helps the exchange’s visibility with potential new participants. PeeringDB is a third-party website available at: <https://peeringdb.com>

**Governance**

MICE is a 501(c)(12) cooperative governed by its members.

MICE holds member meetings, which are called User Group (UG) meetings. These meetings are typically held 2-3 times per year and may be attended in person or via conference call. Members have voting rights. Directors are elected by the membership, at the fall meeting, to staggered three-year terms.

Once a qualifying participant is utilizing their port to exchange traffic, the Board normally appoints the participant to the membership at the Board’s next convenience, generally just prior to the next User Group meeting.

**Disclaimers**

The exchange is provided on an “as is” basis. MICE disclaims all warranties and service guarantees.

Neither party shall, in any event, regardless of the form of claim, be liable for any indirect, special, punitive, exemplary, speculative or consequential damages (including lost profits or revenues), subject to the foregoing and not withstanding anything to the contrary elsewhere contained herein, the maximum aggregate liability of either party shall not exceed, regardless of the form of claim, the fees paid or payable by Participant to MICE during the 12-month period preceding the incident.

**Security & Privacy**

Management access to the exchange’s core switches is restricted to technical committee members. Traffic will only be inspected or stored (e.g. packet captured) for troubleshooting technical problems or when legally required.

**Remote Switches**

If you are interested in operating a MICE remote switch, please contact peering@micemn.net.

The process for connecting a new remote switch is as follows:

1. The remote switch operator will provide a technical proposal to the board.
2. The board will publish the proposal to the discussion list.
3. After a reasonable comment period, the board will approve or deny the proposal.

Remote switch operators’ obligations include (but are not necessarily limited to):

* Operators must obtain prior approval from the board for modifications.
* Operators are responsible for the costs of operating their remote switch and the links to the core switch. They must monitor their traffic levels and promptly add capacity to keep the links running congestion-free.
* Operators must enforce MICE’s technical port rules on their remote switches.
* Operators must coordinate participant connections and disconnections with MICE. MICE allocates exchange IP addresses and documents participant connections.
* Operators must inform their participants that the participants are not connecting directly to MICE. The remote switch operator cannot claim to be MICE.
* Operators must inform their participants that the participants are also subject to MICE rules, procedures, and costs.

**Port Fees**

MICE charges fees for ports on the core switches. Port fees are for the calendar year. No refunds will be given.

Port fees are subject to change. To receive notice of fee changes, join the MICE-ANNOUNCE mailing list. To participate in MICE governance, join the MICE-DISCUSS mailing list and/or attend User Group meetings (in person or via conference call).

The first 10G port is 250 USD/year. Additional 10G ports are 1,000 USD/year. More than four ports requires board approval.

A 100G port is 3,000 USD/year. We currently have no limit for 100G ports besides available ports and reasonable technical need.

These are port fees, so remote switch operators pay for the ports they use. MICE does not charge participants who connect to a remote switch. Charges between remote switch operators and participants connected to their switches are not controlled by MICE.

Upgrades will be held if the participant is past due on existing billing. Ports are subject to disconnection (and termination of membership) if past due.

Mid-year changes will be pro-rated to the day the new port is ready on the MICE side. The pro-rated credit from the old port(s) will offset the pro-rated charges from the new port(s).

Participants may disconnect (and resign membership) at any time by notifying secretary@micemn.net. MICE may disconnect a port (and expel a member) at any time, with notice per the procedure outlined in the bylaws, which are linked from: <https://micemn.net/resources.html>

**Participant Midwest Internet Cooperative Exchange LLC**

Signature: Signature:

Printed Name: Click or tap here to enter text. Printed Name: Richard Laager

Title: Click or tap here to enter text. Title: Chief Manager

Date: Click or tap here to enter text. Date: