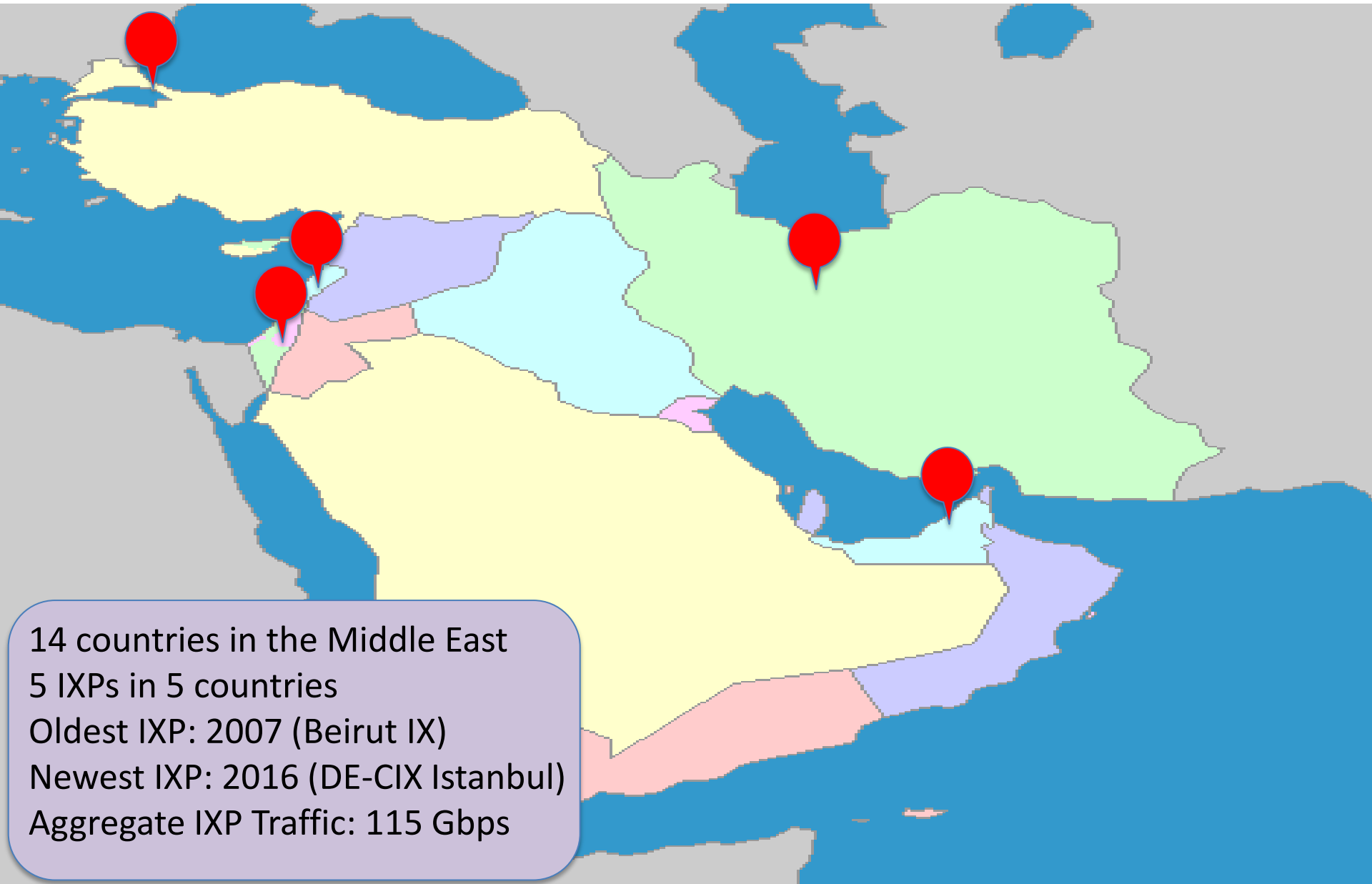
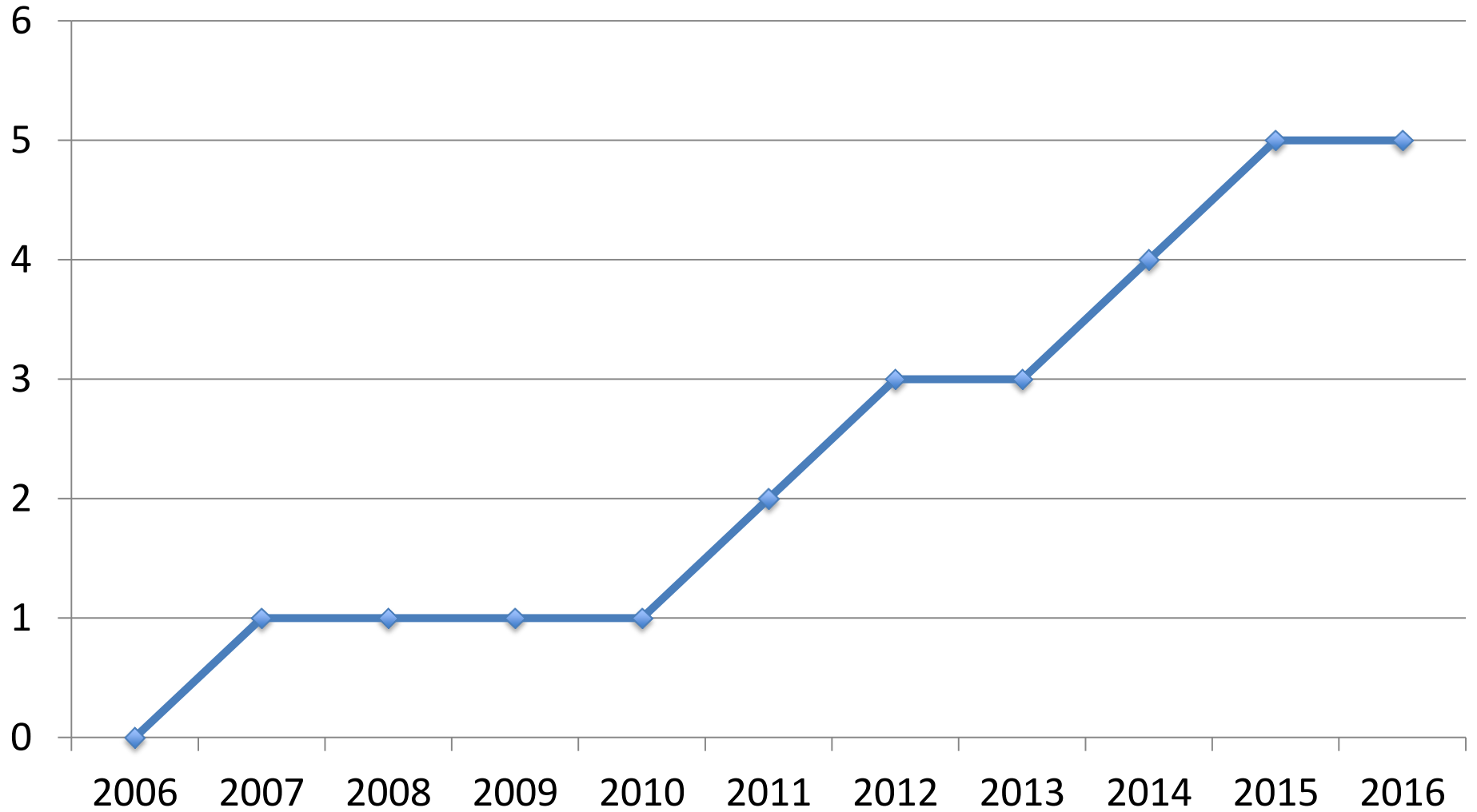


