MAE® Services

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MCI®

MAE Services Internet Exchange

- **Multiple points of presence for exchanging traffic**
  - MAE® East (Washington DC and New York)
  - MAE® West (San Jose and Los Angeles)
  - MAE® Central (Dallas and Chicago)
- **Web based connection (PVC) provisioning tool (PeerMaker)**
- **Interworking access technologies:**
  - Frame Relay (POS/Frame Relay Encapsulation): OC3 – OC48
  - ATM: DS3 – OC12
  - GigE in 2Q04
- **Flat-Rate Monthly Billing**

MAE Services – Locations

MAE® Extended Peering (MAE EXT)

- **MAE EXT extends the peering reach for MAE Services customers**
  - Customers that are geographically disperse are able to peer with each other
  - Customers that are geographically disperse are able to peer with current MAE East, West, and Central customers.
- **MAE EXT customers acquire national and/or global reach without building out infrastructure**
  - Key customers are MSOs, content providers, and regional ISPs, and their peers
- **Access via OC3 and OC12 Frame Relay or GigE**
- **Self provision connections via PeerMaker**

MAE EXT – continued

- **MAE EXT is a usage based service**
  - Customers are billed monthly per mbps based on 95th percentile of traffic pushed to the network
- **Initial implementation in U.S. with planned expansion to Europe and Asia-Pac**
  - London, Paris, Frankfurt, Amsterdam
  - Tokyo, Seoul, Taipei, Hong Kong, Singapore, Sydney
- **Transit - full routes or AS 701 routes**
  - Via connection MAE Service port used for internet exchange
  - Usage based (95th percentile)

MAE Services IPv6 Support

- **IPv6 exchange supported at all U.S. exchanges**
- **IPv6 is transparent to the exchange platform, whether access is Frame Relay or ATM**
  - IPv6 also supported at MAE Frankfurt (ethernet L2 exchange)
- **IPv6 addresses have been allocated to EP.NET**
  - EP.NET block is: **2001:0478:0000:0000:0000:0000:0000:0000/32**
  - EP.NET allocates an IPv4/24 and an IPv6/48 address for each MAE Services exchange point
- **An ISP IPv6 address can be derived from current IPv4 address (from EP.NET) to the EP.NET block**
  - An example MAE East IPv4 address **198.32.187.222** maps to the IPv6 address of **2001:0478:0187:0000:0000:0000:0000:0222**

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