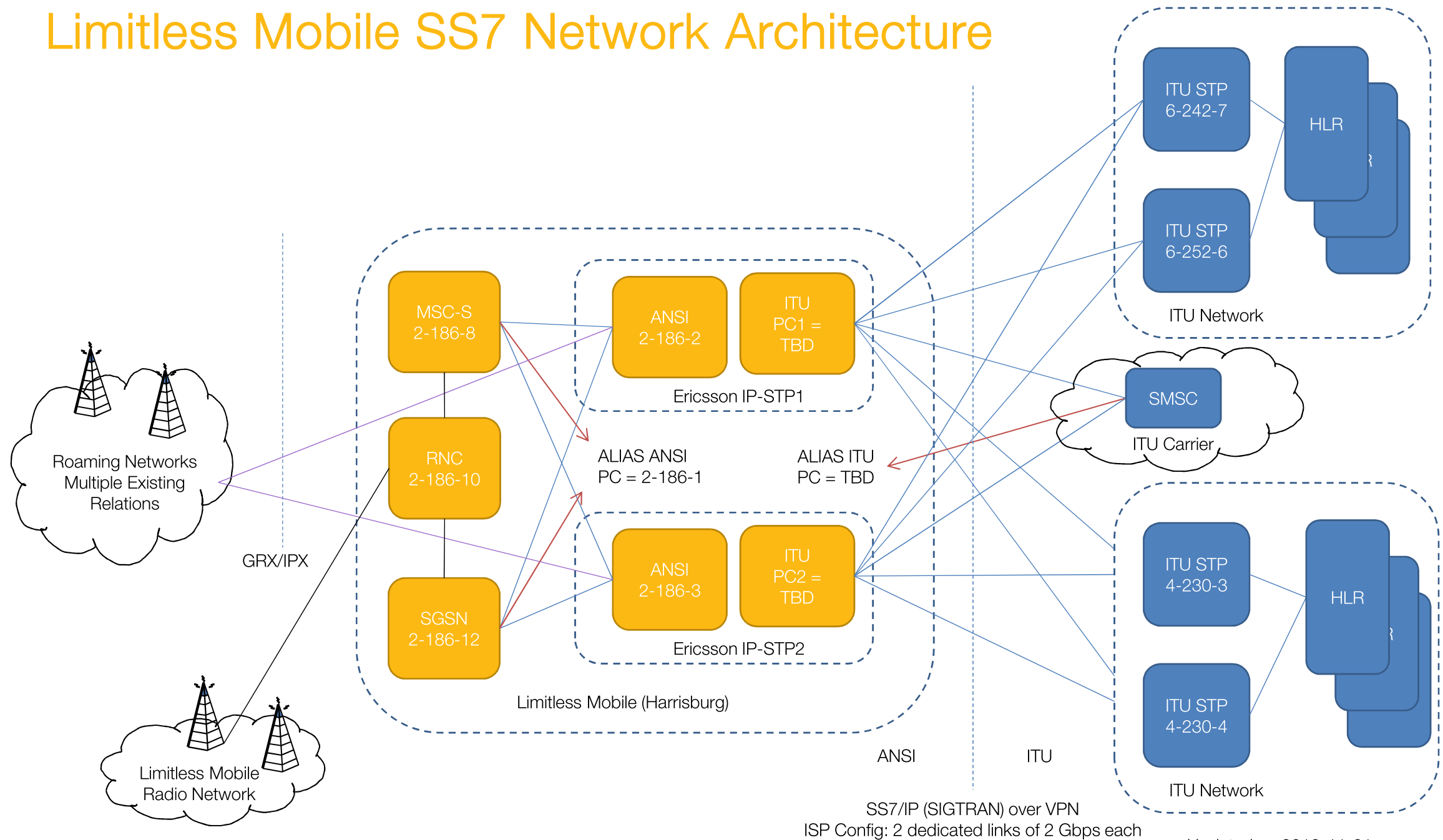


Limitless Mobile SS7 Network Architecture



Ericsson IP-STP

<https://www.ericsson.com/en/portfolio/digital-services/cloud-communication/cloud-signaling/ip-signalling-transfer-point>

IP Signalling Transfer Point

The next generation Ericsson IP-Signalling Transfer Point reduces the complexity of the network by acting as an aggregation point and a single point of interconnect towards other networks. The result is a more robust and scalable signaling network, as well as significant savings in terms of capital and operational expenditure. It is available as a native IP-STP or as a virtualized IP-STP, (vIP-STP).

The Ericsson IP-Signalling Transfer Point has a small footprint and power consumption compared with previous generations. The Ericsson IP-STP also provides a powerful Protocol Tracer, which is integrated with the Ericsson Blade Server Platform and is part of Ericsson's network management systems.

The Ericsson IP-Signalling Transfer Point supports signaling over IP as well as legacy transmission technologies (TDM) in the same node. It combines the strength of the well proven technology (more than 5000 installations worldwide), with the latest technologies and can be optimized as a centralized signaling node in a 3GPP core network.

Ericsson is one of the leading vendors of signaling products and has a complete portfolio of products for SS7, Diameter and SIP signaling. The SS7 signaling stack is the foundation of the Ericsson IP-STP and is used in more than 400 mobile networks.

The Ericsson IP-Signalling Transfer Point runs on the Ericsson BSP 8100, a platform that caters for a powerful signaling node and provides Multi Application Support. This for example means that SS7 and Diameter signaling can be handled in the same physical subrack.

The Ericsson IP-Signalling Transfer Point is complemented with a range of Ericsson services, which are delivered by certified consultants with long experience from systems integration. This assures a truly future-proof SS7 signaling network solution that can be deployed without disturbances and evolve towards a converged signaling architecture for all signaling network elements.

