

2 Standard Products

2.1 Product Definition

For each Professional Standard Product, a specific FAP table is defined based on the following terms:

- Sliding Time Window (STW): traffic produced by each Account on the basis of specific sliding time windows. FAP applies to Professional Products as follows:

4 STWs for the Tooway Pro 10+

1 STW for the Tooway Pro ADSL and SDSL

- Volume Equivalent: aggregated volume of traffic measured in GByte (1GByte = 1000 MBytes) and calculated as the sum of the Volume of traffic in the Forward Link and the Volume of traffic in the Return Link:

$$\text{Vol. equivalent} = (\text{Vol. on Forward Link}) + (\text{Vol. on Return Link})$$

- Volume Equivalent Threshold: for each STW a maximum allowance of Volume Equivalent is predetermined. In case traffic exceeds any predetermined Threshold in the given STW, End-User will experience:

Limited peak rates (according to the FAP Table)

Potential protocol limitation: FTP, HTTP, POP3/SMTP, IMAP and DNS on UDP only will be guaranteed (4W only)

An End-User will continue to experience FAP limitation until traffic consumption returns within the allowed amounts for that given STW

In case multiple Thresholds are exceeded at the same time, the most stringent one will be applied until full restoration to nominal peaks occurs

As a remark: regardless of the FAP Policy, Skylogic reserves the right to block a specific incoming / outgoing connection in case of force majeure (for example in case of attack, virus, etc.)

- FAP Night Reduction Factor: percentage of the aggregated volume actually accounted during Night Time slot with regard to the Volume Equivalent Formula

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in this specific case, Night Time is defined as 11PM-05AM UTC

The FAP mechanism implementation in the Standard Service Model is under the responsibility of Skylogic and can be updated, modified, improved per Skylogic decision and upon appropriate advance notice to Customers.

Communication between user terminals is not allowed .

Professional Standard Products are:

- tooway Pro 10+
- tooway Pro ADSL
- tooway Pro SDSL

2.1.1 Standard Products Tables

| Service Release 1.0 | | | |
|---|----------------|-----------------|-----------------|
| Standard Products | tooway Pro 10+ | tooway Pro ADSL | tooway Pro SDSL |
| Max download, Kbps (as a remark 1Kbps = 1000 bps) | 10240 | 4096 | 4096 |
| Max upload, Kbps | 4096 | 1024 | 4096 |
| Public IP s allocated for the CPE s behind the UT Allocation of sequential addresses via DHCP No specific ACL | 4 | 4 | 4 |
| FAP Night Reduction Factor ¹ 11PM-05AM UTC | 50% | 100% | 100% |
| 4 Week aggregated volume consumption, GBytes (1 GB = 1000 MB) | 25 | 50 | 80 |

TABLE 1 - TOOWAY PRO - STANDARD PRODUCT SPECIFICATIONS

¹ 50% half of the aggregate traffic is accounted

100% all of the aggregated traffic is accounted



For tooway ADSL and tooway SDSL Products only, Skylogic will tailor the Service based on an estimated sharing of bandwidth resources between User Terminals on a contention rate of 1:30. This applies as long as FAP thresholds are not exceeded.

Table 2, Table 3 and Table 4 show the nominal FAP specifications for each Professional Products in the Tooway on KA-SAT in Service Release 1.0.

| FAP Description | tooway Pro 10+ | |
|-------------------|----------------|--------------------------|
| | V_{eq} GB | Throughput kbps (dwn/up) |
| NO FAP | - | 10240/4096 |
| 1h sliding window | 3 | 4096/1024 |
| 1d sliding window | 6 | 512/256 |
| 1w sliding window | 12 | 256/64 |
| 4W sliding window | 25 | 64/16 |

TABLE 2 – TOOWAY PRO 10+

| FAP Description | tooway Pro ADSL | |
|-------------------|-----------------|--------------------------|
| | V_{eq} GB | Throughput kbps (dwn/up) |
| NO FAP | - | 4096/1024 |
| 4W sliding window | 50 | 64/32 |

TABLE 3 – TOOWAY PRO ADSL

| FAP Description | tooway Pro SDSL | |
|-------------------|-----------------|--------------------------|
| | V_{eq} GB | Throughput kbps (dwn/up) |
| NO FAP | - | 4096/4096 |
| 4W sliding window | 80 | 64/32 |

TABLE 4 – TOOWAY PRO SDSL