Internet Exchange Points in the Middle East

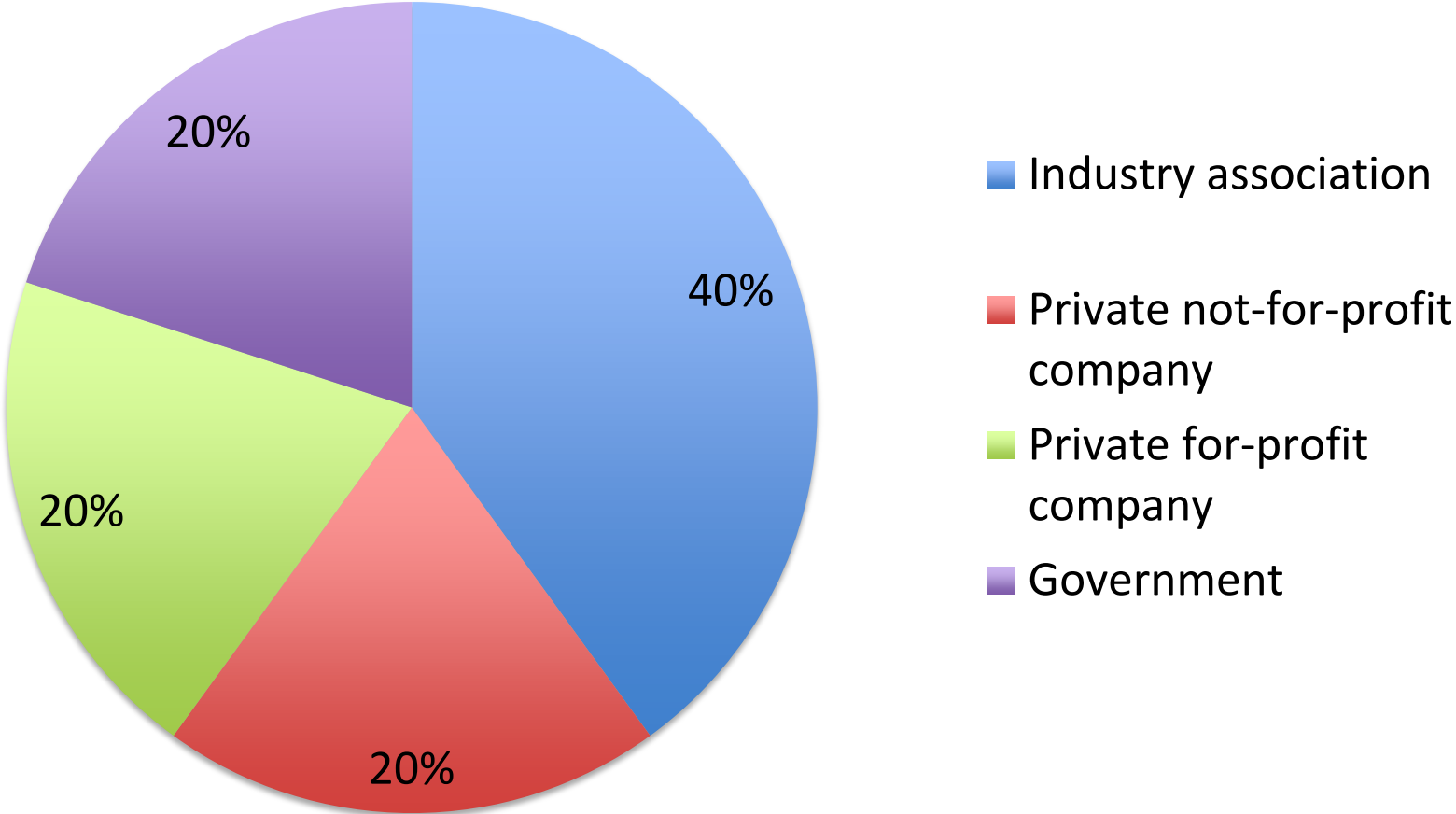


14 countries in the Middle East
5 IXPs in 5 countries
Oldest IXP: 2007 (Beirut IX)
Newest IXP: 2016 (DE-CIX Istanbul)
Aggregate IXP Traffic: 115 Gbps

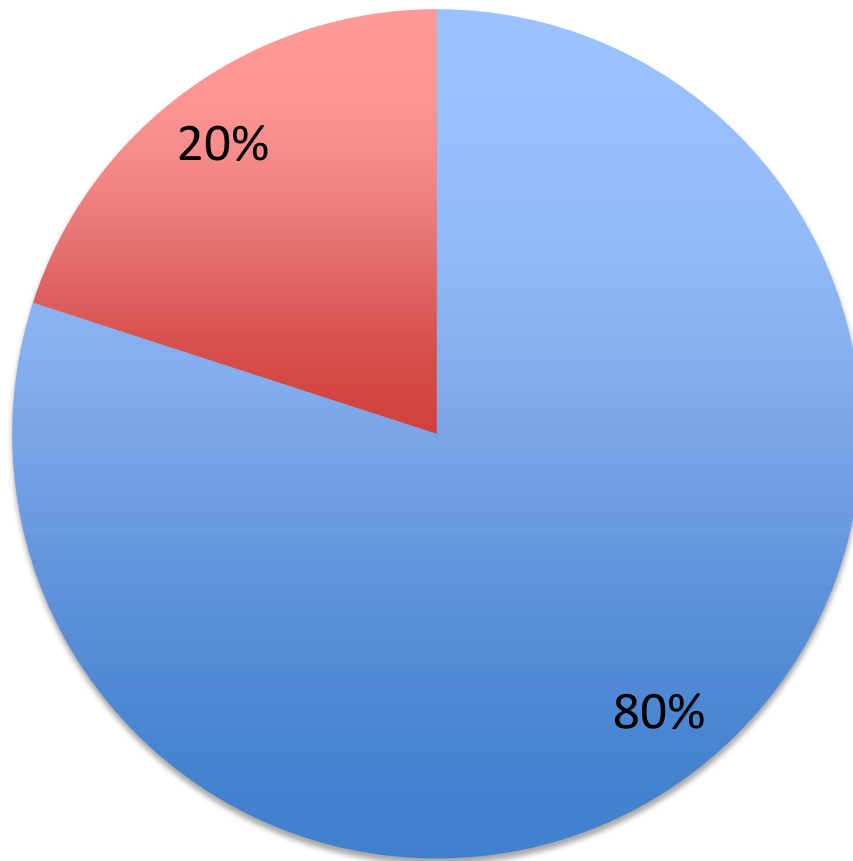
Growth in the Middle East



What type of organization governs the IXP?

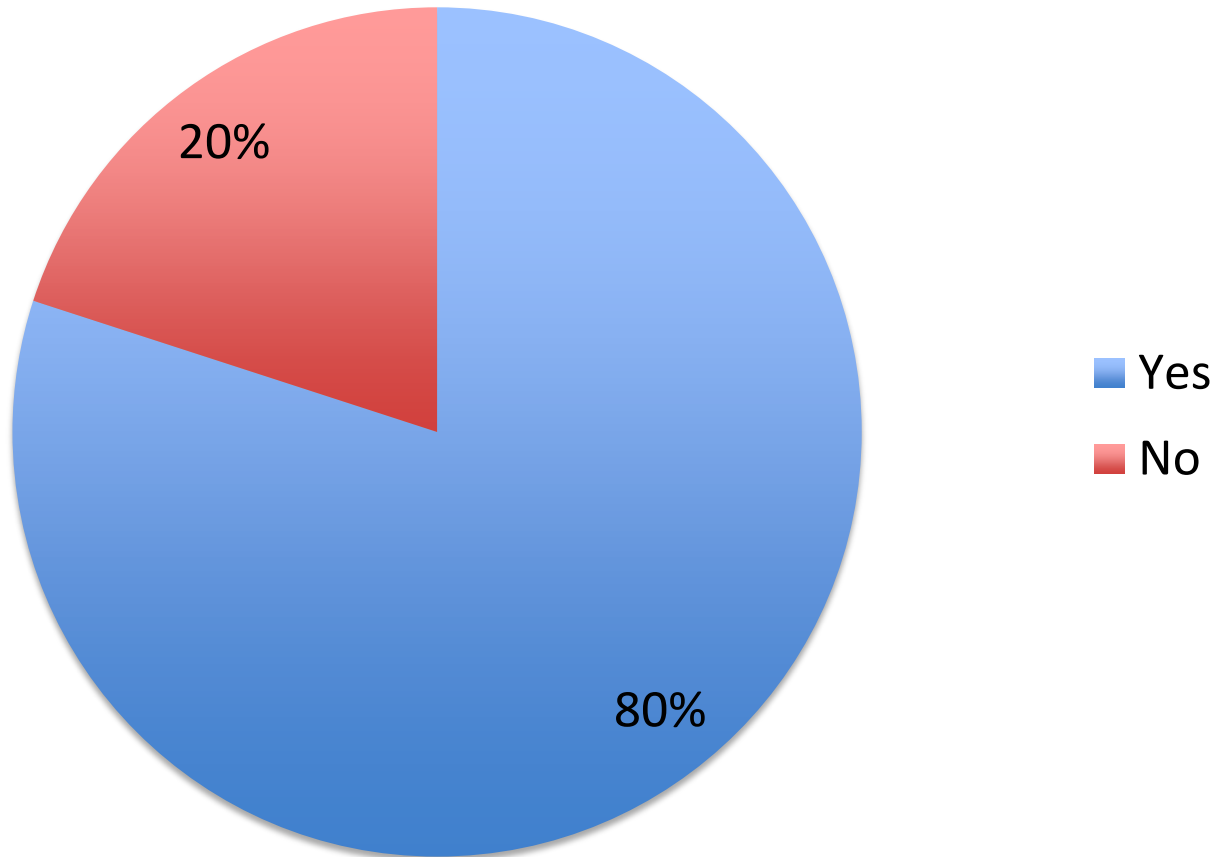


Does the IXP have an informal or contractual relationship with the networks that connect to it?

