

# QUOTA MANAGER (1.0)

The market demand for global GEO High Throughput Satellite (HTS) services will reach 1.9Tbps by 2024<sup>1</sup>. The majority of this demand is predicted to be from broadband services. A further breakdown reveals that broadband represents 78% of HTS capacity demand but “only” 23% of service revenues<sup>2</sup>. This means Broadband is a high-volume, low margin business. On the one hand, this trend makes the ‘monetization’ of broadband services a priority for Satellite Operators and its Virtual Network Operators (VNOs)/Internet Service Providers (ISPs). However, on the other hand, they are faced with the challenge that monetization solutions are designed for the mobile world and are not only expensive but also inadequate for HTS broadband market.

ST Engineering iDirect’s Quota Manager (QM) provides the ideal monetization tool for ISPs that use our Newtec Dialog product line by providing a cost-effective, flexible and high-performance policy management solution.

## Low Entry Point

- Pay as you grow model
- Perpetual licenses

## Flexibility

- Daily, weekly or monthly bill cycles
- Overlapping policies
- Day-of-the-week or Time-of-the-day policies

## High Performance

- Use of Time Series DataBase (TSDB) enhances data retrieval performance
- Modular & scalable architecture

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## QM CONSISTS OF THE FOLLOWING SUB-MODULES:

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QM Core: This module contains the main business logic and is the entry point for administrators and operational users. The QM Core allows the configuration of entities like terminals, subscriptions, bundles, and policy actions. This module also provides an API layer for the integration with upstream BSS applications.



**Data Collector:** This module is responsible for retrieving the accounting records from Dialog and storing them in the local TSDB.

**Event Reporting:** This module provides basic out of the box reporting capability to be used as operational reports or for reconciliation purposes.

**Databases:** QM consists of two databases. A relational database for configuration management and a time series database for storing accounting information.