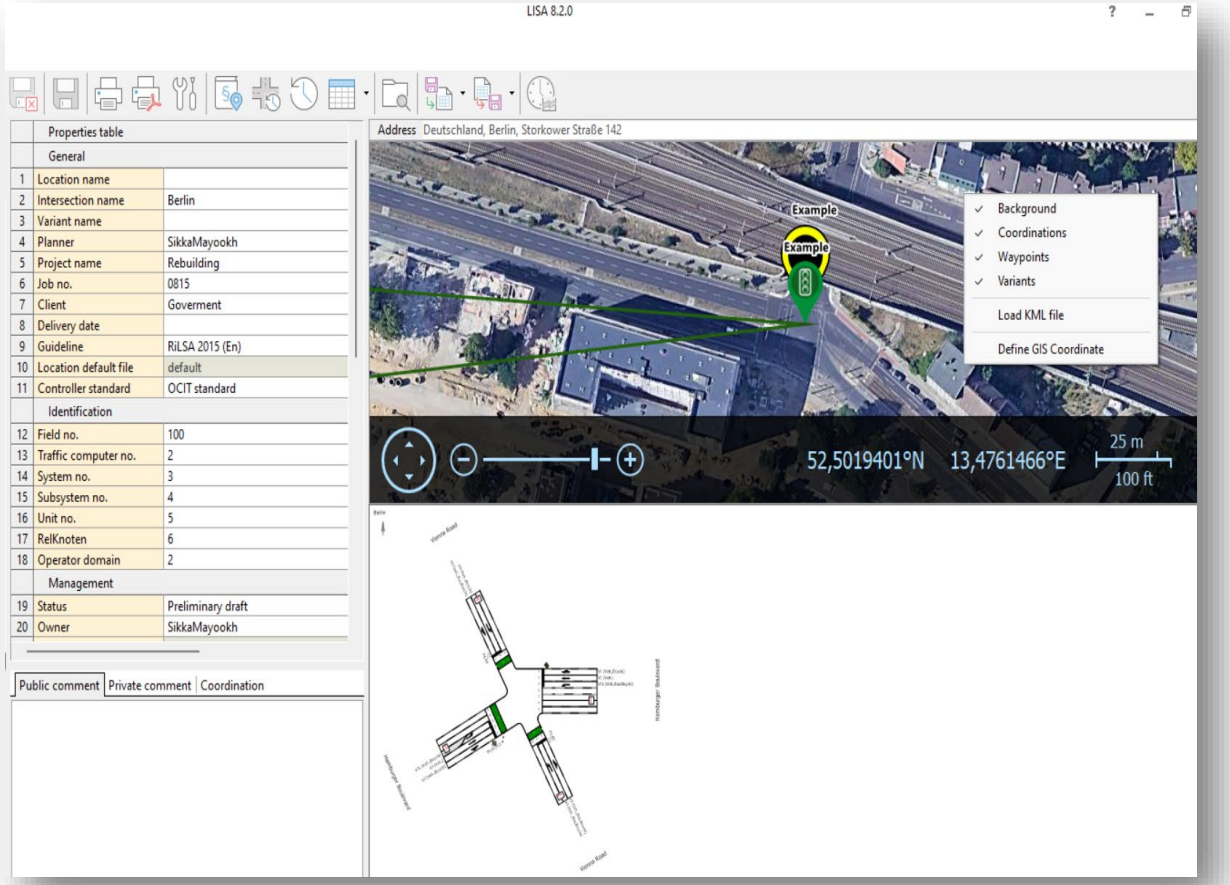
What‘s new in

LISA 8.2

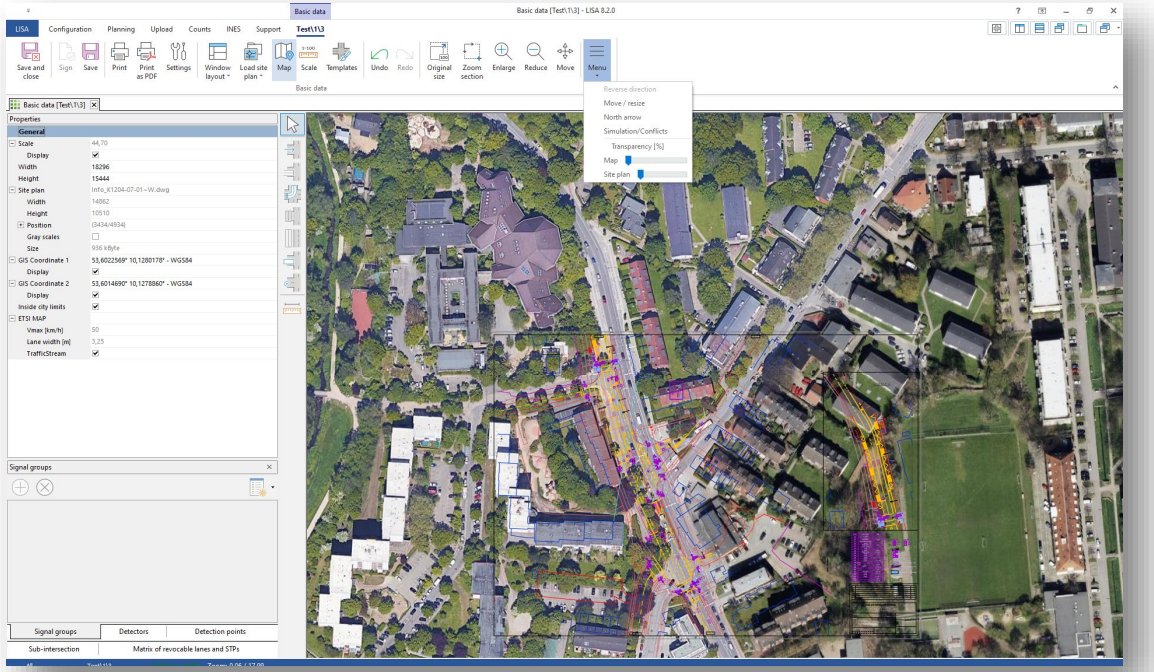
LISA POWERFUL TRAFFIC DESIGN

Project Management



