
PCO-Tracing for TC-Gen (an introduction)

Tracing for TCGen ...

General Overview

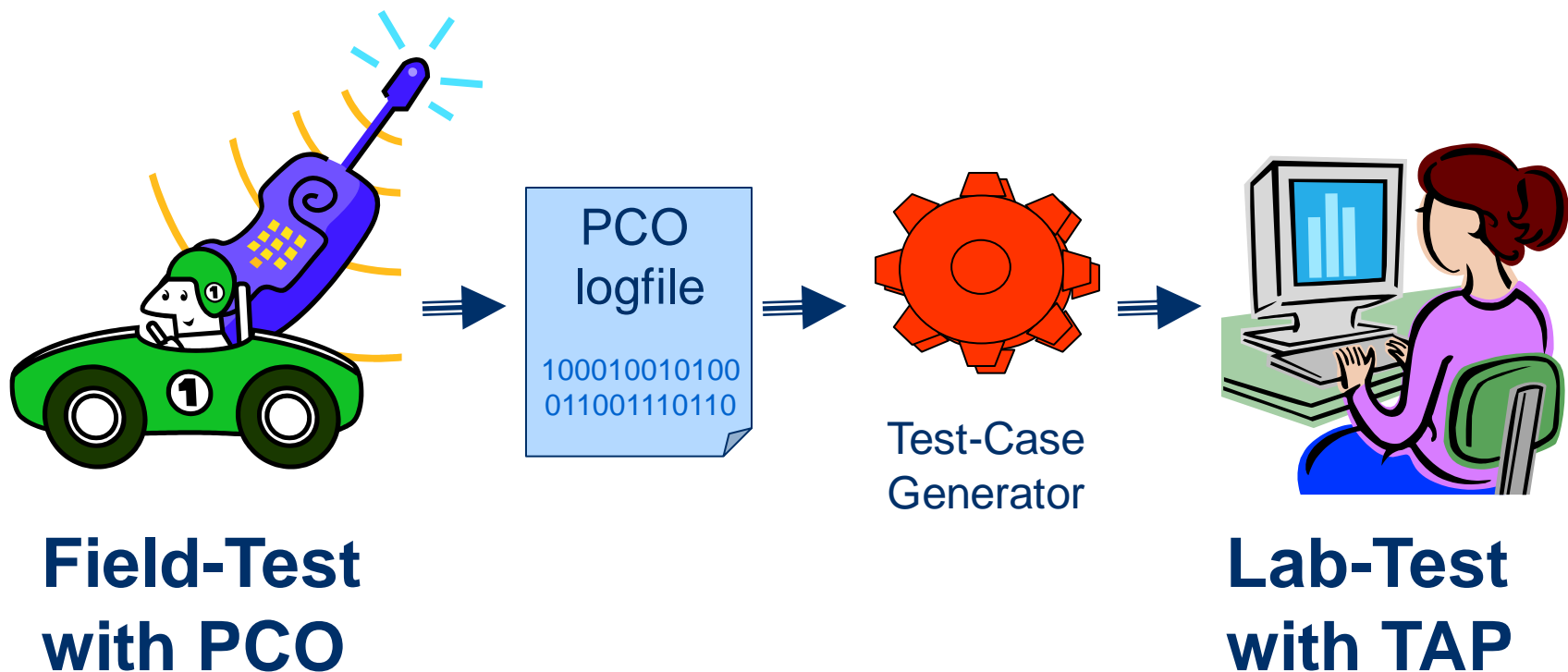
Duplicating Primitives

Logging

GUI-Integration

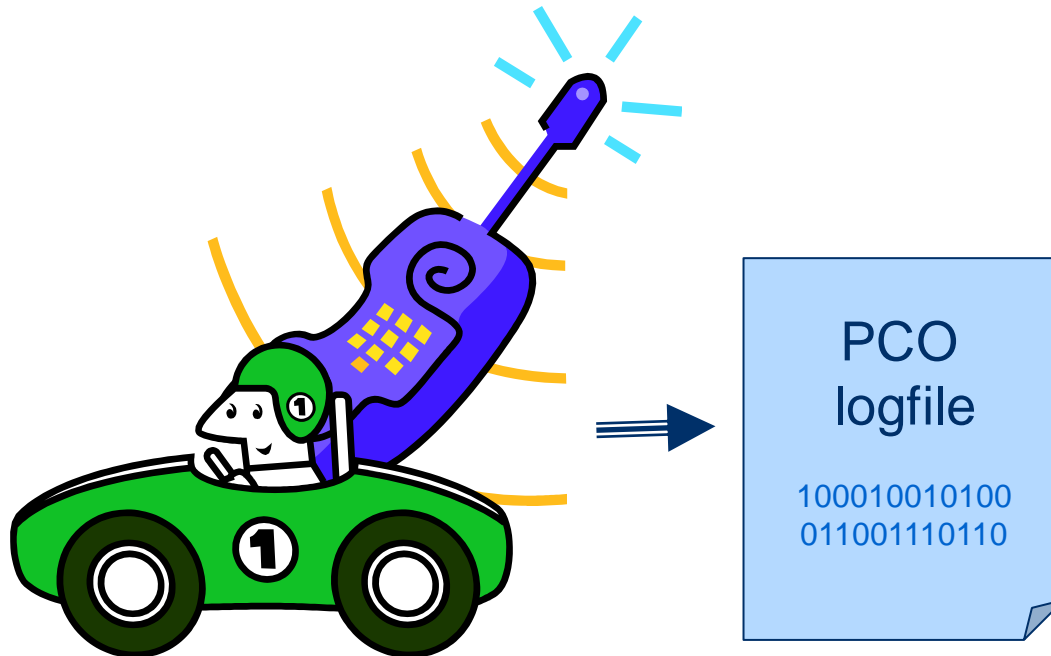
Tracing for TCGen ... *general overview*

- The final goal is:
 - ⇒ to generate new test cases
 - ⇒ ... using logged life data from field tests



