

The Multiservice Packet based Transport Network enables the Digital Services Delivery

The ambition of “New Generation Network” concept is to give a “convergent answer” that blends the points of many different players:

- Subscribers that are looking for cheap, useful and easy-to-use services: spanning from communication to content enjoy.
- Operators that are trying to reduce their costs and contemporarily to increase their market share and return of investment
- Technology Providers that are proposing new solutions, trying to follow all the above expectations.

A unified convergent answer to a so rich set of requirements can be seen as:

- service convergence: unique service experience regardless the users are mobile and fixed (e.g. SMS, MMS, voice, BB data), one identification/number, one bill.
- network convergence:
 - o one transport network enabling the transmission of all types of new emerging services and legacy,
 - o one control switching plane independent of access types,
 - o unified server and database platform for any type of services/users

Ease of use for services as well as for networks is a “must” for every successful solution. That leads a supplier to an effort of standardisation and integration that are the basis to allow network opex reduction by the operators.

A flexible and truly Multiservice Packet Transport Network is the key to enable the introduction of IP-pervasive new services, multimedia convergent and bandwidth hungry as well as to maintain the possibility to afford various type of requests in terms of reliability and quality of the deployed integrated platform. In fact configurable degrees of QoS and tuneable SLAs, are key features that make operators breath better, especially regarding future and unknown evolutions of the subscribers’ request.

For these reasons a comprehensive control of the traffic carried on their own infrastructures remains focal for the operators that longs for VAS. A very reliable MPLS-GMPLS based solutions grants best in class features in terms of traffic protection together with meaningful infrastructure saving, with the ability to assure to customers high business continuity performances and to face emergency situations.

Last but not least: a convergent platform is required to allow a smooth growth, modularly and flexibly following the emerging needs, giving the possibility to leverage on infrastructures and skills already in place.