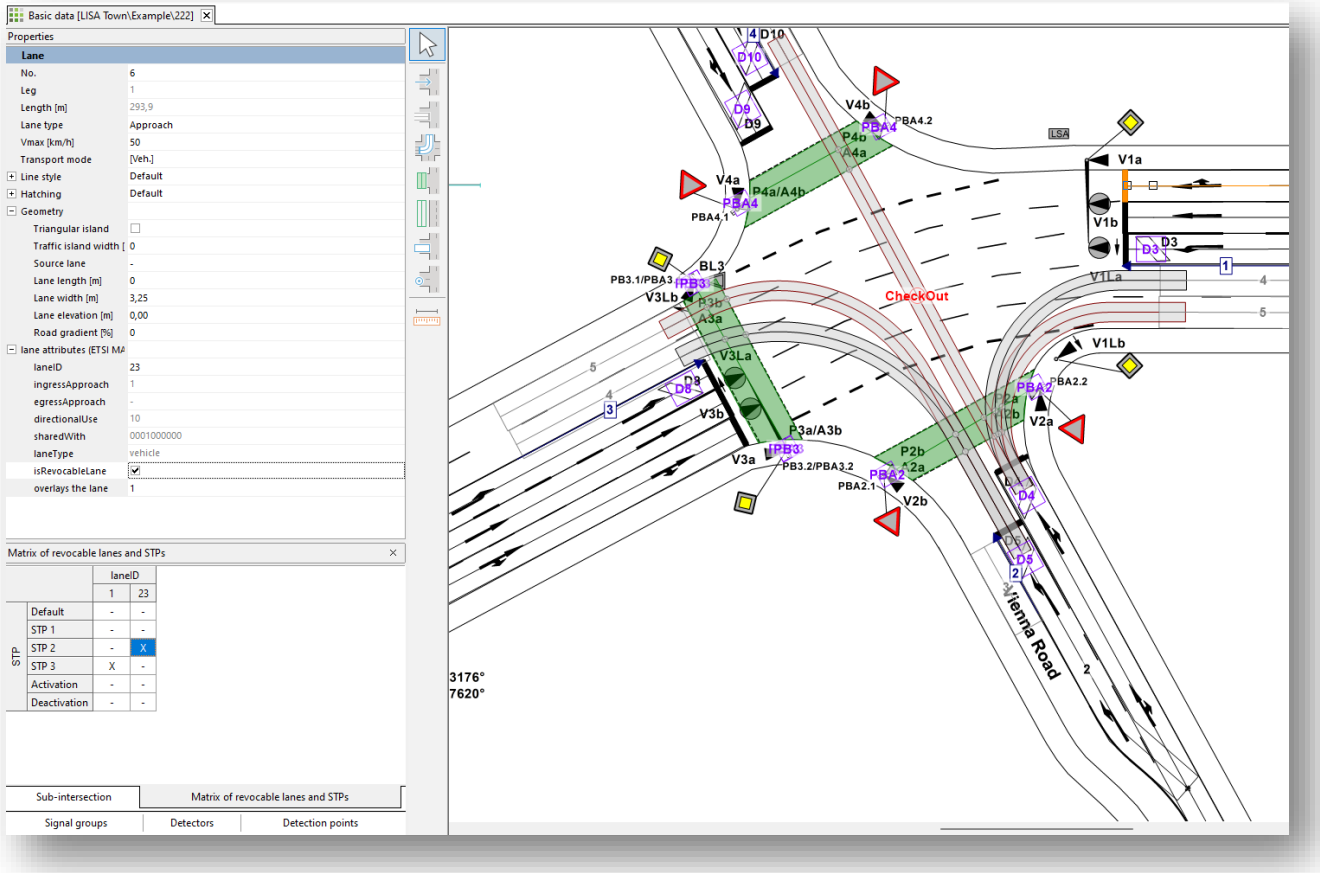
- Address search field in map
- Add GIS coordinate via right-click in map
- Firebird 5.0 compatibility