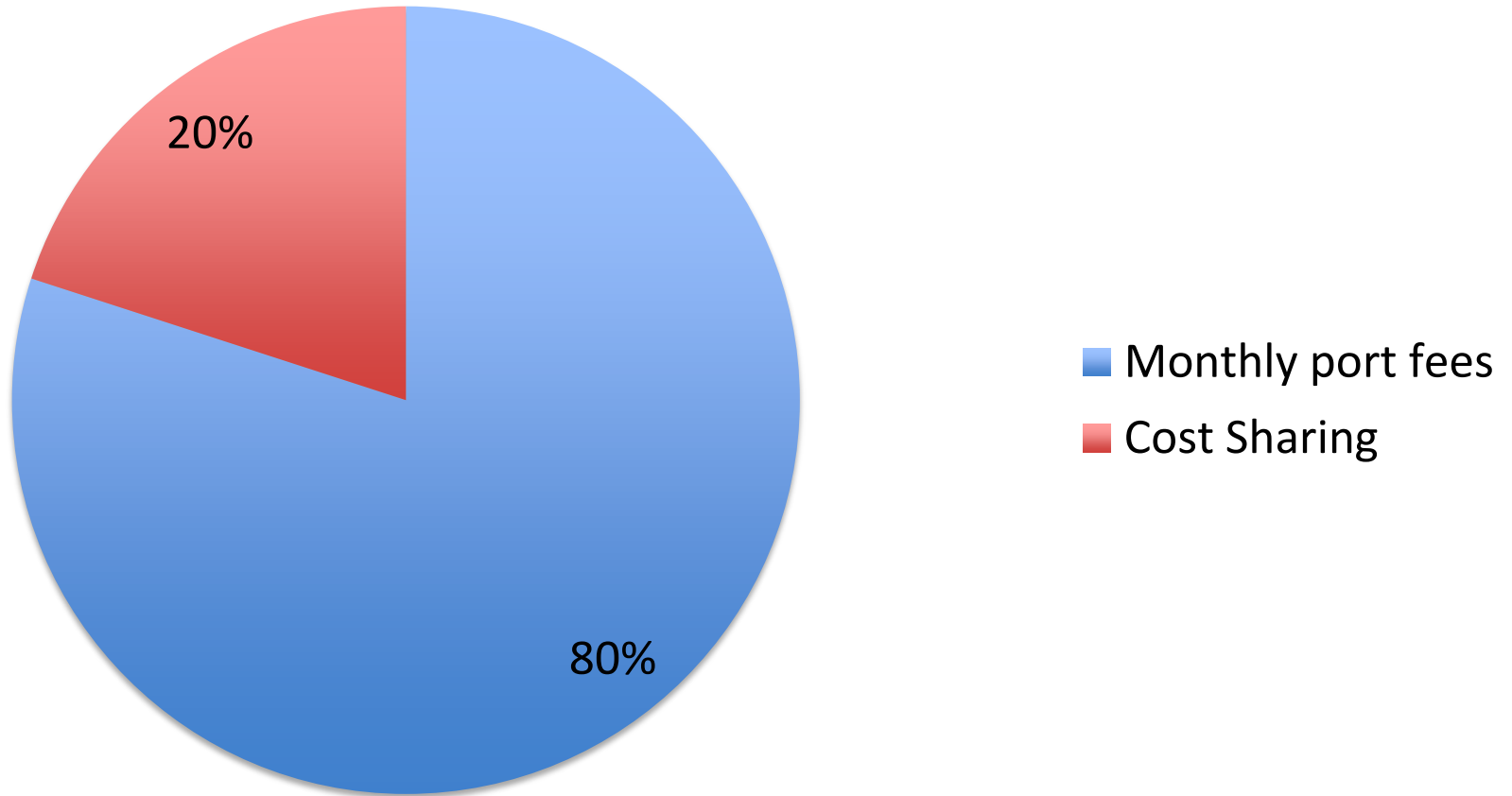


- Contractual (networks must sign a contract to connect to the IXP)
- Informal (networks do not need to sign a contract to connect to the IXP)

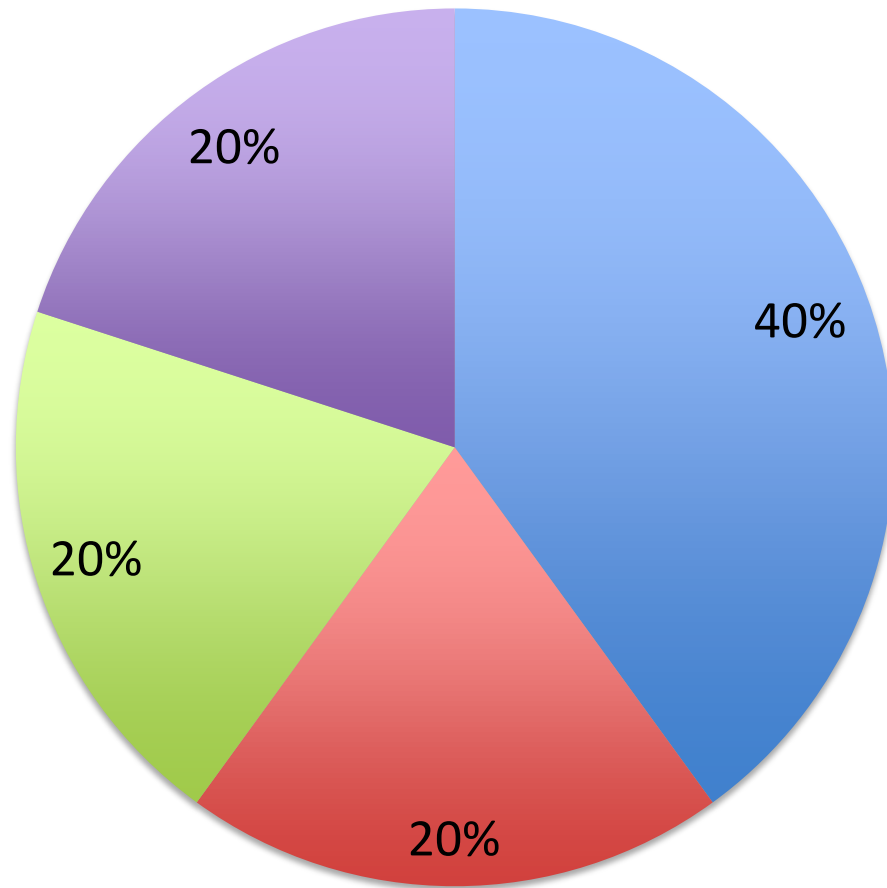
Does the IXP offer a Service Level Agreement (SLA) to the networks that connect?







Does the IXP charge any fees?

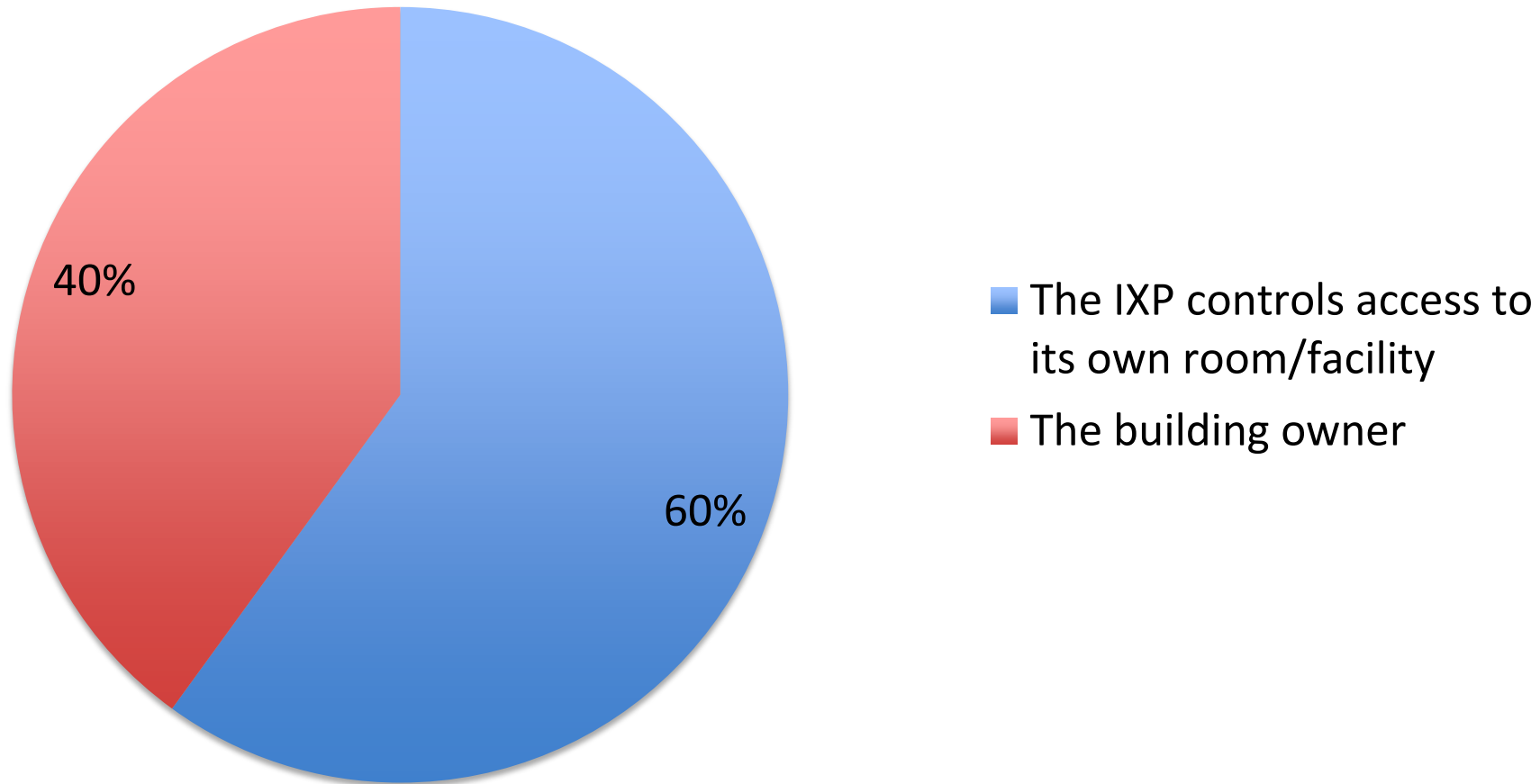


Who owns the building the IXP resides in?

