

NeTS – Network-wide Track Management System and RCS – Rail Control System.



SBB Infrastructure – your partner for timetable planning, operational quality and stability throughout your rail network.

Punctuality begins with a finely tuned timetable.

NeTS – Creating a timetable for Europe’s densest rail network.

The high level of punctuality enjoyed by SBB customers is based on robust and precise timetable planning. NeTS integrates all rail network planning activities: annual and daily planning, line and junction planning, closures and reduced speed sections in addition to the entire workflow for train path allocation. Specific data and services such as topology data, the calculation of travel times, rolling stock, authentications and authorisations are all provided through defined interfaces. This means that NeTS can be completely integrated into an existing system landscape.

The NeTS system family

NeTS is a precisely constructed group of applications that cover all needs from train path planning through interval planning all the way to train path allocation. Thanks to its flexible and open architecture, the capability for further development and long term maintenance of the applications is ensured.

Integrated train path planning

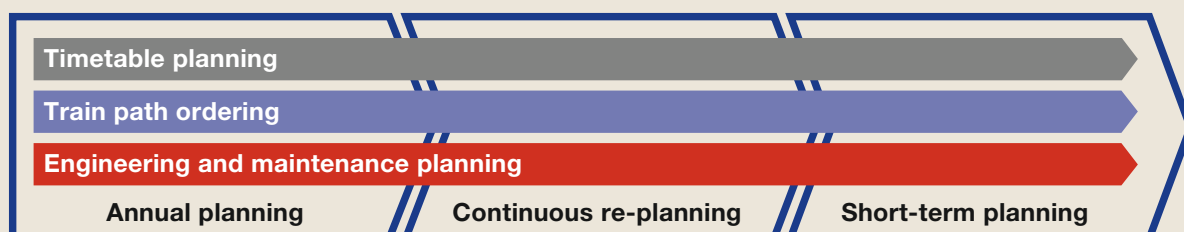
By using a range of tools such as distance-time digrammes with integrated train graphs, occupation digrammes, path and train editor, interval family editor or the calendar of operation days, the annual planning, continuous planning and the short-term planning for the timetable can all be efficiently accomplished.

Seamless train path applications

The integrated train path application workflow covers the entire operating business, from annual planning to short-term path applications. All participating railway operating companies, infrastructure providers and path allocation units are connected to the application and, and are able to directly record to and initiate processing in the application. As a result of the comprehensive workflow the applications are seamlessly and efficiently integrated into the planning and implementation processes.

Planning engineering work and maintenance

As maintenance planning is an integral part of NeTS, the planning and coordination of all closures and reduced speed sections can be coordinated across the entire network. This means that anticipated engineering and maintenance work is taken directly into account in the annual planning and the continuous planning of the timetable.



We increase the operational quality and stability of your network

RCS – Traffic management for Europe's densest rail network.

The Rail Control System (RCS) manages rail traffic on the entire SBB rail network. Since introduction in 2009, SBB and other infrastructure users have been using RCS as a uniform and integrated rail control system for rail traffic – and this on the most heavily used rail network in Europe. In Switzerland, 9,000 people and 2,000 freight trains travel on the swiss rail network each day. RCS already handles this high density of rail traffic, and has been specially designed to cater for even more traffic in the future.

The RCS system family

RCS is an exceptionally efficient, precisely constructed group of applications which cover needs from route management and topology data management to the presentation of operational status and rail control. Thanks to its open architecture, all applications are highly integrated and deliver data and services to over 200 additional systems.

RCS-DISPO – The rail control system for all occasions

The network control provided by RCS Dispo is a central feature of RCS. The RCS platform guarantees the highest possible level of operational security and minimum operational risk. Due to the automation of tasks, operational load is reduced, and staff on location are freed for other work. RCS Dispo enables the rapid configuration and availability of services.

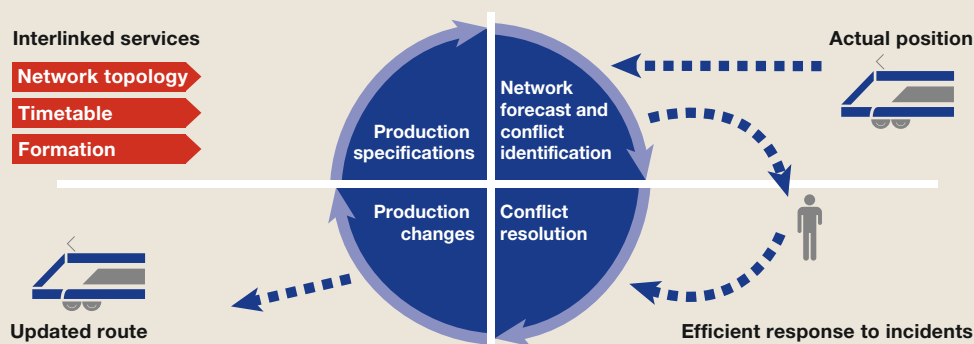
With RCS-Dispo a standardised process image (real-time presentation of the timetable) is provided for all sections and staff participating in the production process.

- With RCS-Dispo a network-wide, exceptionally precise and up-to-date forecast of the course of each individual train is provided.
- With RCS-Dispo production relevant information from a range of systems can be combined in one network-wide, standardised user interface.
- With RCS-Dispo communication is simplified due to the connection with business telephony and GSM-R.

RCS-ALEA+ – Your back-up for all occurrences

The alarm and incident assistant ALEA+ significantly improves reaction to cases of disruption and is perfectly aligned with RCS-Dispo. When disruption to rail operations occurs, the amount of information that needs to be processed is enormous. All those involved have to correctly interpret highly complex data. All decisions made are forwarded by ALEA+ quickly, individually and in a targeted manner to the large number of staff involved in operations.

- With ALEA+ process responsibility can be rapidly assigned/assumed whenever an incident occurs.
- With ALEA+ time lost through secondary delays is reduced.
- With ALEA+ visual coverage of the entire area of disruption is provided (even in cases of total breakdown).



We are happy to provide you with any
further information.

SBB
Infrastructure
Sales
Brückfeldstrasse 16
CH-3000 Bern 65
infrastruktur.verkauf@sbb.ch