

Preface

The author envisions a low-cost, safe, punctual and customer-friendly public transport system. Here operations control systems can make an important contribution.

Computer-aided automation and optimisation in public transport are today, at least in main-line transport, for the most part still a long way from reaching the level technically achievable. Furthermore, they are frequently only available at specific locations on high-speed lines or in rail junction areas. The existing systems are often insufficiently integrated because they were supplied by various manufacturers in the course of time.

The author's idea is to have a choice of components which can be put together - as with a PC or stereo system - for each application and possibly also expanded later.

From this standpoint, it becomes clear that main-line services, mass transit and urban transport have many functions in common.

This book unites a wide range of frequently demanded operations control functions from all parts of the globe. The selection was based on both existing projects and requests for project tenders issued by various railway authorities.

The structure of the book reflects the standard functional configuration of a control centre and hence at the same time the most appropriate structure for the necessary software components.

2.6.4	Timetable Concepts and Interfaces to an External Timetable Management System	25
	Timetable Concepts for Main-line and Mass Transit Services	27

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3	Higher-level Requirements	29
3.1	System Requirements	29
3.2	System Functions	30
3.3	Access Rights	31
3.4	User Interface	32
3.5	Planning Data	32
3.5.1	Access Code	33
3.5.2	Timetable Contents independent of the Train Run	33
3.5.3	Station-specific Timetable Contents	33
4	Remote Control Centre / Operator Consoles	36
4.1	Basic Functionality	36
4.1.1	Detail View	38
4.1.2	Overview	39
4.1.3	Interlocking Operator Control	40
4.1.4	Logging	40
4.1.5	Telecontrol System	41
4.2	Possible Extensions	43
4.2.1	Input Forms in the Remote Control Centre	43
4.2.2	Abstract Geographical View	43
4.2.3	Hardcopy	44
4.2.4	Train Tracking in a Remote Control Centre	44