Basic data



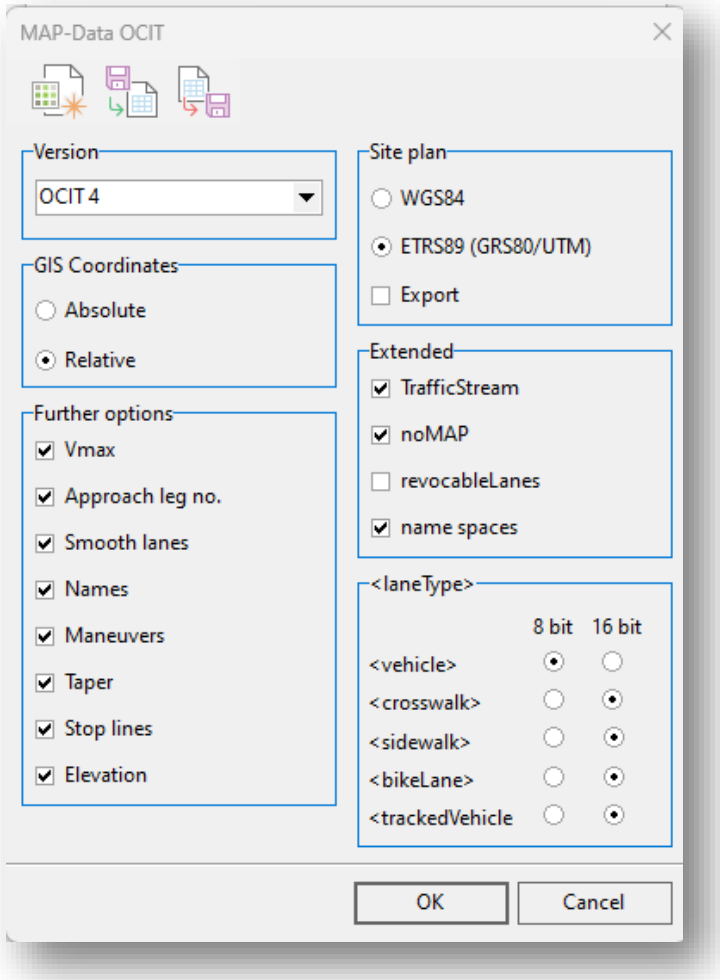
- Web Map
- Optional transparency of the site plan and/or the map
- Shift the view to the right, allowing extensions of the access routes on the left and top

Basic data and MAP



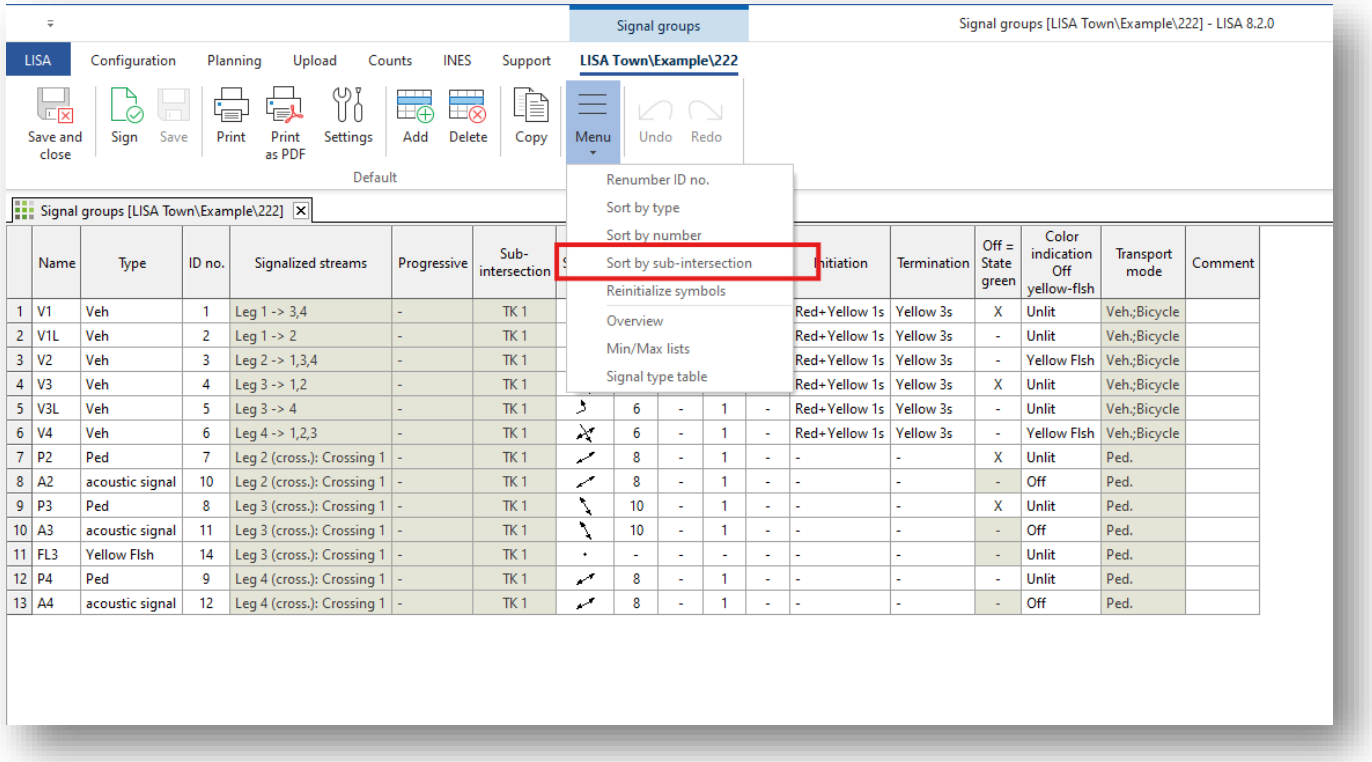
- Complete definition of revocable lanes:
  - Matrix of revocable lanes and STPs
  - Define and edit overlaying lanes
  - Simplified travel path input for overlaying lanes
- Definition of remote intersections

