



Welcome to Zurich / Willkommen in Zürich



IT10 – RAIL

OpenTrack User Conference January 21, 2010

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Agenda

- Introduction of the participants / Vorstellungsrunde
- Presentation of version 1.6 of OpenTrack / Präsentation der Version 1.6 von OpenTrack
- Key features / wichtigste Neuerungen



OpenTrack - new office location

OPEN TRACK

OpenTrack Railway Technology GmbH

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New signal system: Universal (Metric / US)

Signal Aspect Indication

Proceed *v* Proceed at speed *v*

- Approach vProceed approaching next signal at restricted speed v.
Trains exceeding restricted speed v must begin reduction
to restricted speed v as soon as engine passes the
Approach signal.
- AdvanceProceed approaching second signal at restricted speed v.Approach vTrains exceeding restricted speed v must begin reduction
to restricted speed v as soon as engine passes the
Approach signal.



New signal system: an example

Aspects of Signals at:		X	Y	Z
2	If cleared for diverging route through high-speed turnout to track 2 (50 mph)	TS	A 50	P 50
3	If cleared for diverging route through No. 16 crossover to track 3 (30 mph)	AA 30	A 30	P 30





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ETCS Level 2 - detailed infrastructure model





ETCS Level 2 - outputs





Coasting / coasting signal





Distribution tool

Distributions X									
[Distributions								
	Duration Distribution A 1								
	Distribution T2								
	Uniform 30-	Jniform 30-50							
				_					
	1								
	Distribution	n niecew	/ise linear	=1					
	Distribution. precewise inteal								
	From [s]	To [s]	Perc. [%]						
	0.0	10.0	10.0	<u> </u>					
	10.0	20.0	80.0						
	20.0	60.0	10.0						
			Delete	Add					
Delete Duplicate New OK									

- User definable distribution functions
- Piecewise linear





New timetable functions



Distribution (for dwell times)

Functions (for selected entries) Connections between stations

Keep interval ref. for delays





New incident functions and attributes



New incident types

Probability Begin distribution Duration distribution



OpenPowerNet - Version 1.2.0 released