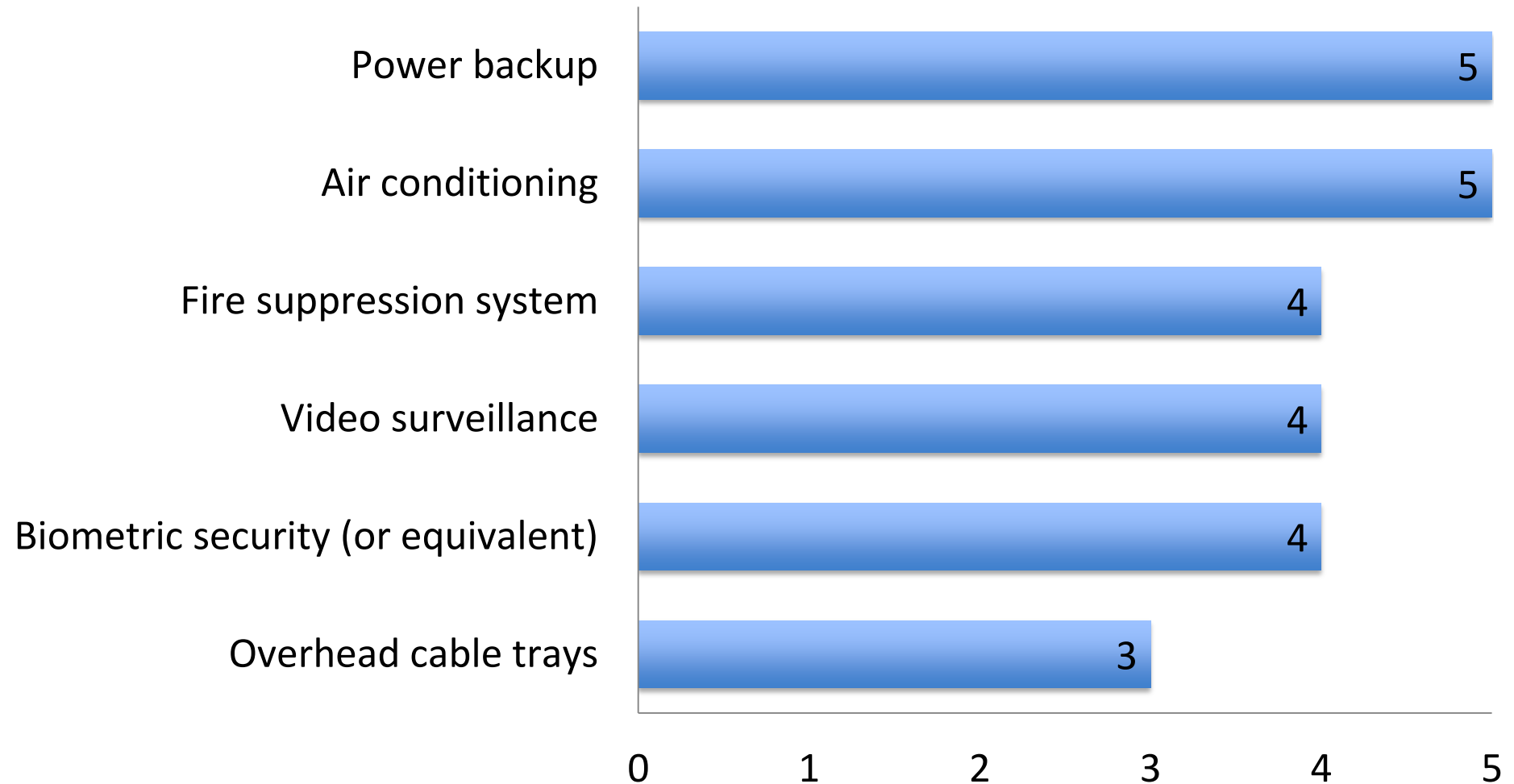


-  An academic institution
-  A network operator
-  Government
-  A carrier-neutral data-center operator

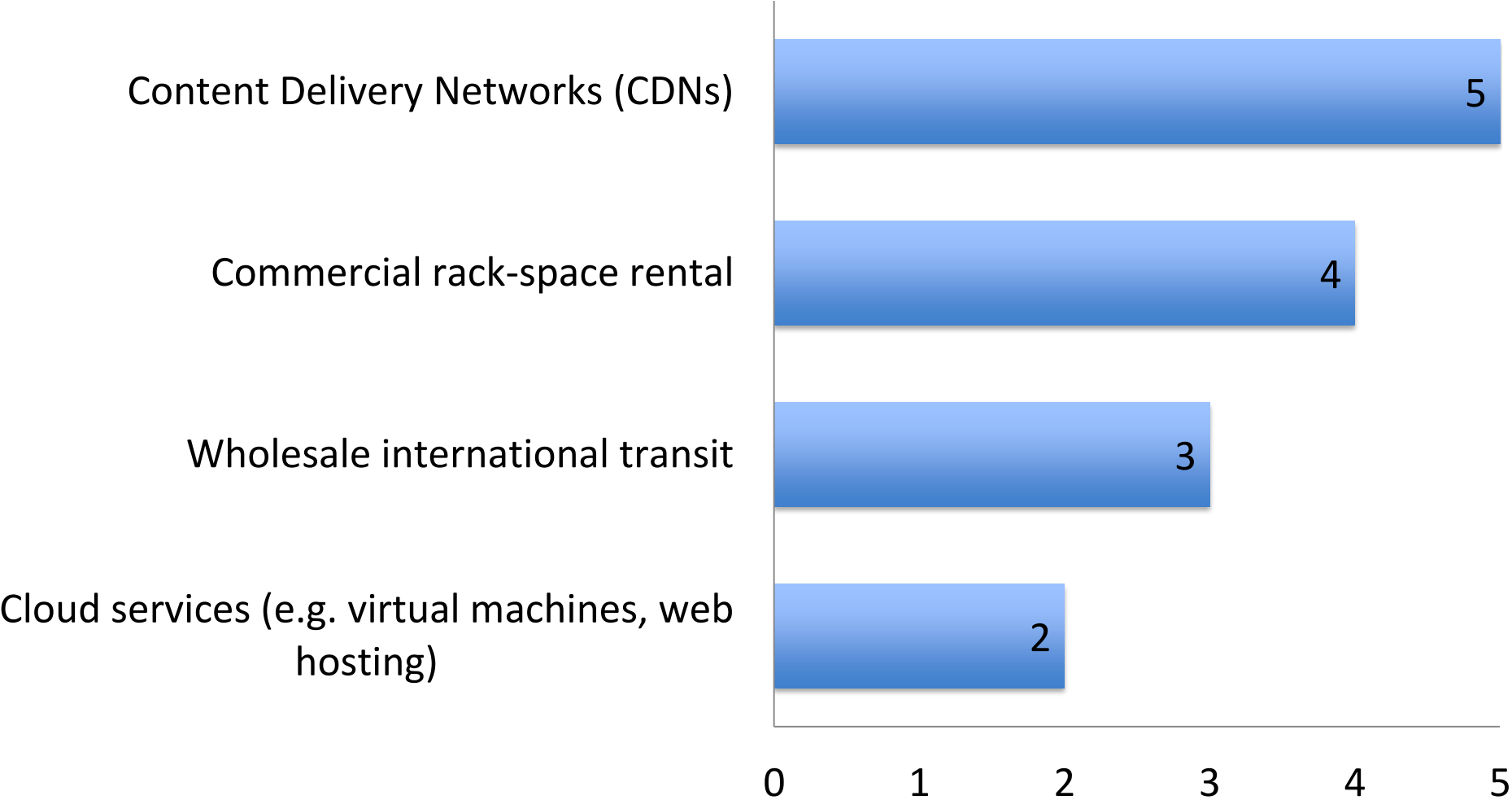
Who controls physical access to the IXP room/facility?



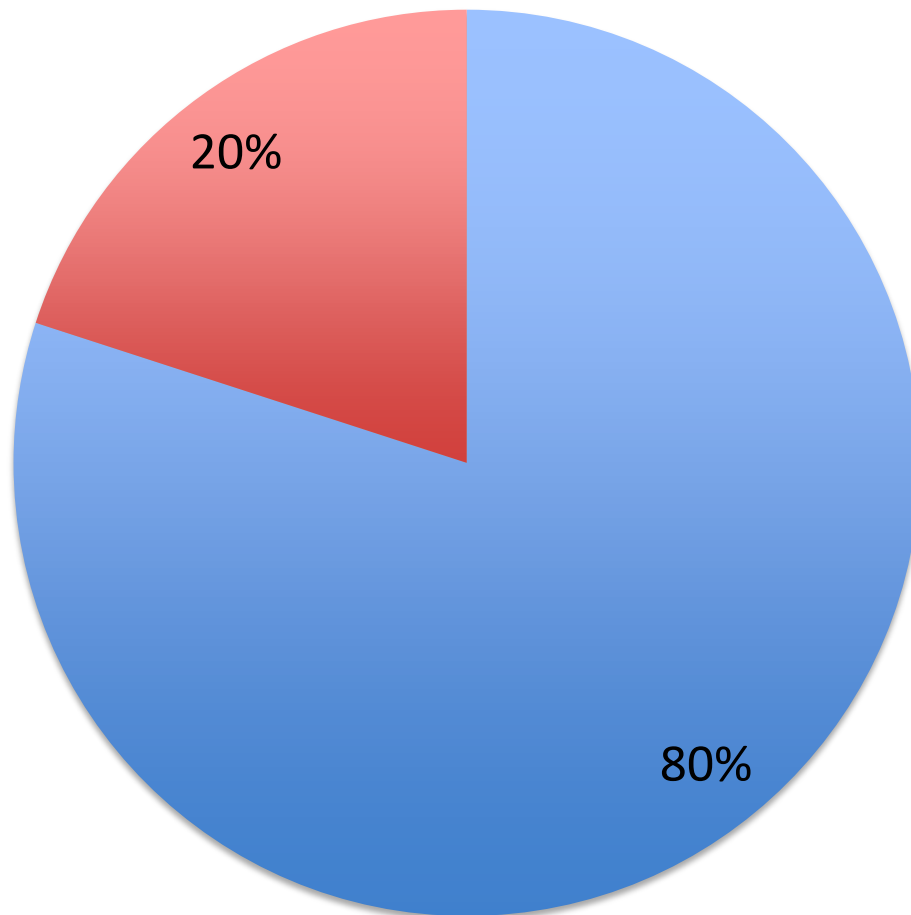
Which of these features does the IXP facility have?



