

Mobile network evolution to NGN

Services are the main way of continuing to develop the telecommunications business, as mobile and fixed lines penetration rate reaches a maximum in many countries. Ease of introduction of new services, flexibility, richness and multimedia are some but not all of the characteristics of the networks to be specified and deployed. UMTS, as a good representative of IMT2000 family member, has followed an evolution, through the various defined releases (99, 4, 5, 6 and 7) which is based on NGN architecture. We will go through this evolution and focus more specifically on the IP Multimedia Sub-system (IMS) which is today the main concern of 3G cellular networks operators.