



UPC Peering Principles

Introduction

UPC broadband holding services bv, and certain other companies in its group, (together "UPC") strive to provide premier direct Internet access to all of its customers. To accomplish this, UPC is issuing the statement of the principles which it follows, as a guideline of its technical and operational requirements for potential peering partners that wish to peer with UPC, UPC defines peering as the settlement free interconnection of administratively separate Internet networks for the purpose of exchanging traffic between the customers of each network.

This document is not a peering agreement. No contractual or any other rights nor any formal offer shall be inferred or arise out of this document.

Technical and Operational Requirements

In order for a potential peering partner's request to be considered for peering in Europe and/or the United States by the UPC broadband holding services bv. peering committee ("UPC Peering Committee") all of the following requirements need to be met by the potential peering partner:

- Not have been a customer of UPC wholesale IP service for at least 1 year;
- Not be (indirect) customer of an existing peer of UPC or of a UPC affiliate;
- Must meet one or both of:
 - have a European footprint, with presence in 5 countries where UPC also has presence and able to interconnect to UPC in at least **3 locations** using (1, 10 or 100) gigabit Ethernet;
 - have a non-European footprint and able to interconnect to UPC in at least 2 US locations;
- Meet a balanced traffic **ratio** between its network and UPC's network between **1:3** and 3:1 (inbound/outbound);
- Exchange a minimum of **5 Gbps** sustained peak traffic with UPC's network (number subject to change);
- Exchange a maximum of 3 Gbps per location where peering is established over a public internet exchange;
- Operate a professionally managed 24x7 NOC and provide UPC with all contact details concerning this NOC;
- Agree to actively cooperate to resolve security incidents and other operational problems;
- Demonstrate and enforce strict filtering policies to prevent route leaks;
- Show good faith efforts to facilitate communication regarding network maintenance with regard to the traffic exchange;
- Not abuse the peering relationship by engaging in activities such as but not limited to: pointing a default route or otherwise forwarding traffic for destinations not explicitly advertised, resetting next-hop, selling or giving next hop to others.

Requesting Peering with UPC

Potential peering partners shall send a written peering application to peering@aorta.net if they meet the above requirements. The application shall provide a description of the potential peering partner's network, give the exchange points where the potential peering partner has a presence, describe the type of traffic carried by the potential peering partner's network. Potential peering partners will be contacted to discuss their requests.

Note that the UPC Peering Committee:

- Evaluates requests based upon actual long term observed traffic;
- Will not setup trial peerings;
- Reserves the right (not) to peer regardless of requirements being met;
- Reserves the right to terminate peerings immediately in case of abuse;
- Reserves the right to terminate peerings for any other reason upon a 30 day's notice;
- Retains the right to protect its network from any abuse of the peering link(s) from its peering partner(s);
- Reserves the right to make exceptions to the policy.

General Information

Periodic review of this statement of principles will be conducted by the UPC Peering Committee to ensure that the eligibility requirements are consistent with UPC's business needs.

UPC may amend this document at any time.

Effective date: January 2012.

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