MAP-Export



- Support of multiple MAP versions
- Revocable lanes
- Overlaying lanes
- Remote intersections
- Load default settings
- Validation of mandatory inputs (e.g., right-of-way rules)

Signal groups

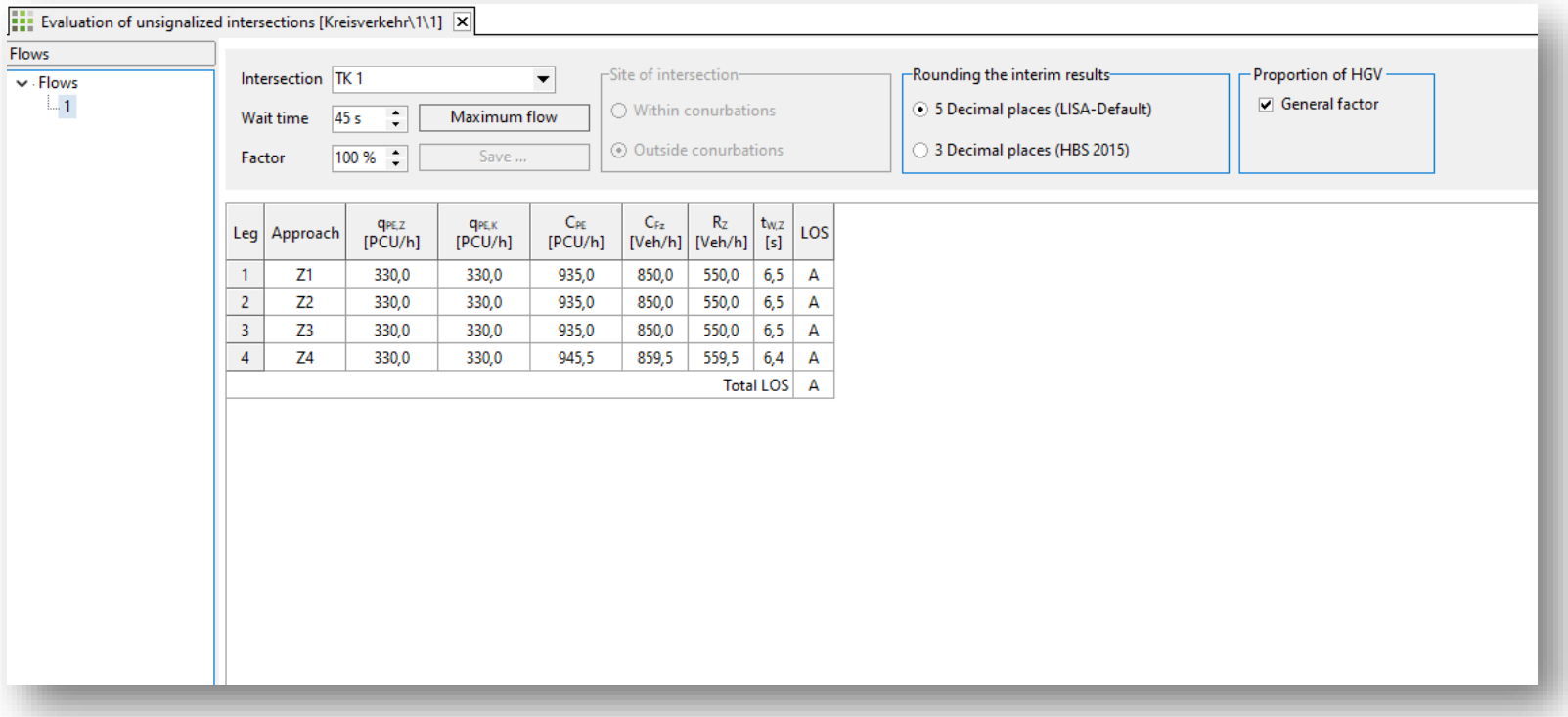


	Name	Type	ID no.	Signalized streams	Progressive	Sub-intersection					Initiation	Termination	Off = State green	Color indication Off yellow-flsh	Transport mode	Comment
1	V1	Veh	1	Leg 1 -> 3,4	-	TK 1					Red+Yellow 1s	Yellow 3s	X	Unlit	Veh.;Bicycle	
2	V1L	Veh	2	Leg 1 -> 2	-	TK 1					Red+Yellow 1s	Yellow 3s	-	Unlit	Veh.;Bicycle	
3	V2	Veh	3	Leg 2 -> 1,3,4	-	TK 1					Red+Yellow 1s	Yellow 3s	-	Yellow Flsh	Veh.;Bicycle	
4	V3	Veh	4	Leg 3 -> 1,2	-	TK 1					Red+Yellow 1s	Yellow 3s	X	Unlit	Veh.;Bicycle	
5	V3L	Veh	5	Leg 3 -> 4	-	TK 1		6	-	1	-	Red+Yellow 1s	Yellow 3s	-	Unlit	Veh.;Bicycle	
