



## NSF Telecom solutions for TETRA Professional Communication

TETRA -Terrestrial Trunked Radio - is an open digital trunked radio standard defined by ETSI to meet the needs of the most demanding professional mobile radio users.

When establishing the operation of a TETRA network, the user definition, i.e. commissioning in terms of the terminal users in multiple user organizations must be easy and rational. The operational personnel should have automated authentication with differentiated access privileges including the logging function in order to be able to track the actions taken.

The day to day operation and maintenance tasks are to be automated in order to secure the effective use of resources and the high service level that is expected by users of these mission critical communication networks.

In order to ensure the operational excellence now and in the future a lot of information is collected, manipulated and distributed for different purposes like, cost allocation, interconnect clearing, service level assurance, alarm handling, user statistics, traffic analysis, network planning, logging functionality, tracking unauthorized access attempts etc.

The service enablement middleware **NSFGate** is the needed intelligence between the operation and user management systems and the network resources.

**NSFGate** executes all the task commissioning and takes care of the security issues. The inbuilt intelligent logic allows the automation of the tasks in order to make it secure and easy to operate. The retrieval of information i.e. the collection and mediation of the information received from the network elements as well as the distribution of this retrieved data to the desired predefined destinations in proper formats is also taken care of. The distributed information can only be accessed by the authorized personnel in order to secure the network and user integrity.

