

Monetize > Personalize > Optimize > Monetize > Personalize > Optimize

- Monetize Application
- Personalize Services
- Optimize Network

Torres Policy Control solution comprises policy enforcement point (PEP) – Torres IP Service Flow Manager and policy decision point (PDP) – Torres Service Management Platform (SMP). It also supports third party WiMAX base stations as PEPs.

The integrated PEP and PDP solution, a one of its kind in the market, provides unique advantages in terms of new service rollouts, scalability, efficiency and cost. Torres Policy Control solution enables monetization and personalization of services and optimization of network resources.

Managed Service Providers

There is a growing trend among SMBs across geographies and verticals to offload their IT needs to Managed Service Providers (MSP) or IT Service Providers. To remain competitive, service providers have to offer new differentiating managed services as well as reduce their operating cost while improving operational efficiencies.

The Policy Control solution enables MSPs to offer bandwidth management and business traffic prioritization to their customers, as a new recurring revenue generating service. It is tailored for MSPs, offering ISFM as customer premises equipment (CPE), and provides unique features in the SMP for rollout of large scale deployments, personalized services and optimized network operations.

Telecom Operators

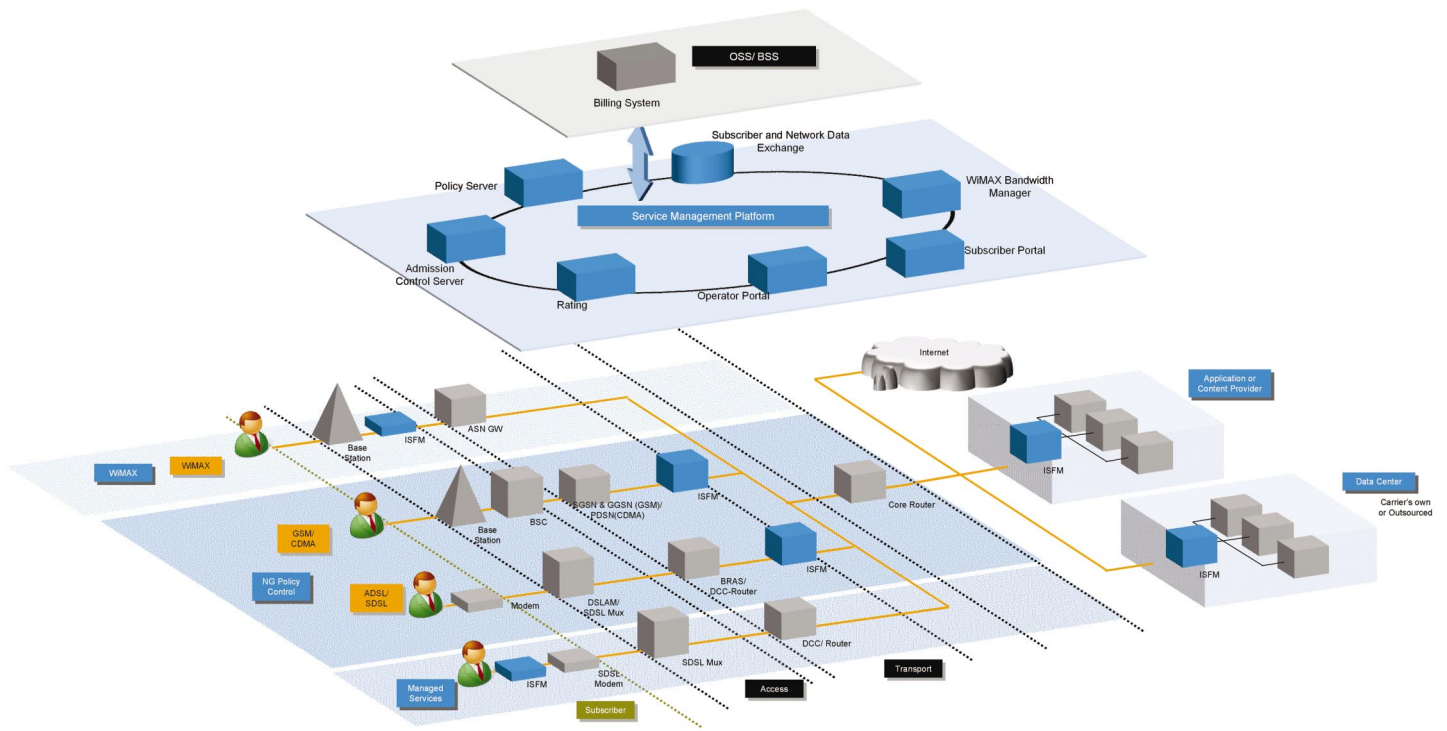
Telecom Operators are constantly looking to increase their ARPU by rolling out new services. The operator has to balance between offering new personalized services to their subscribers and