6	V4	Veh	6	Leg 4 -> 1,2,3	-	TK 1		6	-	1	-	Red+Yellow 1s	Yellow 3s	-	Yellow Flsh	Veh.;Bicycle	
7	P2	Ped	7	Leg 2 (cross.): Crossing 1	-	TK 1		8	-	1	-	-	-	X	Unlit	Ped.	
8	A2	acoustic signal	10	Leg 2 (cross.): Crossing 1	-	TK 1		8	-	1	-	-	-	-	Off	Ped.	
9	P3	Ped	8	Leg 3 (cross.): Crossing 1	-	TK 1		10	-	1	-	-	-	X	Unlit	Ped.	
10	A3	acoustic signal	11	Leg 3 (cross.): Crossing 1	-	TK 1		10	-	1	-	-	-	-	Off	Ped.	
11	FL3	Yellow Flsh	14	Leg 3 (cross.): Crossing 1	-	TK 1		-	-	-	-	-	-	-	Unlit	Ped.	
12	P4	Ped	9	Leg 4 (cross.): Crossing 1	-	TK 1		8	-	1	-	-	-	-	Unlit	Ped.	
13	A4	acoustic signal	12	Leg 4 (cross.): Crossing 1	-	TK 1		8	-	1	-	-	-	-	Off	Ped.	

- Possibility to sort signal groups by sub-intersections

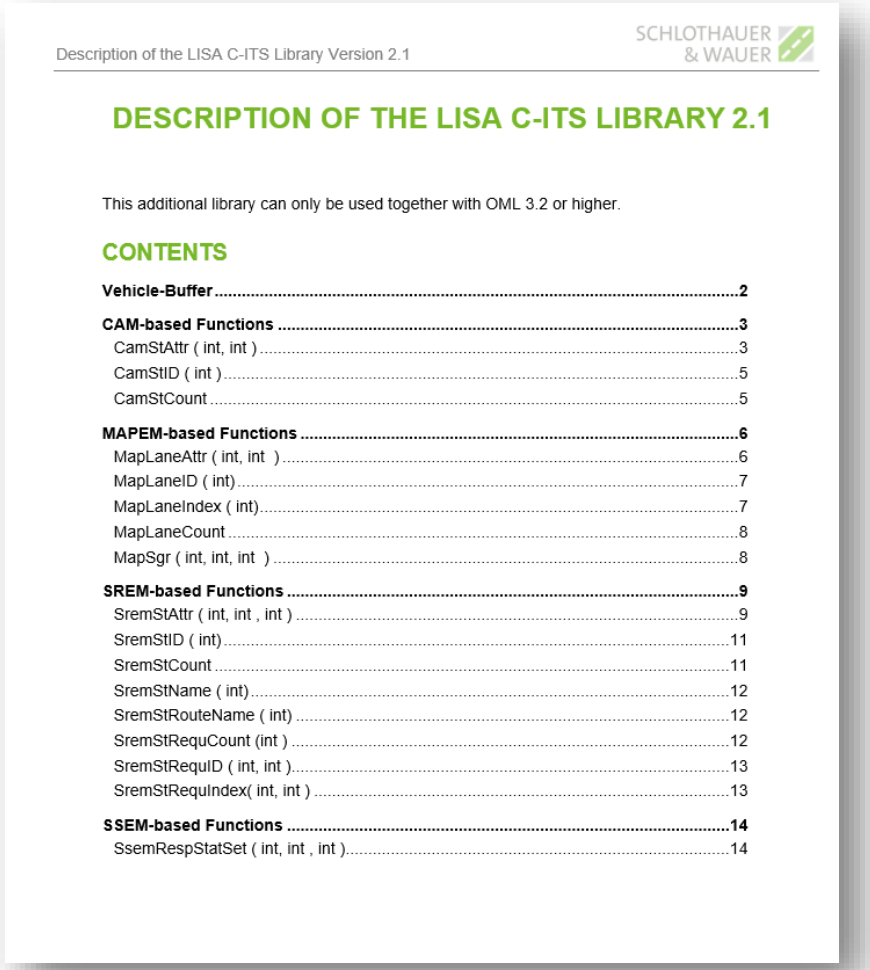
NLSA

- Optional deactivation of the general factor 1.1
- Option for decimal places in intermediate values to improve traceability of mixed flow calculations