Tracing for TCGen ... *general overview*

- Today you'll learn how to create suitable PCO logfiles



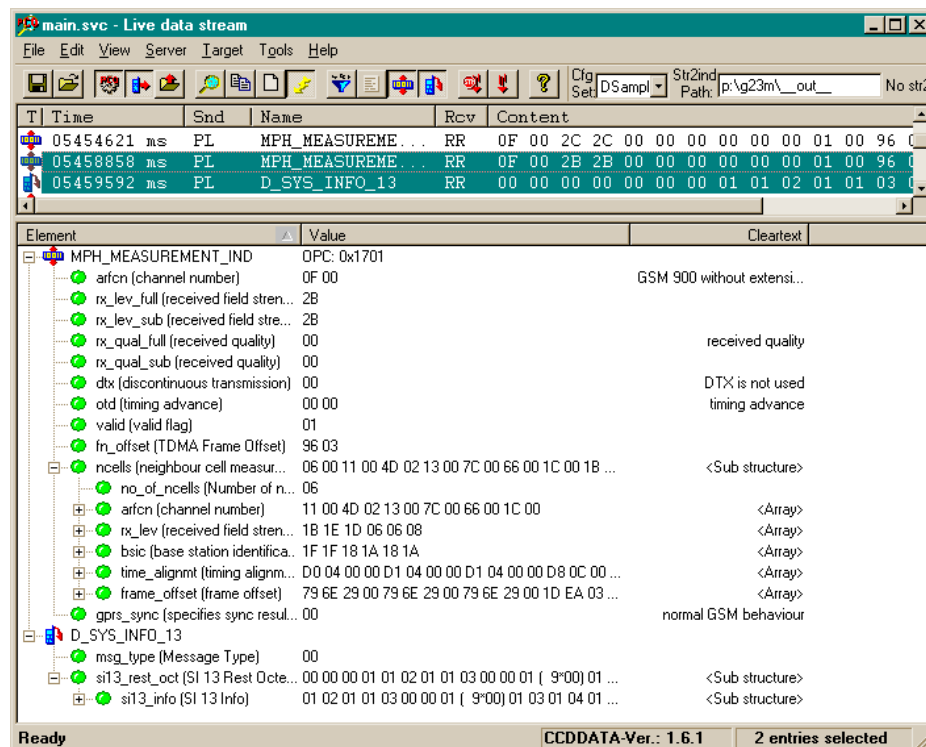
**Field-Test
with PCO**

Tracing for TCGen ... *general overview*

- What is a PCO logfile ?

