This questionnaire has been drafted in accordance with the Electronic communications and postal regulatory authority’s (ARCEP) Decision No. 2012-0366 of 29 March 2012, and constitutes its appendix.

To limit the amount of information that respondents and ARCEP are required to process, the parties covered by the decision are invited to transmit, for every AS[[1]](#footnote-1) they own, data concerning each individual agreement with a reasonable number of partner autonomous systems, namely:

* **the 20 main partners** in terms of total data conveyance or interconnection capacity (all points combined);
* **partners beyond the 20th who share a total capacity equal to or above 1 Gbit/s with the responding party’s own AS**, and having AS marked “FR” or “EU”[[2]](#footnote-2) in the RIPE database[[3]](#footnote-3).

*NB: an individual agreement refers to a data conveyance or interconnection agreement, whether formal or not, relating to a given point of interconnection/internet exchange point. A data conveyance or interconnection relationship between two partners can therefore contain one or several individual agreements.*

Also required are:

* the total capacity and total (incoming/outgoing) traffic flows of data conveyance and interconnection and their breakdown by type of relationship (E:1; n:1; 1:1; 1:n; 1:E – cf. *below*);
* the total capacity and total (incoming/outgoing) traffic flows of data conveyance and interconnection, **in each connected IXP and their cumulative value**.

**Specific regulation applying to undertakings designated by Article 2 of the decision (category 2)**

The undertakings designated by Article 2 of the decision have the option of excluding from their responses all data conveyance or interconnection relationships that are not likely to have a significant impact on the supply of public online communication services to users located in France.

The table on the following page provides details on the information to be entered in the different fields of the attached spreadsheet (sheet no. 1).

Spreadsheet no. 2 provides an example of a completed response.

| **Field** | **Description** |
| --- | --- |
| **Identification No.** | Number each line as follows:   * 1, 2, 3, … for the overall relationship with a given partner; * then 1.1, 1.2, 1.3, … for each individual agreement with this partner. |
| **Name of AS #1 / ASN** | Enter the name of your AS and the Autonomous System Number (ASN[[4]](#footnote-4)). If you have several ASN, list the successive agreements corresponding to each. |
| **Name of AS #2 / ASN** | Enter the name of the AS with which the relationship is established, and its ASN. |
| **Start date** | Specify the date on which the relationship between the two parties was established. |
| **Partner’s name and contact information** | Enter the name and contact information (postal address) of the natural person or legal entity responsible for managing the AS with which the relationship has been established. |
| **Type of relationship** | Indicate the type of relationship between the two parties, from among the following:   * Global transit [1:E] – AS #1 (respondent) employs AS #2 to supply a transit solution to all third-party AS; * Global transit [E:1] – AS #1 provides AS #2 with a transit solution to all third-party AS; * Partial transit [1:n] – AS #1 employs AS #2 to supply a transit solution to a number of third-party AS; * Partial transit [n:1] – AS #1 supplies AS #2 with a transit solution to a number of third-party AS; * Peering [1:1] – AS #1 and #2 mutually route traffic to their customers, their customers’ customers, etc. |
| **Financial terms & conditions** | Specify the financial terms and conditions of the relationship, e.g.:   * free; * paid; * paid on conditions (free up to a certain cap or ratio; then billed). |
| **Pricing scheme** | Provide details on the pricing structure in place and the rates charged for the different components, specifying the validity period. The pricing scheme must include both recurring and non-recurring components (including set-up fees if applicable). |
| **Capacity (Gbit/s)** | Indicate the link’s two-way capacity, in Gbits (rounded off to the nearest 10th) |
| **Information on the point of interconnection**  *[3 columns]* | Indicate in each column, if applicable:   * country where point of interconnection/internet exchange point is located; * city where the point of interconnection/internet exchange point is located; * in the case of a public internet exchange point, the name of the point of interconnection/internet exchange point where interconnection occurs or, on the contrary, the name of the party occupying the premises where the interconnection/internet exchange point is located. |
| **Traffic exchanged during *the six months in question* (Gbit/s) –** Calculation method detailed below[[5]](#footnote-5) | |
| * **Outgoing** | Indicate, in Gbit/s (rounded off to the nearest 10th), the quantity of data that AS #1 transmitted to AS #2 during the *six months in question*. |
| * **Incoming** | Indicate in Gbit/s (rounded off to the nearest 10th), the quantity of data that AS #1 received from AS #2 during the *six months in question*. |
| **Remarks** | Use this field to supply any additional information (e.g. rate of asymmetry of traffic streams which resulted in one of the AS being billed) |

1. An Autonomous System (AS) is a collection of IP networks controlled by a single entity, such as an ISP, a transit operator or a **provider of public online communication services** (PPOCS). [↑](#footnote-ref-1)
2. For historic reasons, a number of AS operating primarily in France are marked “EU” in the RIPE database (see below). [↑](#footnote-ref-2)
3. RIPE database (Réseaux IP Européens): <ftp://ftp.ripe.net/pub/stats/ripencc/delegated-ripencc-latest> => To be filtered using “asn” for AS, and “*ipv4* / *ipv6”* for IP addresses. [↑](#footnote-ref-3)
4. Each AS is identified by a unique number: the ASN, or Autonomous System Number. [↑](#footnote-ref-4)
5. The 95th percentile is the calculation method which is recommended but not mandatory. In any event, whether or not this is the method employed, respondents must indicate the specific calculation method used to obtain the value entered. [↑](#footnote-ref-5)