Are any of the following services available at the exchange facility

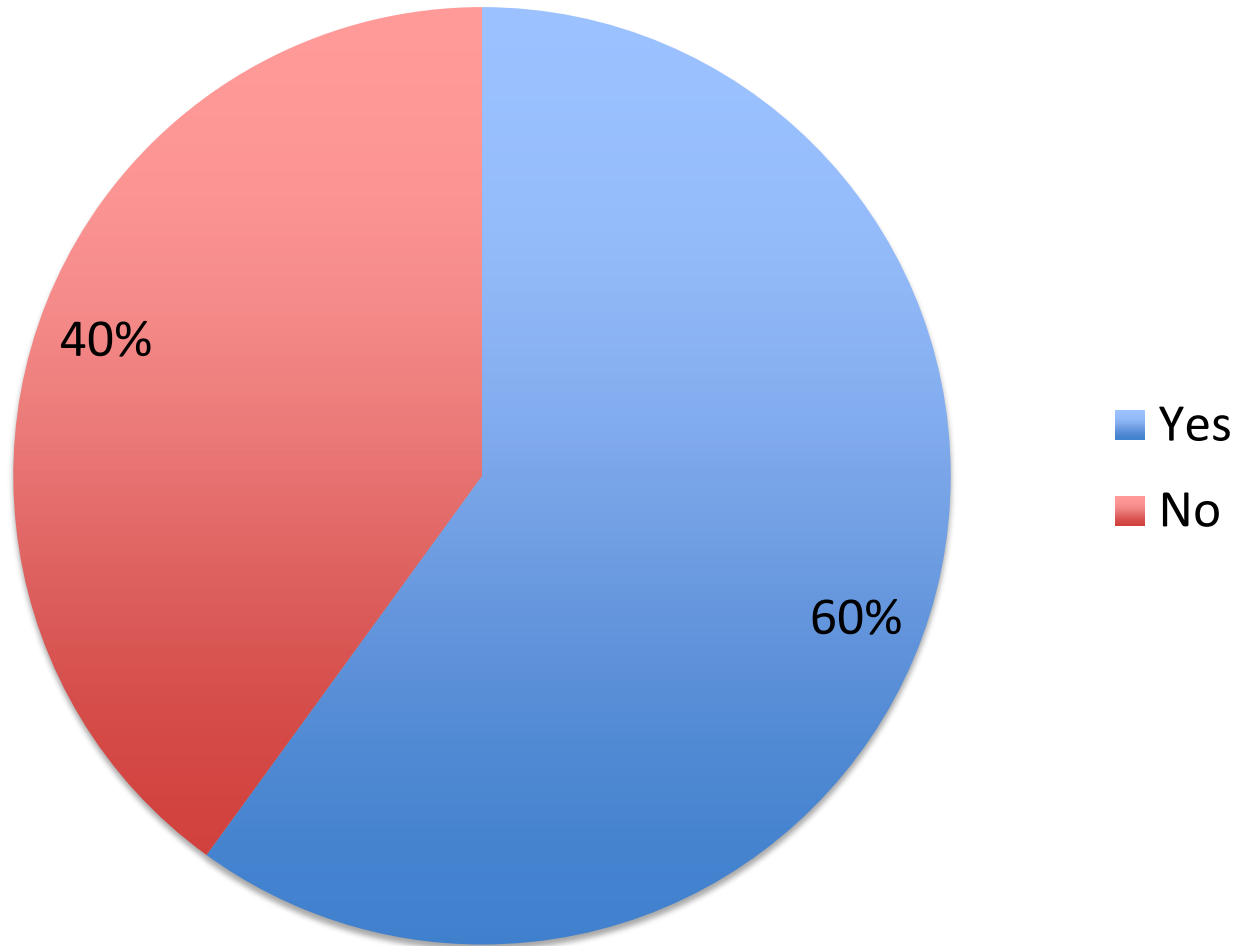


What type of peering model is in place at the IXP?

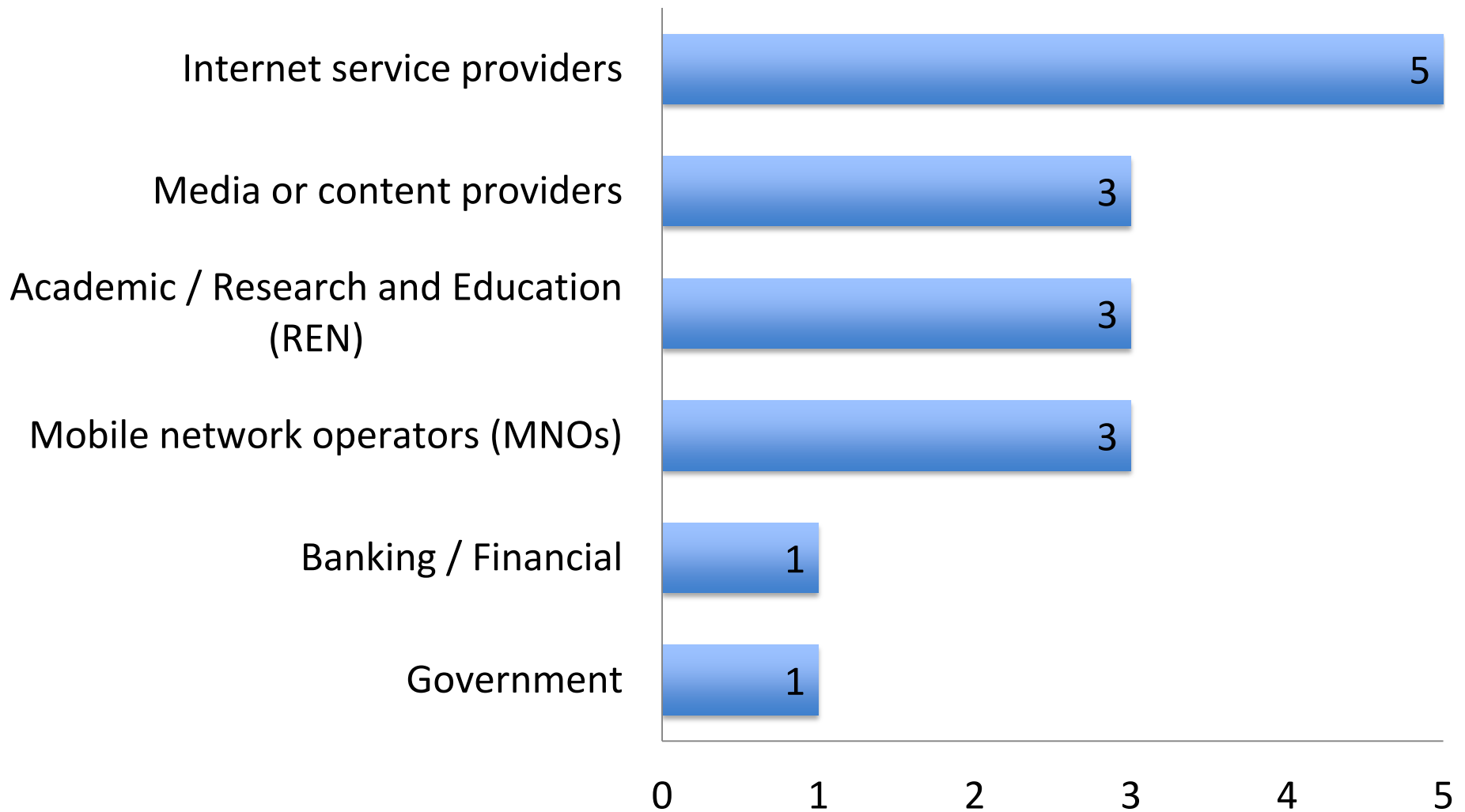


- Multi-lateral (a route server is available but usage is not mandatory and bi-lateral peering is also allowed)
- Layer 3 peering (networks connect via OSI Layer 3 to the IXP route server)