ensuring that the services are monetized. To improve overall efficiency, network operations have to be optimized. Torres Policy Control solution addresses and enables the operator to overcome the above challenges. The solution has evolved from field tested products, currently serving a huge subscriber base of around seven million.

WiMAX

Rollout of mobile WiMAX networks for voice and broadband requires higher CAPEX per subscriber when compared to existing GSM/CDMA networks. In addition, subscribers will need to be connected seamlessly with neighboring 2G/2.5G networks. Torres Policy Control solution enables rollout of 4G mobile WiMAX networks at existing 2.5G costs. Torres patent pending technologies enhance the effective bandwidth capacity of third party WiMAX base stations leading to substantial reduction of CAPEX. The Policy Control solution enables revenue generating services such as voice and also streamlines network operations thereby reducing OPEX.

DEPLOYMENT ARCHITECTURE



Torres IP Service Flow Manager (ISFM)

Torres IP Service Flow Manager (ISFM) is a policy enforcement point (PEP) for traffic prioritization and bandwidth management. It detects several applications and applies policies. These policies are provisioned locally or set by the Torres central Service Management Platform (SMP).

The ISFM could be deployed both in the core and the access. The product is an appliance and has multiple variants from desktop to rack mountable models suitable for both enterprise and carrier networks. ISFM supports a range of throughput from 10 Mbps to 2.2 Gbps.

Torres 7100 Series ISFM is a CPE appliance, 7200 series ISFM can be deployed in network aggregation points, while 7300 Series is a carrier grade model.

Torres Service Management Platform (SMP)

Torres Service Management Platform (SMP) is a policy decision point that centrally controls subscriber access, dynamic policy management, network monitoring and application monetization. The software platform is deployed in the carrier NOC and in the data centre of Managed Service Providers.

The SMP consists of various components such as Admission Control Server, Rating Control, Subscriber Portal, Operator Portal, Subscriber and Network Data Exchange and the Policy Server.

These components are well integrated to provide a holistic centralized control for the operator. This enables large scale deployment, personalized services and optimized network operation.

Torres WiMAX Bandwidth Manager (WBM)

Torres WiMAX Bandwidth Manager (WBM) is a WiMAX specific component in the Service Management Platform (SMP) and forms a part of the WiMAX CSN. WBM is a carrier grade software component that performs intelligent network initiated handover (NIH) resulting in enhanced network performance and cost savings to the Telco.

The WBM communicates with base stations (source and target) through ASN Gateways and initiates movement of mobile station from one base station to another. The mobile station could be any WiMAX "e" standard device – mobile phone, USB etc.

Load balancing of WiMAX base stations, bandwidth enhancement using Torres patent pending technologies, traffic shaping and QoS guarantee are some key benefits of WBM.

About Torres Networks

Torres Networks Limited (TNL) founded in October 2006, is registered in Ireland. The company is headquartered in Dublin with offices in Bangalore, India; and Germantown, MD, USA. It is funded through private equity firms in Luxembourg and Monaco in Europe. Torres Networks offers a suite of enterprise and carrier grade Policy Control solutions tailored for Managed Service Providers (MSP), IT Service Providers, Telecom & WiMAX operators.