Peering Policy

Founded in October 1994. Bouygues Telecom is a French ISP and Operator that operates a network in France and Europe with more than 25 core POPs and several hundred access POPs.

Bouygues Telecom has a selective peering policy. The Peers are selected based on, the amount of traffic exchanged with Bouygues Telecom ASN 5410, capability and mutual benefit for both networks.

For peering requests, please contact peering@as5410.net

General technical requirements for peering with Bouygues Telecom

- The peer must be registered in a public Internet Routing Registry (IRR) database.
- Record completed in PeeringDB.
- A peer of AS5410 must have publicly routable ASN.
- The BGP session must be established in IPv4 and IPv6.
- A peer should have a 24x7 NOC with BGP expertise.

Traffic Requirements for public peering

- Bouygues Telecom are not present on public exchange server router. Any exchange with public IXP via Bouygues Telecom ASN should establish a direct BGP session.
- For partner with traffic < 40 Gbps, Bouygues Telecom invites you to contact us to establish a direct BGP session on the French public exchange.
- For partner with traffic < 40 Gbps, not present on a French public exchange, Bouygues Telecom invites you to contact us to establish a direct BGP session on a foreign public exchange.
- Bouygues Telecom doesn’t support backup session over public exchange.
- Bouygues Telecom doesn’t support session over public exchange if a direct private peering in service.

Traffic Requirements for private peering

- For partner with traffic > 40 Gbps, Bouygues Telecom invites you to contact us to set up private peering connection agreement.
- Interconnection must be 100 Gigabits Ethernet (100GbE LR4/FR1) or 400 Gigabits Ethernet (400GbE FR4/LR4).
- Partner must enable IPv6 and IPv6 traffic percentage should be > 40%.
- Partner should communicate following KPI according to downstream traffic's peak of the month, on a monthly basis:
    - ABR (Average Bit Rate) per session, per service, per network (fixed/cellular).
    - Split of end-user’s terminals used (smartphone, tablet, PC, TV) in proportion of the number of

sessions.

- Class of internet traffic (e.g., streaming video is one class of traffic, file download and email are others) in proportion of traffic.

- Forecast of year N and N+1.

- Routing strategy between PNI, CDN, Transit in proportion of traffic.

Traffic Requirements for Locally hosted Cache

- Under certain conditions and after impact assessment, Bouygues Telecom gives you the possibilities to deploy caching servers on its network.

Routing Policy

- Peering sessions with Bouygues Telecom ASN 5410 will advertise all Bouygues Telecom's routes.

- The candidate shall not send unsolicited traffic to Bouygues Telecom's ASN.

Technical constraint

- For security reason there is rate limitation on ICMP protocol over all our peering routers which has no impact on services. It is a global configuration and there is no exception. Please avoid running continuous pings.

- Bouygues Telecom announce prefix no longer than /24 in IPv4 and /48 in IPv6.

- Session via GIX will be removed if it stays unestablished for more than 3 months.