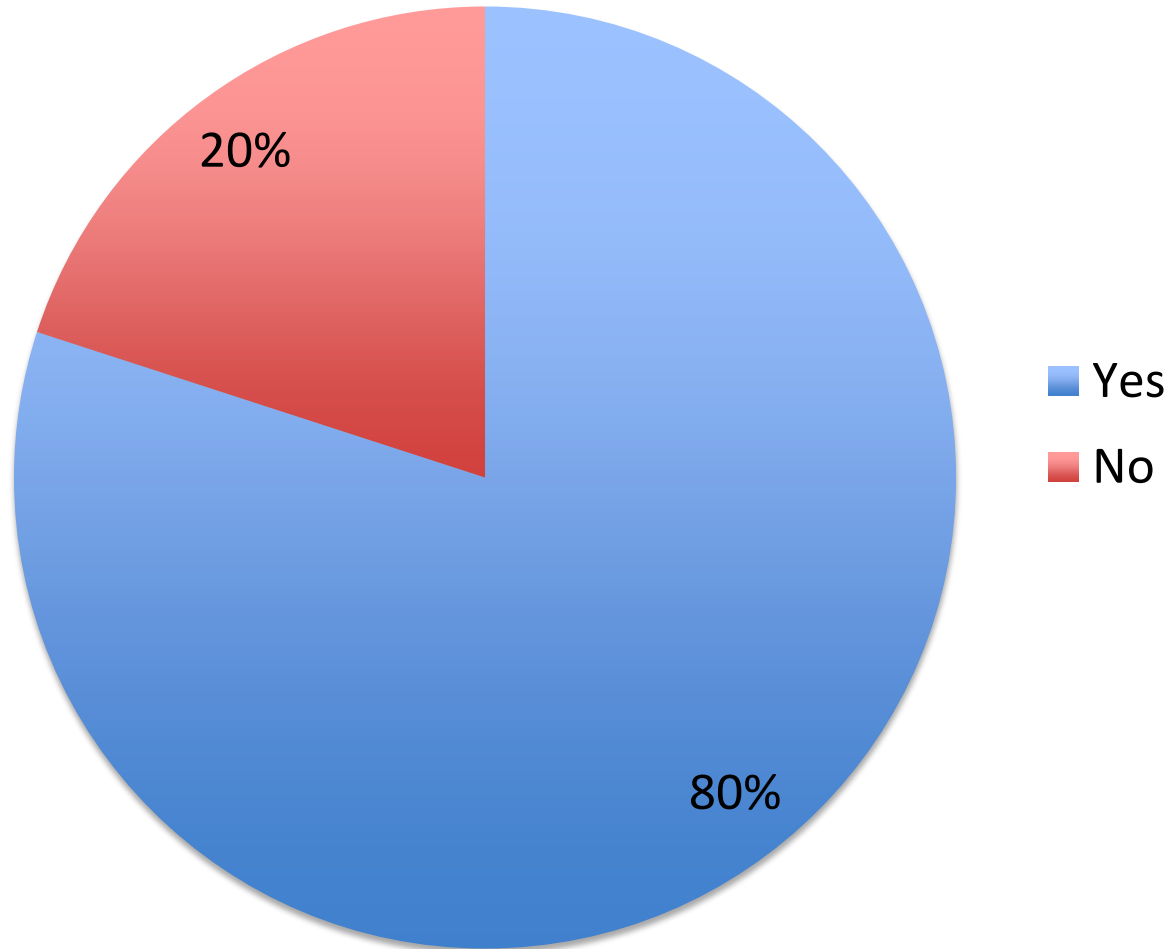
Does the IXP support remote peering?



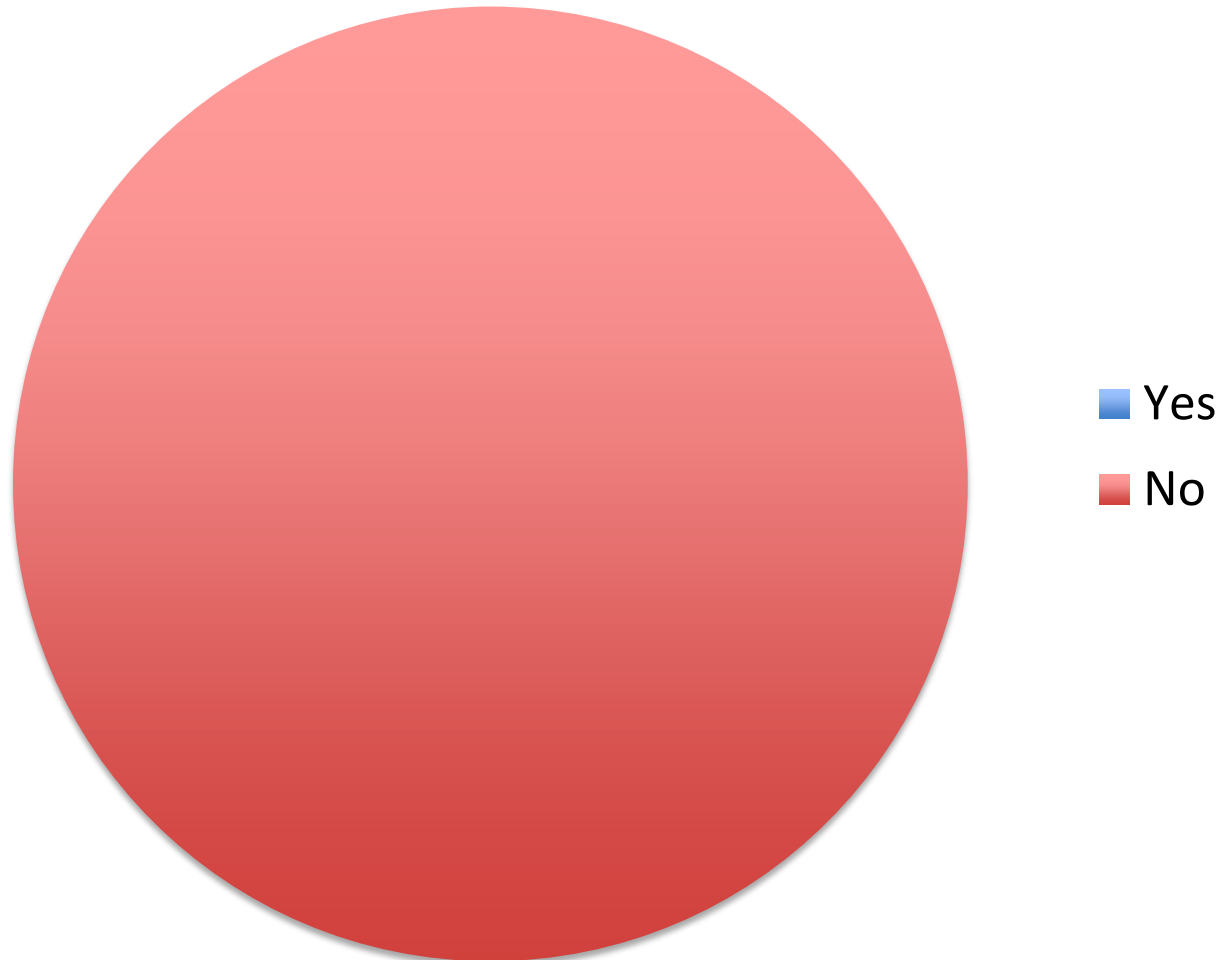
What type of peering model is in place at the IXP?



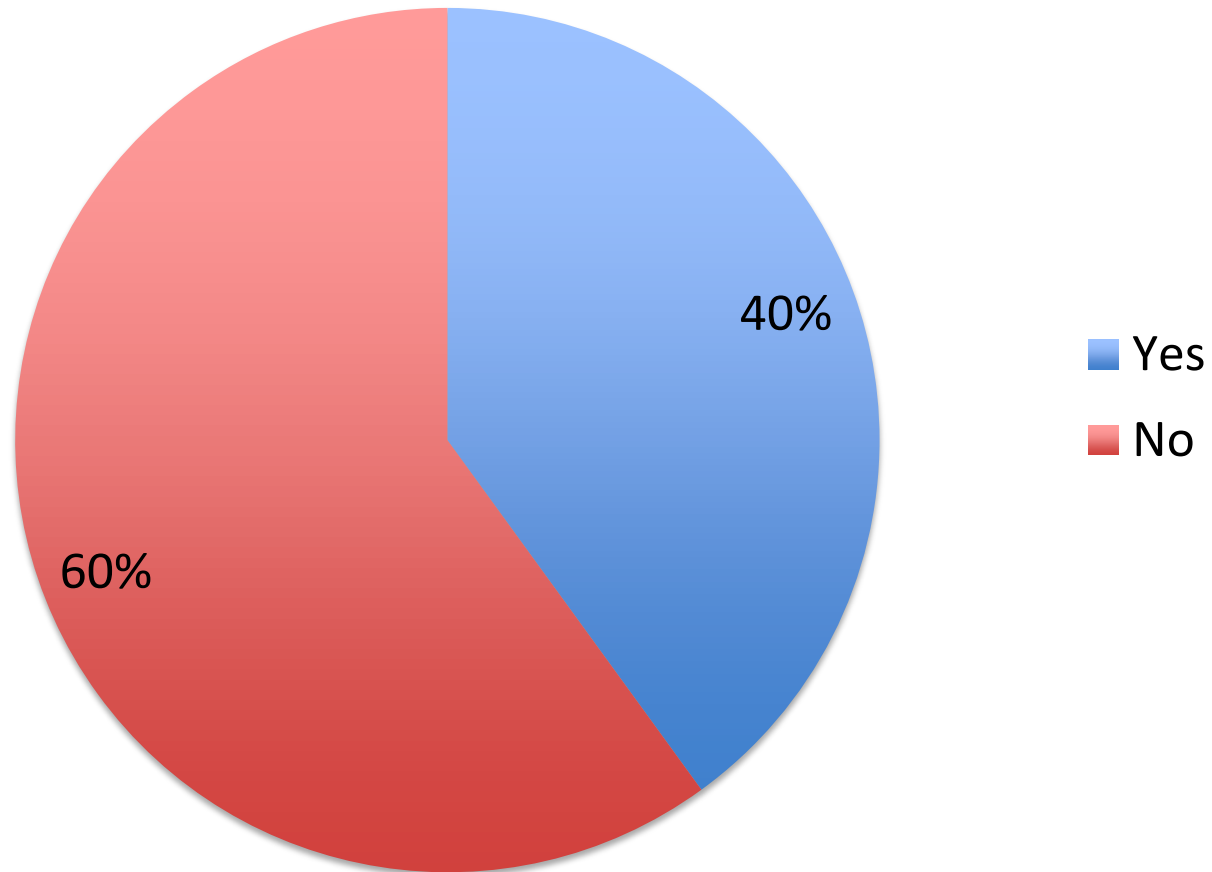
Does the IXP publish traffic statistics?