⇒ a binary File named „xxx.pco“

⇒ ... containing information about sent primitives



Tracing for TCGen ...

General Overview

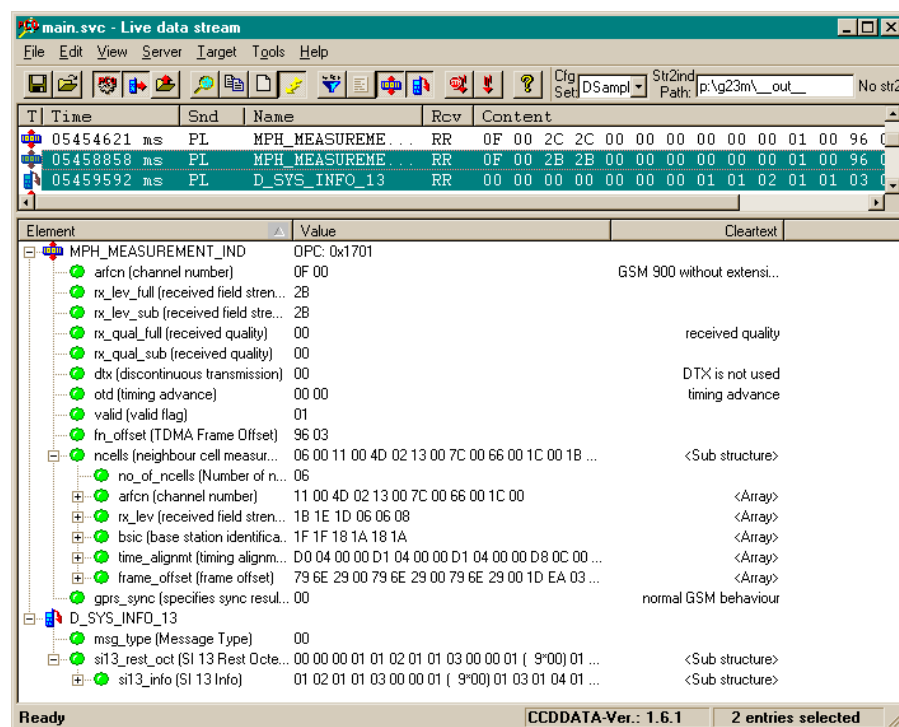
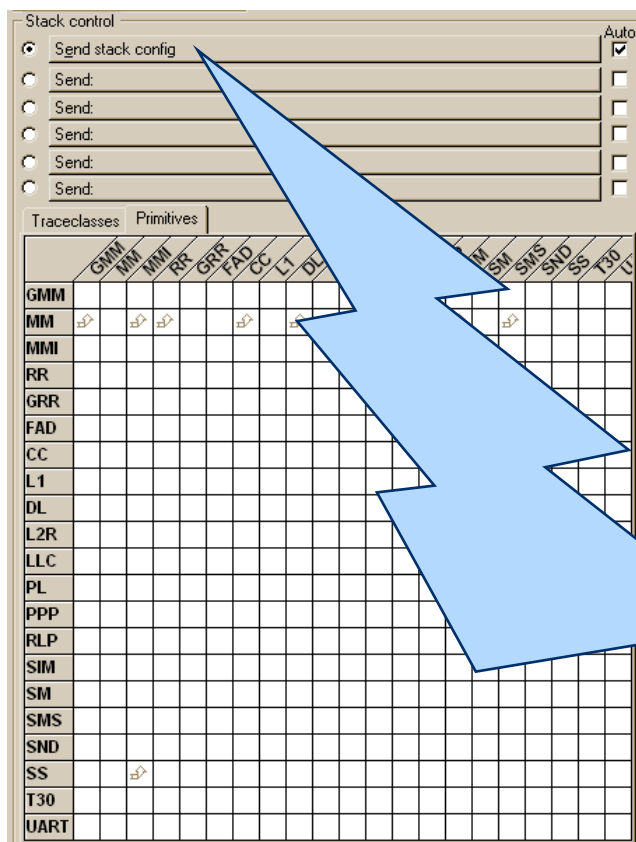
Duplicating Primitives

