

# USE OF TOOLS FROM ITU PARTNERS

## Business Planning Domain

**Business decision making support tool** that enables the analysis of business models and cost assignment for Telecommunication Networks and services over a period of time.

Business planning tool is based on a service demand model that is categorised by market segment, service type and geo-type. That demand drives the resource dimensioning, replacements, costing and revenue generation as well as the calculation of all financial parameters and ratios.

## Switching and Routing Planning Domain

**Traffic Distribution tool** used to generate point-to-point traffic matrices based on various demographic and geographic assumptions. In addition, this tool can be used to estimate unknown traffic for the next planning period based on certain traffic growth assumptions. This tool offers an excellent means of generating an initial traffic matrix from uncertain data and offers various controls to perform what-if analyses.

## Fixed Access Planning Domain

**Fixed Access Planning tool** used for modeling business plans and feasibility studies for the deployment of access technologies. The tool captures subscriber information, models different service combinations and technologies and selects the best technology for the task, to calculate ROI, NPV, cash flow, revenue and an optimized roll out strategy. Fixed Access Planning Tool uses a Geographical Information System (GIS) system, based on Map Objects ESRI® and MapX - MapInfo® to provide direct visualization of maps, network equipment and data.

## Transmission Planning Domain

**Transmission Planning tool** that supports transport network design based on PDH, SONET/SONET, and optical networking technologies. It covers a wide range of network architectures, including ring, mesh, and ring-mesh hybrids. Transmission Planning Tool allows to define a variety of technology, architecture, and network constraints that must be explicitly honored during the design. The tool also supports an analysis module for checking design results and for performing what-if analyses.

## Radio Access Planning Domain

**Radio Access Planning tool** is a microwave link-planning tool from, which provides the network planner with state-of-the-art and easy-to-use functions during the entire design process. Radio Access Planning tool is a complete solution for fast microwave link engineering and designing of PMP/WLL/LMDS/WiMAX networks. It can be used for planning and optimizing single links (e.g. path loss, coverage and availability calculations) as well as for doing network-wide analysis (e.g. interference calculation, channel assignment).