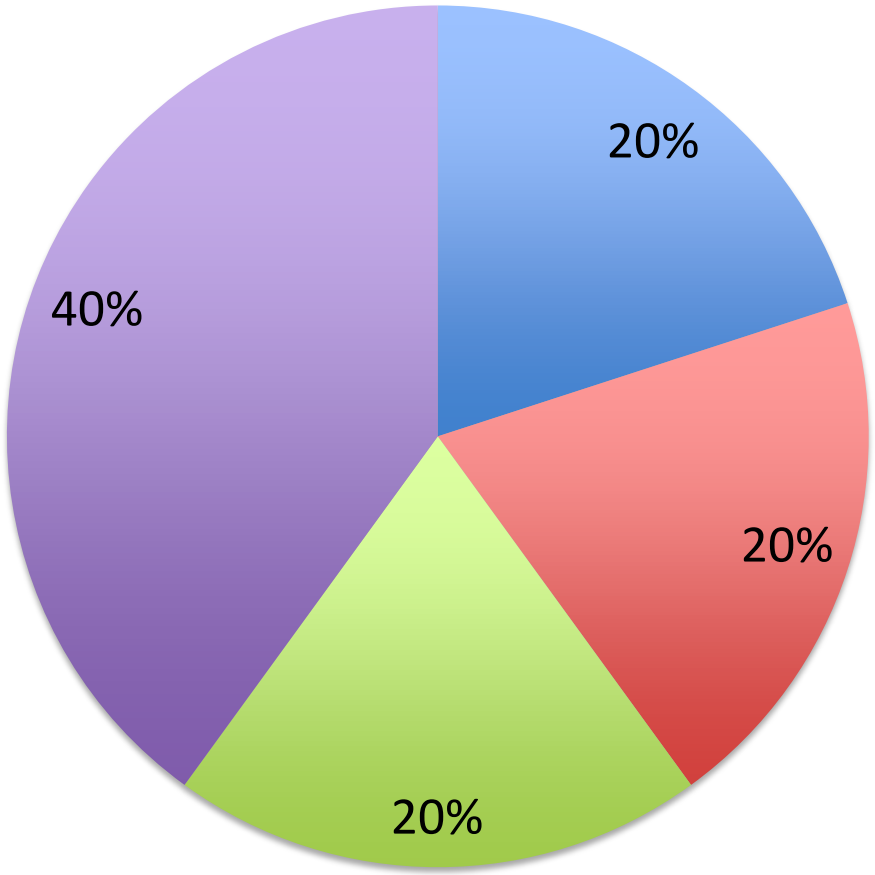
Does the IXP publish separate IPv6 traffic statistics?



Does the IXP support private interconnects or VLANs which carry traffic not included in the statistics above?

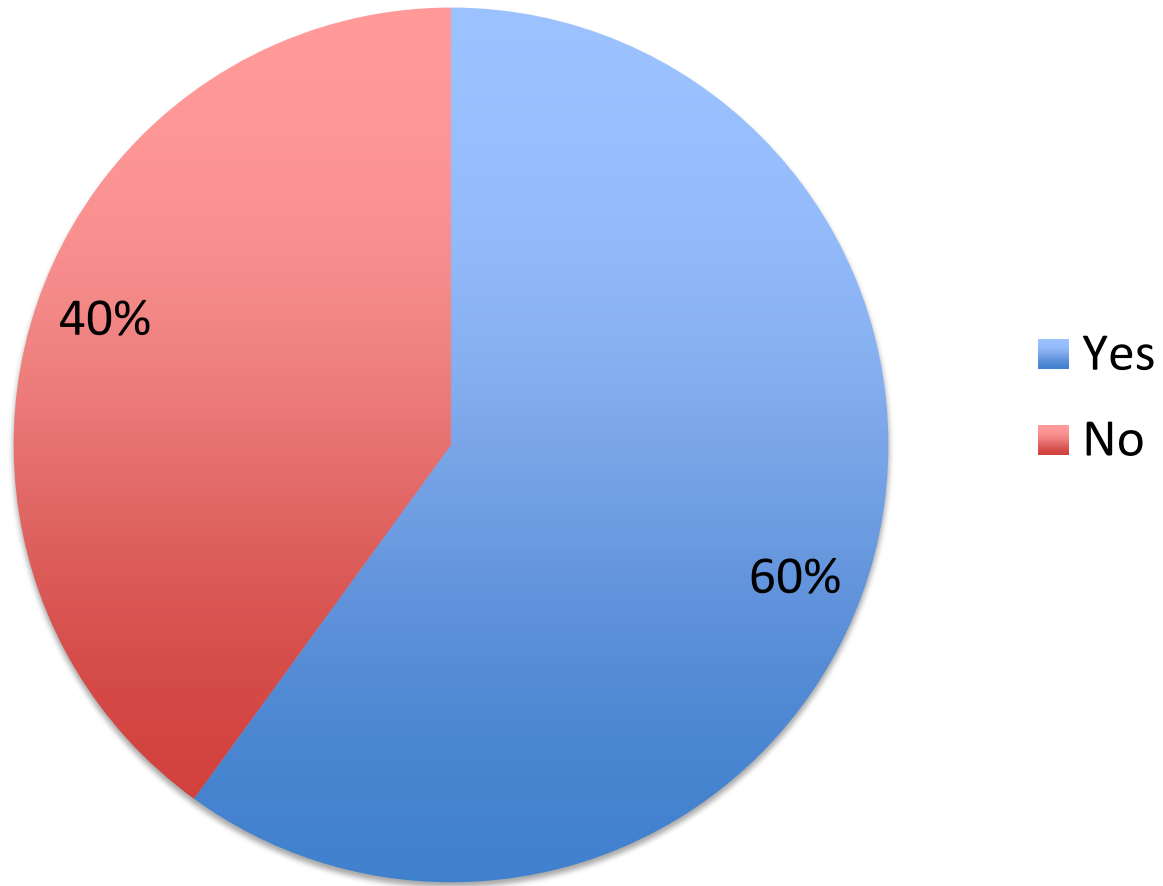


Does the IXP have and use assigned IP address space?

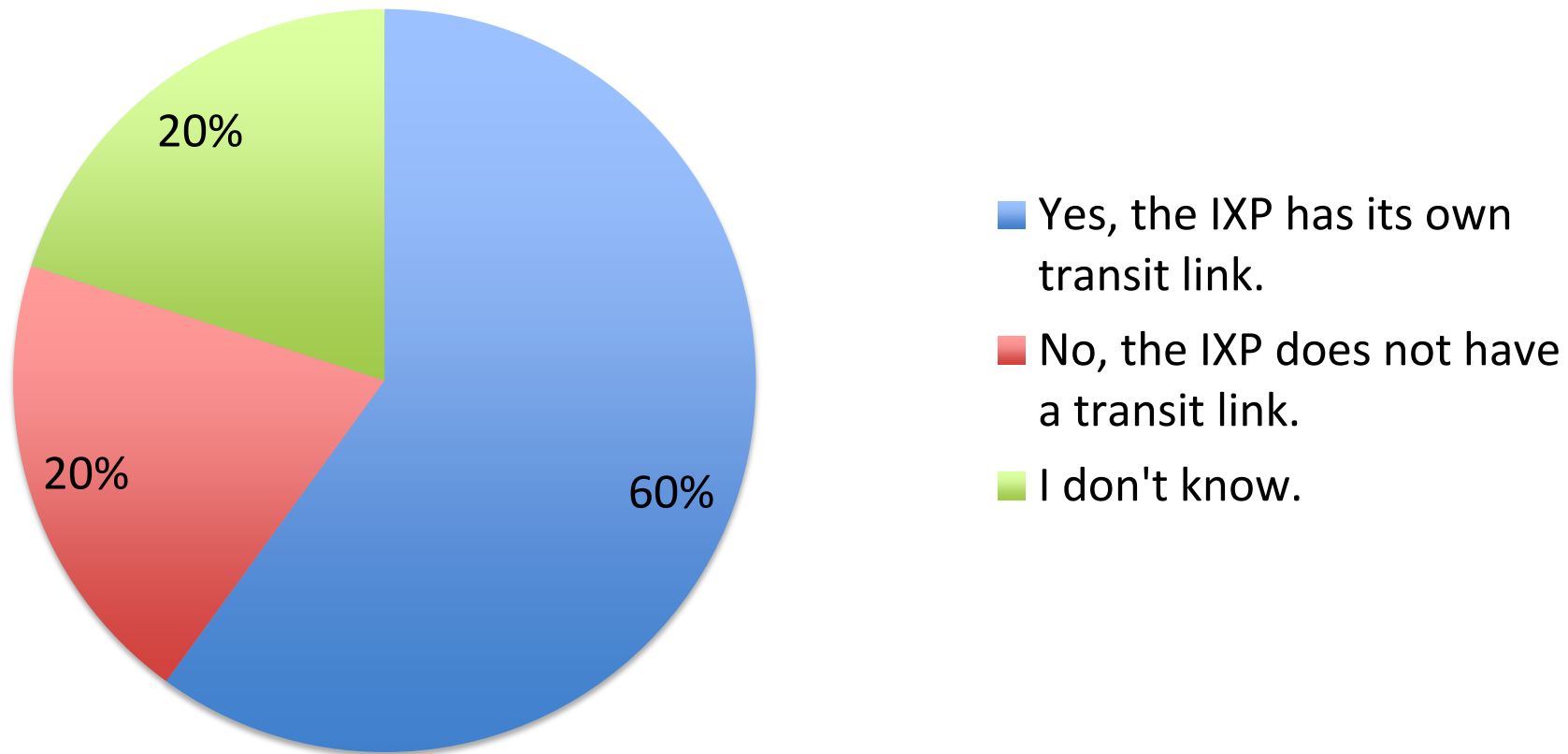


- Yes, it uses assigned IPv4 and IPv6 address space.
- Yes, it uses assigned IPv4 address space (only).
- No, it uses private address space (RFC1918).
- I don't know.