Leg	Approach	$q_{PE,Z}$ [PCU/h]	$q_{PE,K}$ [PCU/h]	C_{PE} [PCU/h]	C_{Fz} [Veh/h]	R_Z [Veh/h]	$t_{W,Z}$ [s]	LOS
1	Z1	330,0	330,0	935,0	850,0	550,0	6,5	A
2	Z2	330,0	330,0	935,0	850,0	550,0	6,5	A
3	Z3	330,0	330,0	935,0	850,0	550,0	6,5	A
4	Z4	330,0	330,0	945,5	859,5	559,5	6,4	A
						Total LOS		A

New functions in LISA C-ITS library


Description of the LISA C-ITS Library Version 2.1

SCHLOTHAUER & WAUER

DESCRIPTION OF THE LISA C-ITS LIBRARY 2.1

This additional library can only be used together with OML 3.2 or higher.

CONTENTS

- New LISA C-ITS Library 2.1 with new MAP and SREM functions

MAP-Function

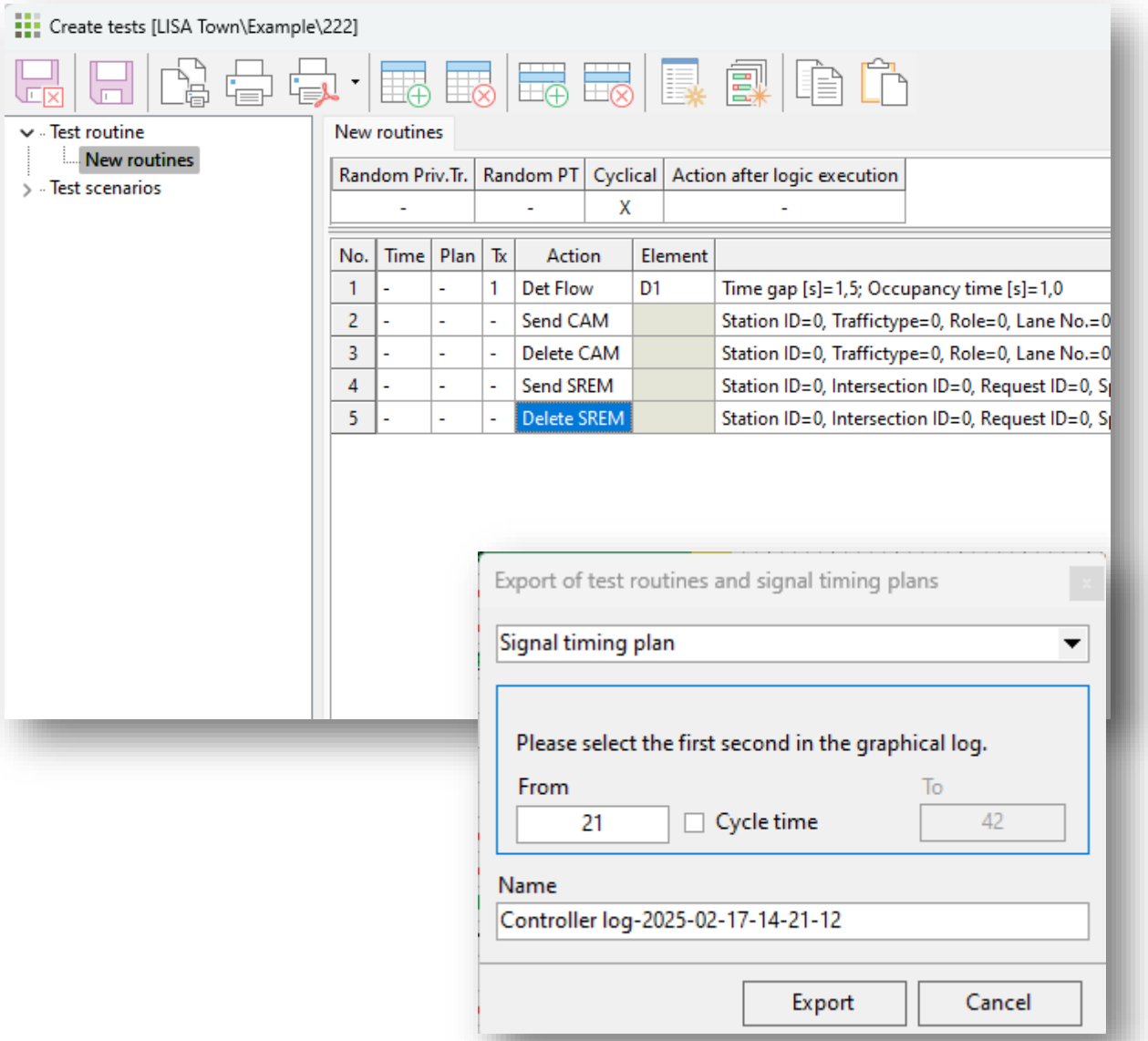
1. MapTrafficStrExist
2. MapLaneSgr
3. MapLaneSgrCount
4. MapConnCount
5. MapConnAttr

SREM-Funktion

Extract additional information from SREM:

