

1.4.2 Migration from TDM to NGN

Siemens

It is obviously that NGN will take place. But in comparison to the 90s NGN realities today are : “NGN has to guarantee investment protection of existing infrastructure”. According to Dittberner Reseach 2002 most interviewed executives of american and european telecommunication operators stated that reduced operational cost is the most critical factor of NGN deployment. Other main drivers for NGN deployment are available new services and scalability. Thus a migration from TDM to NGN is more suitable for most of carriers.

Ideally the TDM to NGN migration should support full legacy feature set, allow the introduction of new, revenue-generating services, yield low technology introduction costs, result in lower Operational Expenditures, increase Return on Assets.

Taking into consideration all these factors, ICN Department of Siemens AG has designed such product family and solutions, called SURPASS. SURPASS consists of several building blocks : SURPASS access, SURPASS optics, SURPASS switching, SURPASS management.

One of the main component of SURPASS switching is SURPASS hiE 9200. hiE 9200 is the evolution of EWSD - the most successful TDM Switching System, the migration switch for existing EWSD networks with a step-by-step approach to full NGN, 100% TDM plus 100% IP, the leading-edge product to provide NGN with the complete TDM feature set, the carrier grade solution for Trunking, Local Access and Applications. on one platform for TDM and NGN, stands for maximum protection of TDM investments. Thus SURPASS hiE 9200 paves the road to get NGN.