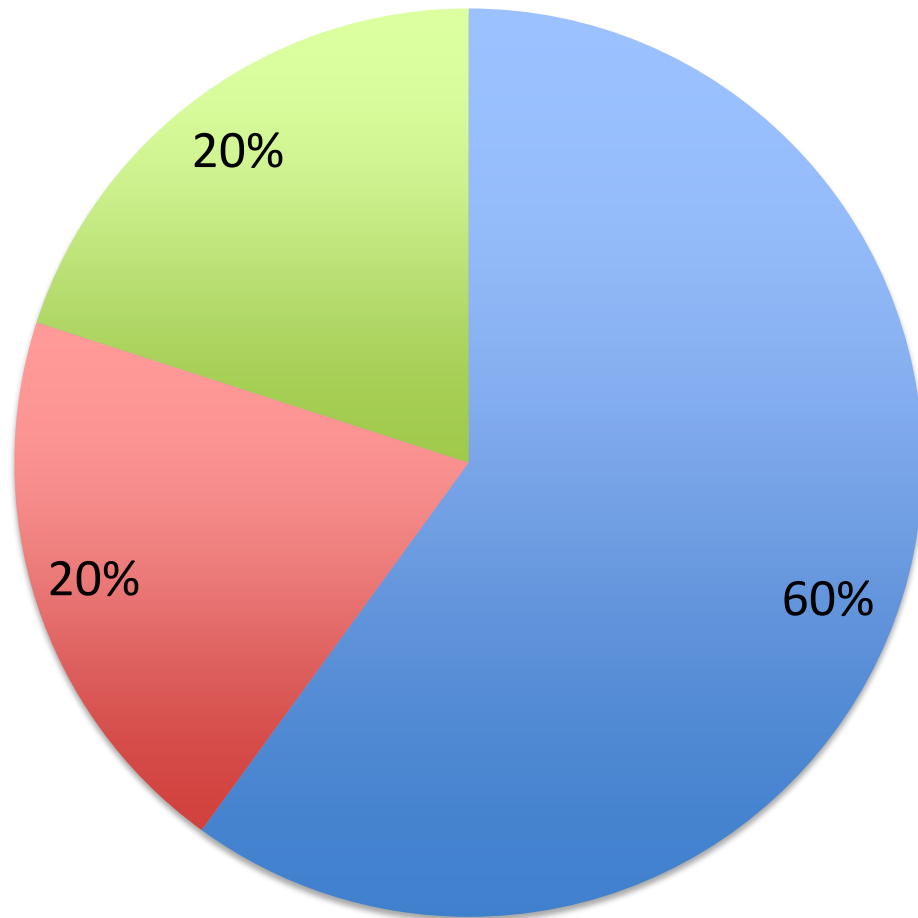
What is the IXP's Autonomous System Number (ASN)?



Does the IXP have a dedicated transit link for management and other services?

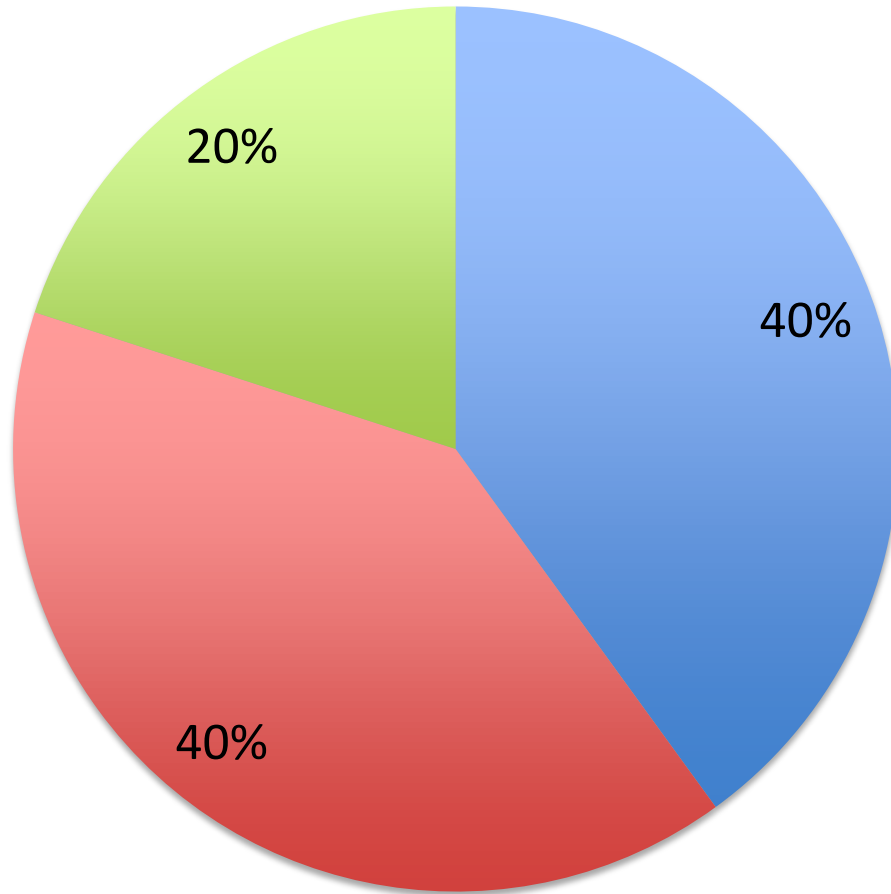


Does the IXP have server hardware and does it host services internally?



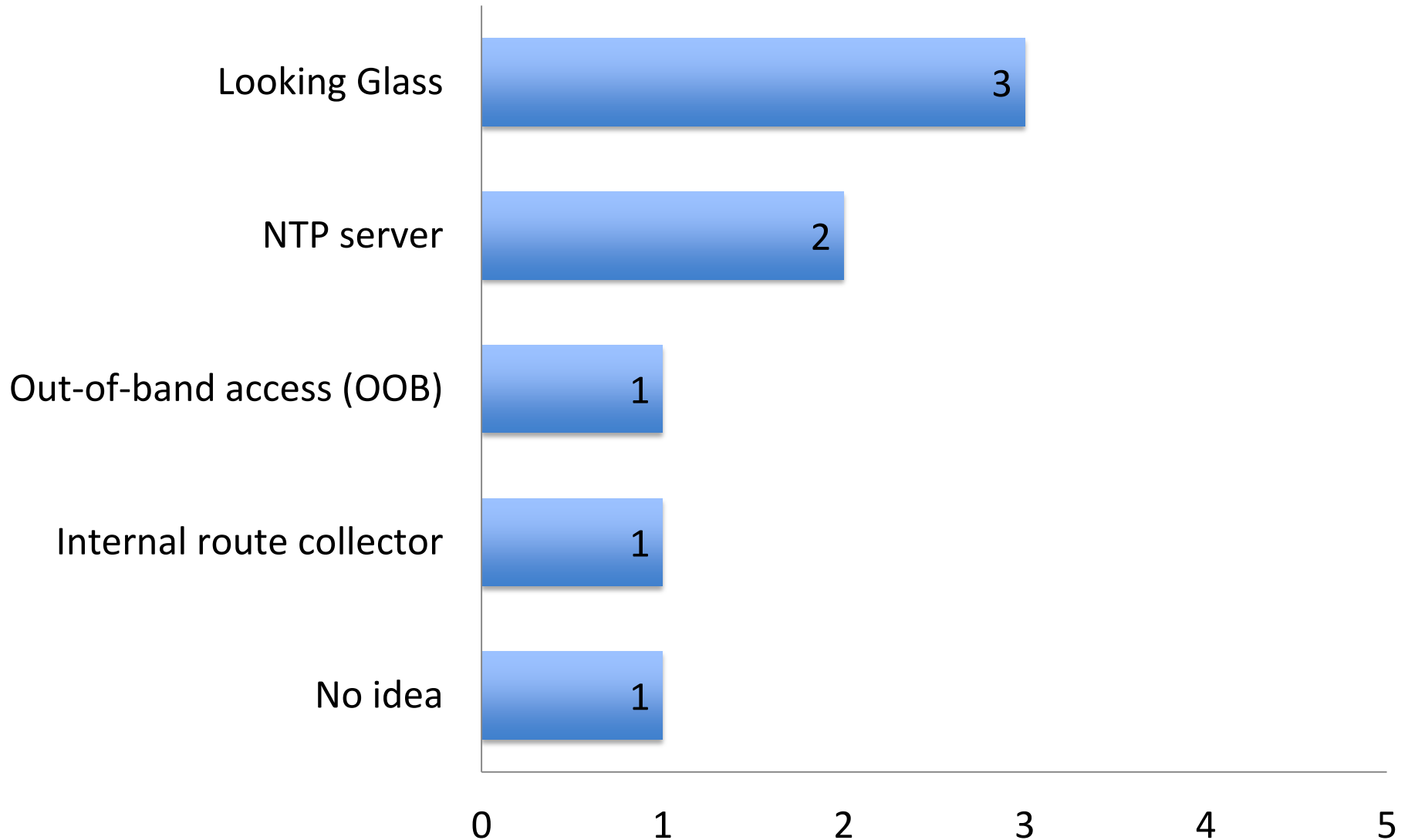
- Yes, the IXP has server hardware and hosts IXP related services.
- No, the IXP does not have any server hardware.
- I don't know.

Does the IXP have route servers?



- Yes, more than one route server.
- Yes, one route server.
- No, the IXP does not have any route servers.

What other value added services (VAS) are available at the exchange?



What DNS services are available at the exchange?