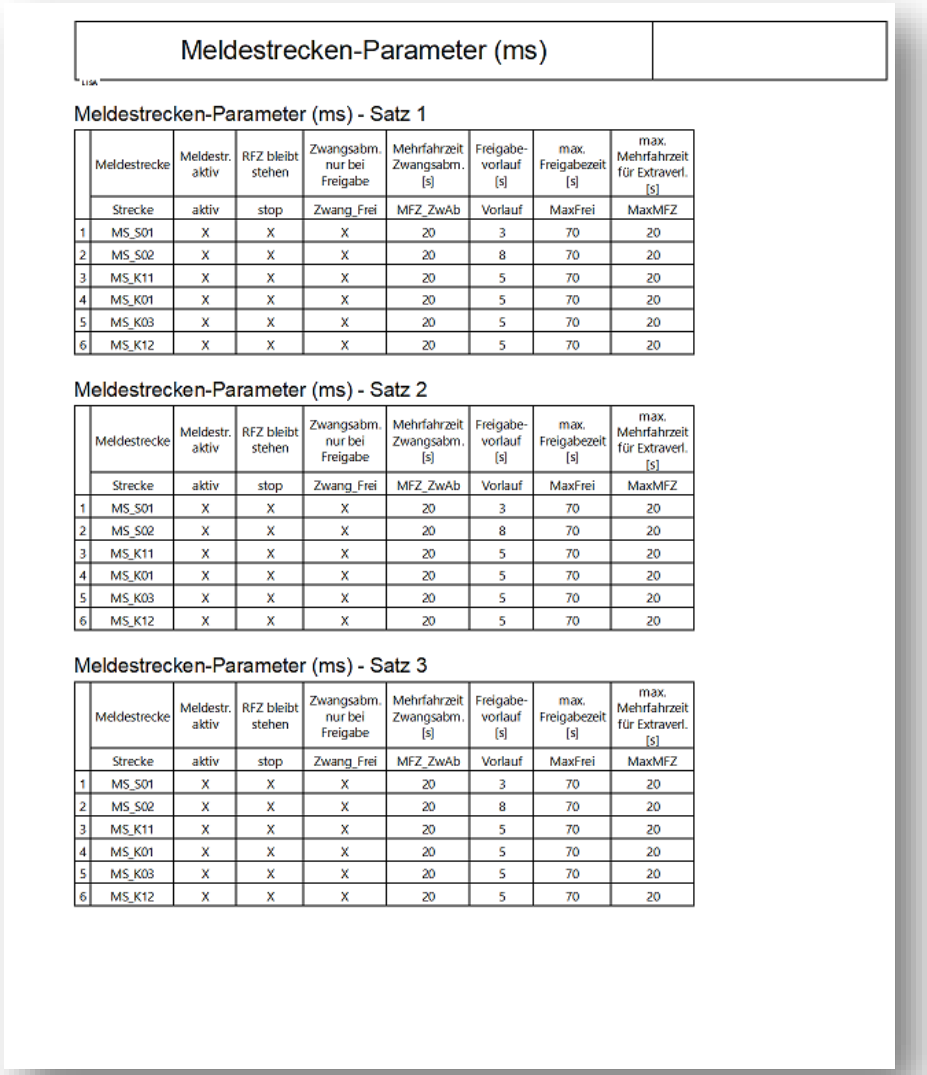
1. Inbound Lane
2. Outbound Lane
3. Connection
4. Distance to the stop line
5. Speed

Test site



- New function in test routine: Send CAM and Send SREM
- Export and import of individual test routines
- Save the start time in the test routine, enabling better repetition of tests with synchronization
- Cut out STP from the graphical log for a freely selectable cycle time

Batch print



Meldestrecken-Parameter (ms)

Meldestrecken-Parameter (ms) - Satz 1

	Meldestrecke	Meldestr. aktiv	RFZ bleibt stehen	Zwangsabm. nur bei Freigabe	Mehrfahrzeit Zwangsabm. [s]	Freigabe-vorlauf [s]	max. Freigabezeit [s]	max. Mehrfahrzeit für Extraverl. [s]
	Strecke	aktiv	stop	Zwang_Frei	MFZ_ZwAb	Vorlauf	MaxFrei	MaxMFZ
1	MS_S01	X	X	X	20	3	70	20
2	MS_S02	X	X	X	20	8	70	20
3	MS_K11	X	X	X	20	5	70	20
4	MS_K01	X	X	X	20	5	70	20
5	MS_K03	X	X	X	20	5	70	20
6	MS_K12	X	X	X	20	5	70	20

