



# ULTIMA NDM™



## NETWORK DIMENSIONING FOR GSM NETWORKS

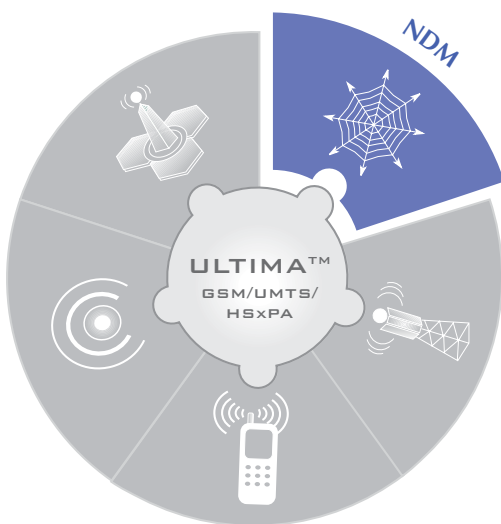
### OVERVIEW

Ultima NDM™ is a comprehensive user-friendly dimensioning and load analysis tool for GSM networks. The introduction of new technologies and services requires detailed analysis of the resulting impact to the existing network and an accurate estimate of the additional requirements and resources needed. Network dimensioning is a basic function performed by operators in order to reduce OpEx and deployment costs. Without the proper tools either network over-dimensioning will take place, resulting in over-investment, or under-dimensioning may occur, causing dissatisfied customers and possible churn.

Ultima NDM™ maximizes network efficiency and performance by identifying network bottlenecks and providing TRX configuration recommendations under given Quality of Service (QoS) requirements. Ultima NDM™ provides insight into the various aspects of traffic distribution among the TRX timeslots and makes recommendations for improvement by reducing TRX overhead, preparing for future TRX expansions and reducing OpEx and deployment costs.

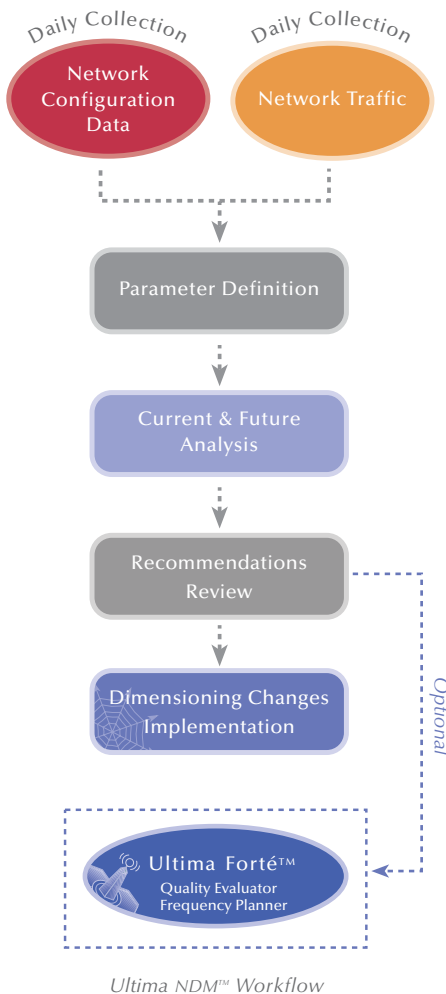
### KEY BENEFIT

- ))) Reduces Opex and deployment costs by optimizing network resources utilization
- ))) Lowers the need to invest in new infrastructure
- ))) Accelerates network expansion through planning based on forecasted growth, usage patterns, new features and technologies
- ))) Allows for cost effective and timely planning of the network in terms of new TRX and/or cell site additions
- ))) Increases ROI on existing network resources
- ))) Fully integrated with Ultima Forte™ to provide a complete frequency planning and dimensioning solution



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FOR MORE INFORMATION  
VISIT [WWW.SCHEMA.COM](http://WWW.SCHEMA.COM)



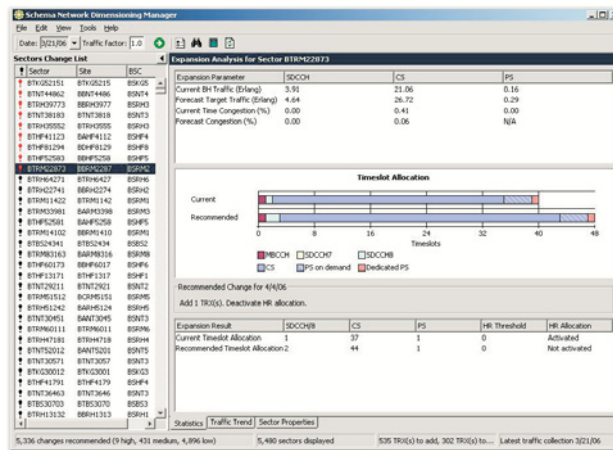
## FEATURES

- ))) Displays past and current voice and data traffic distribution
- ))) Displays the TRX usage by traffic types (voice, signaling and data)
- ))) Displays current bottlenecks
- ))) Recommends TRX addition or removal according to automatic trending towards a future date, expected traffic increase and given QoS requirements

Ultima NDM™ retrieves its input from two sources:

- ))) Network configuration data coming from switch dumps
- ))) Traffic statistics

The data can be updated at any time manually, or performed automatically by a prescheduled daily process. Data is stored for a period of 8 weeks or less.



Dimensioning Recommendations: Sector Expansion