Logging

GUI-Integration

Tracing for TCGen ... *duplicating primitives*

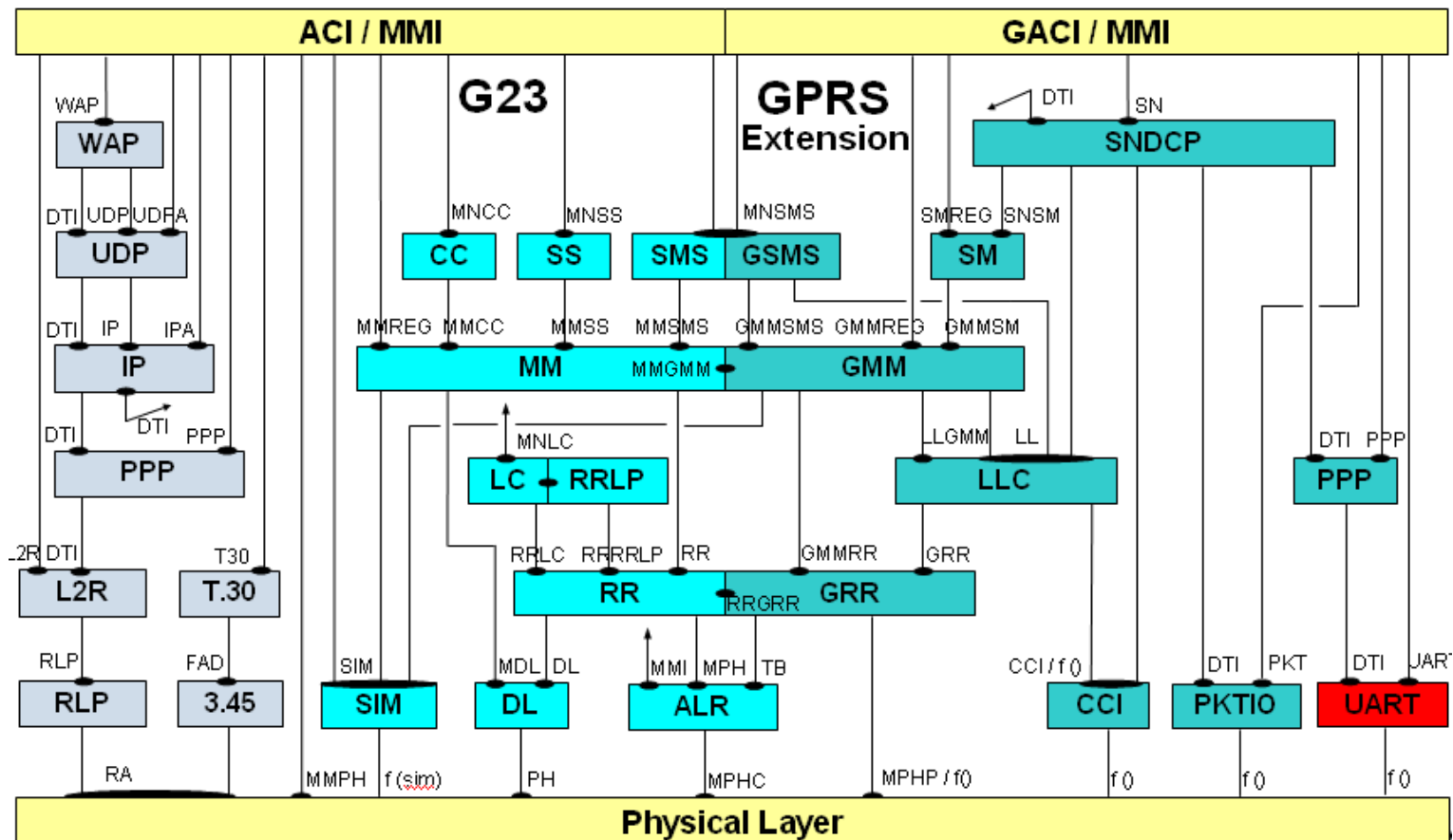
- As a first step primitive duplication has to be requested:
 - ⇒ by setting up the primitive matrix in PCO controller
 - ⇒ ... and sending the configuration to the PS