Meldestrecken-Parameter (ms) - Satz 2

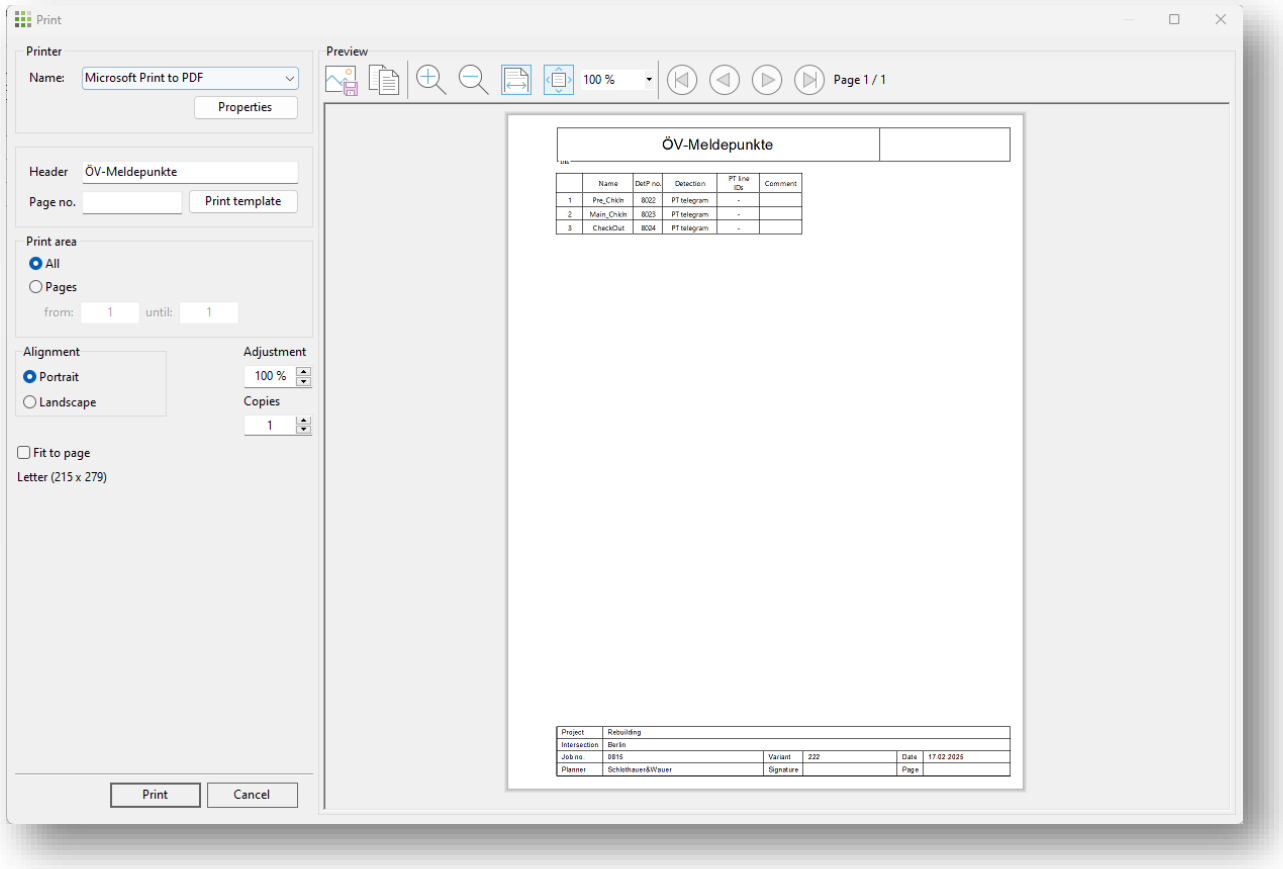
	Meldestrecke	Meldestr. aktiv	RFZ bleibt stehen	Zwangsabm. nur bei Freigabe	Mehrfahrzeit Zwangsabm. [s]	Freigabe-vorlauf [s]	max. Freigabezeit [s]	max. Mehrfahrzeit für Extraverl. [s]
	Strecke	aktiv	stop	Zwang_Frei	MFZ_ZwAb	Vorlauf	MaxFrei	MaxMFZ
1	MS_S01	X	X	X	20	3	70	20
2	MS_S02	X	X	X	20	8	70	20
3	MS_K11	X	X	X	20	5	70	20
4	MS_K01	X	X	X	20	5	70	20
5	MS_K03	X	X	X	20	5	70	20
6	MS_K12	X	X	X	20	5	70	20

Meldestrecken-Parameter (ms) - Satz 3

	Meldestrecke	Meldestr. aktiv	RFZ bleibt stehen	Zwangsabm. nur bei Freigabe	Mehrfahrzeit Zwangsabm. [s]	Freigabe-vorlauf [s]	max. Freigabezeit [s]	max. Mehrfahrzeit für Extraverl. [s]
	Strecke	aktiv	stop	Zwang_Frei	MFZ_ZwAb	Vorlauf	MaxFrei	MaxMFZ
1	MS_S01	X	X	X	20	3	70	20
2	MS_S02	X	X	X	20	8	70	20
3	MS_K11	X	X	X	20	5	70	20
4	MS_K01	X	X	X	20	5	70	20
5	MS_K03	X	X	X	20	5	70	20
6	MS_K12	X	X	X	20	5	70	20

- Display of structured parameter sets with variable parameters in the currently monitored values during step-by-step debugging.
- Sequence of logic parameter sets changeable

Extra



- Public Transport: Enable different comments for each public transport parameter set
- Logic: Automatically load English or Spanish aliases
- Printing: Additional image formats can be used for the logo in the header
- OCIT-C import