

Defining a Formula for Determining Network Resource Usage That the SRC-VTA Evaluates

In the Usage Metric box in the VTA Configuration Manager, you define a formula that determines the use of network resources for a service. Each service in a VTA can use a different formula. You can configure the SRC-VTA software to evaluate this formula for every accounting event it receives from the SAE for each quota service. It can then debit the result from the accounts. Use the variables described in this section to define the formula.

downStreamBytes

- Amount of data that the subscriber downloaded from the network since the last accounting event.
- Value—Number of bytes in the range 0–9223372036854775807

downStreamPackets

- Number of data packets that the subscriber downloaded from the network since the last accounting event.
- Value—Integer in the range 0–9223372036854775807
- Guidelines—Do not use `downStreamPackets` in a usage formula and `maxUsageRate` in the interim interval formula for the same service at the same time.

interimTime

- Time since the last accounting event.
- Value—Number of seconds in the range 0–2147483647
- Guidelines—Generally, this value equals the interim accounting interval; however, it may exceed the interim accounting interval if an accounting event is lost. Similarly, the value may be less than the interim accounting interval if a stop event occurs in the middle of an accounting interval.

upStreamBytes

- Amount of data that the subscriber uploaded to the network since the last accounting event.
- Value—Number of bytes in the range 0–9223372036854775807

upStreamPackets

- Number of data packets that the subscriber uploaded to the network since the last accounting event.
- Value—Integer in the range 0–9223372036854775807
- Guidelines—Do not use `upStreamPackets` in a usage formula and `maxUsageRate` in the interim interval formula for the same service at the same time.