⇒ connected viewers will show immediate results

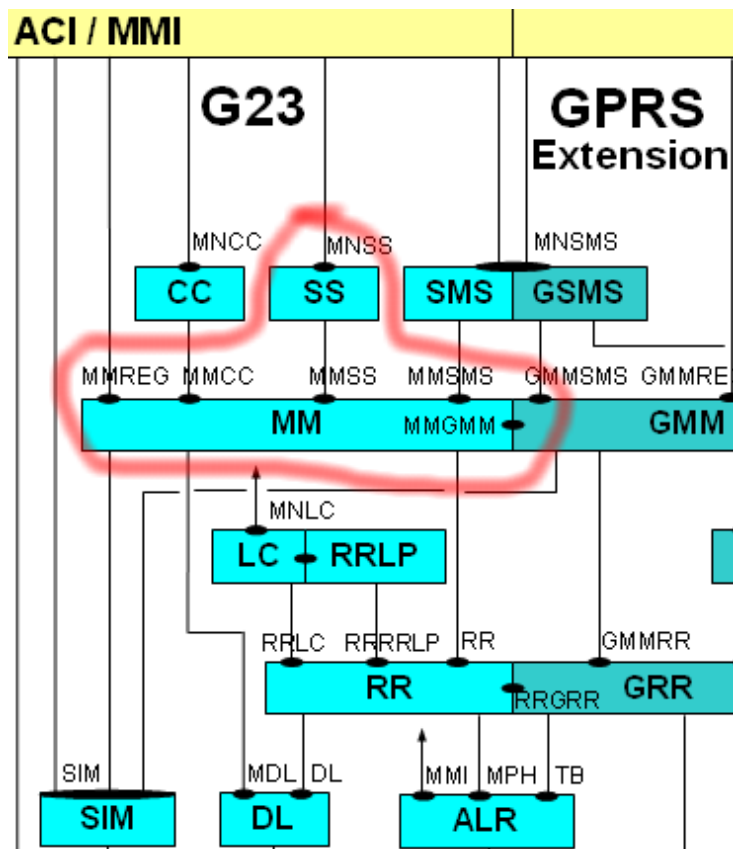
Tracing for TCGen ... *duplicating primitives*

- What has to be configured in the matrix ?
 - ⇒ depends on which entities shall be observed ... e.g. MM & SS
 - ⇒ ... and the existing SAP's ... e.g. for the GPRS protocol stack:



Tracing for TCGen ... *duplicating primitives*

- To observe MM and SS ...
 - ⇒ all „outer“ SAP's have to be identified
 - ⇒ ... and selected in the matrix

