



TrafficSWing GTN

Graphical and technological layer

- Online traffic situation overview
- Automatic traffic log
- Visual communication prevails over voice communication
- More time for decision making by dispatchers
- Two-way data exchange with information and control systems
- Train traffic data transmitted to passenger information system
- Access to diagnostic information on moving train
- Automatic route setting



GENERAL DESCRIPTION

Graphical and technological layer of signalling systems TrafficSWing GTN (further GTN) is a telematic application designed to support traffic processes at defined section of railway network.

GTN is connected to signalling systems and intranet of infrastructure manager.

GTN represents computer application, which:

- monitors the signalling system operation in real time
- displays and records the traffic at defined sections and stations by means of train graph
- checks the train routes setting related to train number and information registry of users, trains and cargo
- continuously updates train position and instantaneously evaluates traffic process situation
- provides warning on conflict situations in actual train graph, displays traffic prediction
- provides automatic route setting (ARS - ASVC) in cooperation with StationSWing ESA 44
- allows voice call to moving train according to train graph
- provides and receives data for traffic management system
- indicates failures detected by diagnostic systems of railway vehicles (e.g. hot box and flat wheel detector DiagSWing ASDEK)
- automatically controls passenger information systems (e.g. TrafficSWing HAVIS-III)
- provides data for trackside part of „ATO over ETCS“ (DriveSWing DRS-10)

Full functionality of GTN is used in centralised traffic control centres. GTN is also applicable in individual stations with direct connection to station interlocking system

GTN can be used:

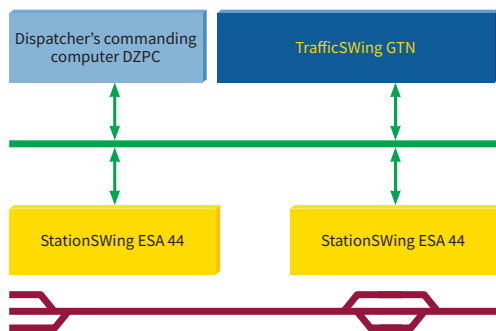
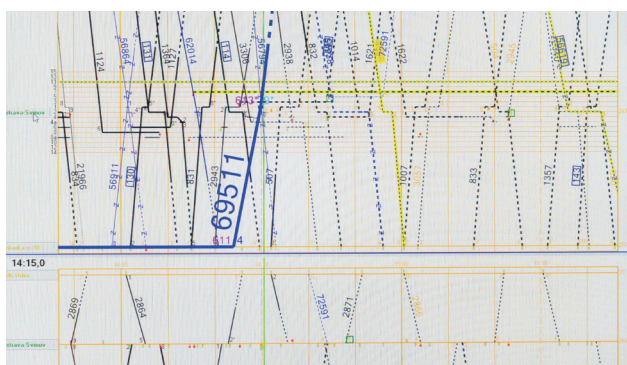
- at workplace of centralized traffic control dispatcher or station dispatcher to support the line and local traffic control processes
- as a workplace for station dispatcher for manual keeping of traffic log (in stations and lines not connected to centralized traffic control centre)
- as a workplace for checking and investigation activity, browsing through GTN archived data and traffic situation analyses





PARAMETRY TECHNICZNE

Power supply	AC 230V ± 10 %, 50 Hz
Temperature range	climatic category T1 according to EN 50 125-3
Humidity	to 80 %
EMS compliance	EN 50121-4, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-6-4
Service life	minimum 25 years



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