THE RAIL//SYS MANAGEMENT SYSTEM

The Tried and Proven Train Simulation and Timetable Development System

Summary
RAIL//SYS is made up of three fully integrated software modules:
RAIL//TABLE Timetable designer & modeller
RAIL//TRAIN Train Performance Simulator
RAIL//NET Railway Network Builder
Each of the Rail//Sys components are Corporate friendly – easy to use, runs on Microsoft Windows, increases user productivity and has context sensitive menus & controls.

RAIL//TABLE is a railway timetable editing program that allows users to create, maintain and report on railway and interconnecting bus timetables.

Features & Benefits
- Enforces railway network rules - Railway network rules (such as: running times, junction movements and eligible rolling stock) are enforced during timetable creation thus ensuring the consistency and feasibility of the timetable.
- Advanced editing features - Editing features include bulk copying of a trip, bulk editing of many trips, trip splicing and editing of duty rosters including next day duties.
- Advanced reporting features – Reporting features include production ready timetable pages, train duty rosters, train graphs and various executive style reports. These reports can be published as working documents or used as the basis for strategic analysis.
- Advanced modelling features - The modelling capabilities assist in the creation of robust timetables.
- Creation of Master and/or Daily timetables - A Master timetable sets down the long term schedules. This can then be overlayed with a Daily timetable which takes into account short term network changes such as temporary speed restrictions and/or track closures.
- Multi User - Rail//Table is a multi user program.
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**RAIL//TRAIN** is a train performance and signal system simulation program that allows users to calculate train performance and to examine the interaction between trains along a route.

**Features & Benefits**
- Calculates train running times - gives users an accurate and reproducible calculation of train running times on which timetables can be based;
- Determines trailing loads - allows the user to determine the maximum trailing load for a given motive power configuration thus enabling the maximisation of rolling stock utilisation;
- Determines train energy consumption - allows the user to determine the energy consumption and therefore train fuel or electricity usage which is essential for operational economic planning;
- Determines impact of temporary speed restrictions - allows the user to determine the impact of temporary speed restrictions (TSR’s) on a train’s running time. This assists the user with operational planning and infrastructure maintenance scheduling;
- Provides signal clearance graphs for determination of headways - allows the user to graphically represent signal clearance characteristics which assists in determining infrastructure utilisation levels.

**RAIL//NET** is a railway network editor program that allows users to create and maintain a model of a railway network including interconnecting bus routes.

**Features & Benefits**
- Create and maintain simple or complex network models - the model can accommodate any feasible railway network configuration including single or multi track, uni or bi-directional corridors, complex junctions, platforms, track gauge and motive power source requirements;
- Uses network rules - the use of network rules, which disallows unfeasible train movements, ensures that only viable train schedules can be created in either Rail//Table or Rail//Train;
- Network revisions - the creation of network revision allows the user to undertake “what if?” scenario analysis for different network configurations;
- Archiving - each network can be saved to file for archival purposes.