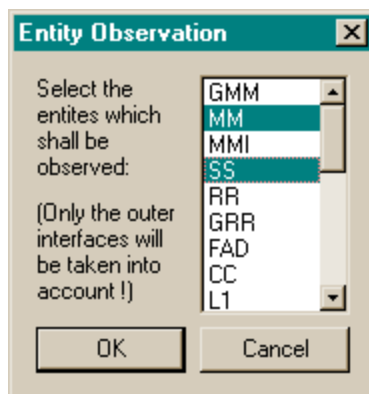
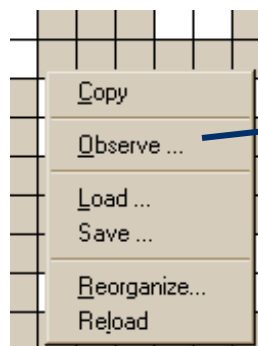


Traceclasses	Primitives															
	GMM	MM	MMI	SS	RR	GRR	FAD	CC	L1	DL	L2R	LLC	PL	PPP	RLP	SIM
GMM																
MM																
MMI																
SS																
RR																
GRR																
FAD																
CC																
L1																
DL																
L2R																
LLC																
PL																
PPP																
RLP																
SIM																
SM																
SMS																
SND																

Tracing for TCGen ... *duplicating primitives*

- Since CCDDATA version 1.6.x (GPF 15) ...
 - ⇒ PCO is provided with information about existing entities and their SAPs
 - ⇒ therefore only meaningful checkboxes are enabled in the matrix
- Furthermore ...
 - ⇒ via the matrix context menu the observation of specific entities can easily be configured

	Primitives														
Traceclasses	GMM	MM	MMI	SS	RR	GRR	FAD	CC	L1	DL	L2R	LLC	PL	PPP	RPL
GMM															
MM															
MMI															
SS															
RR															
GRR															
FAD															
CC															
L1															
DL															
L2R															
LLC															



	Primitives														
Traceclasses	GMM	MM	MMI	SS	RR	GRR	FAD	CC	L1	DL	L2R	LLC	PL	PPP	RPL
GMM															
MM															
MMI															
SS															
RR															
GRR															
FAD															
CC															

Tracing for TCGen ...

General Overview

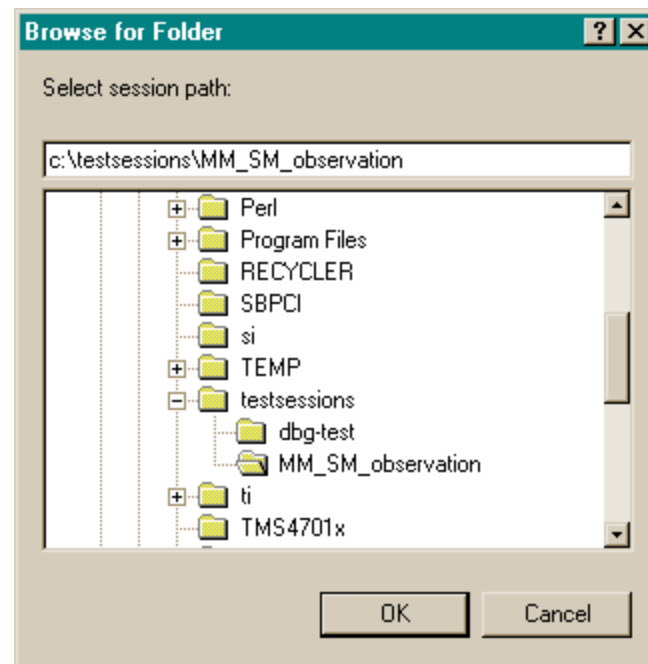
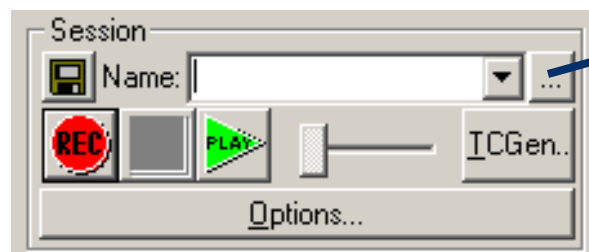
Duplicating Primitives

Logging

GUI-Integration

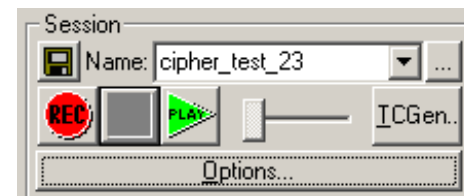
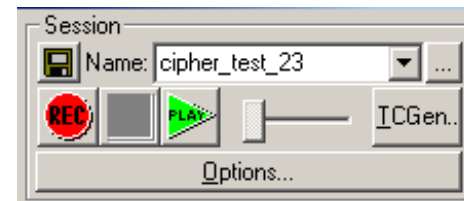
Tracing for TCGen ... *logging*

- During the second step, the logging
 - ⇒ ... a meaningful named PCO logfile will be created
- At first a directory has to be selected
 - ⇒ ... where the sessions shall be stored



Tracing for TCGen ... *logging*

- Now a session name has to be provided
 - ⇒ ... preferable self explaining ☺
- ... and the logging can begin
 - ⇒ ... by pressing the „REC“ord-button
- Every received trace and primitive
 - ⇒ ... will now be stored into the PCO logfile (cipher_test_23.pco)
 - ⇒ (the ASCII-traces are not needed for TCGen later on)
- When the session is over
 - ⇒ ... „STOP“ will close the .pco file
 - ⇒ “c:\testsessions\MM_SM_observation\cipher_test_23.pco” can be forwarded to other testers for TCGen processing



Tracing for TCGen ...

General Overview

Duplicating Primitives

Logging

GUI-Integration

Tracing for TCGen ... *GUI-integration*

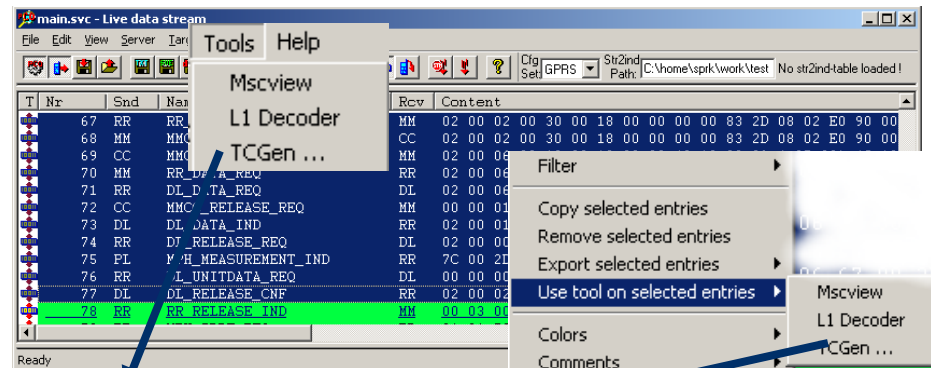
- There are two ways to call TCGen directly through the PCO GUI:

⇒ Via the PCO-Controller



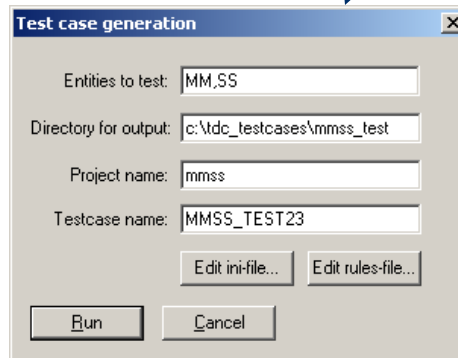
⇒ In this case all entries of the selected .pco-file will be taken into account

⇒ Via a PCO-Standard-Viewer



⇒ In this case either all entries visible in the current viewer ...

⇒ or all selected entries will be taken into account



- In both cases ...

- ⇒ the other parameters to TCGen have to be filled into the edit fields
- ⇒ ini-file and rules-file of TCGen may be opened and edited via the buttons
- ⇒ the „Run“-button will start the generation

Thanx for your patience !