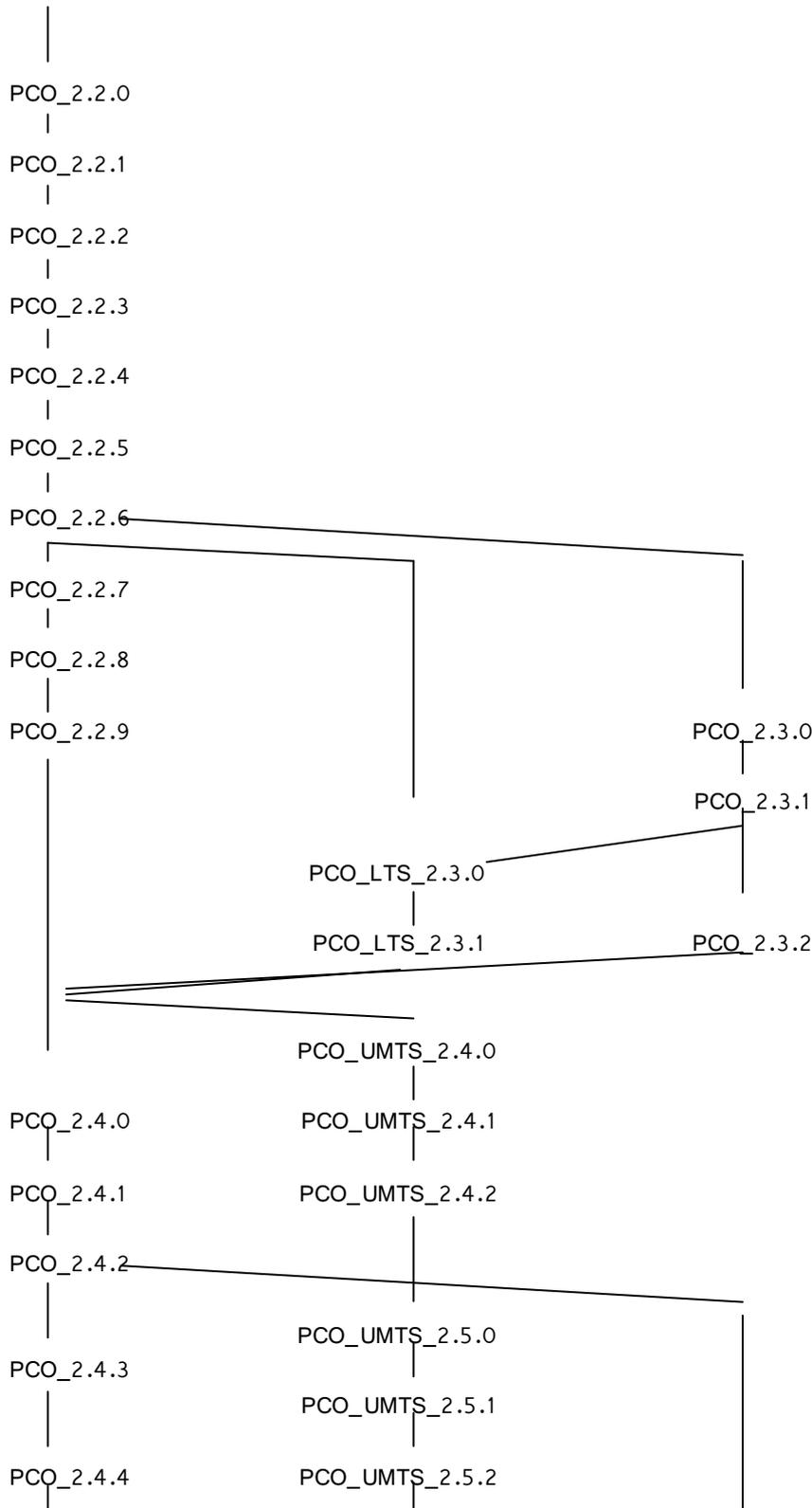


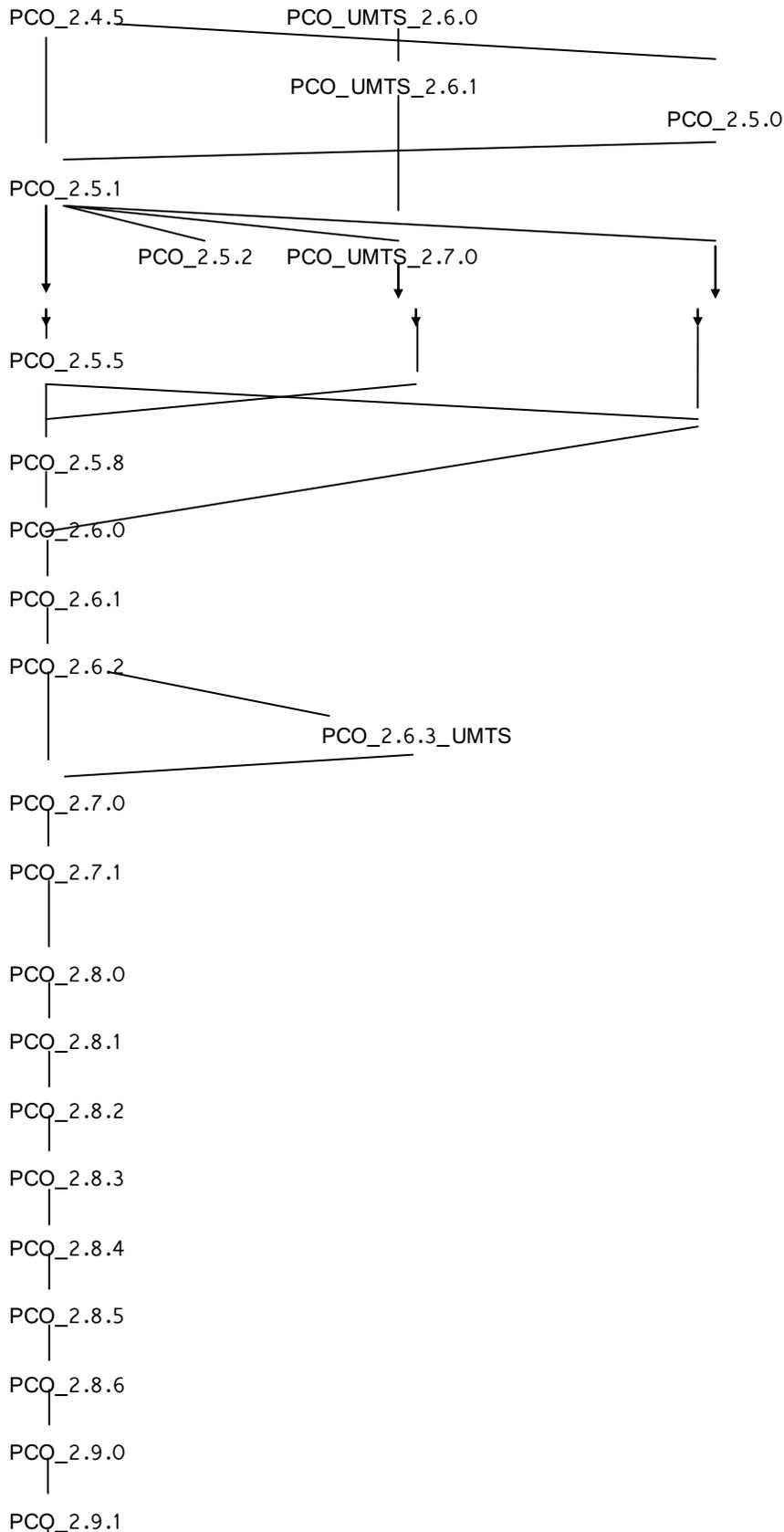
Info	
Manager:	FR
Resources:	FR, RK
Start:	02.08.2000
End:	

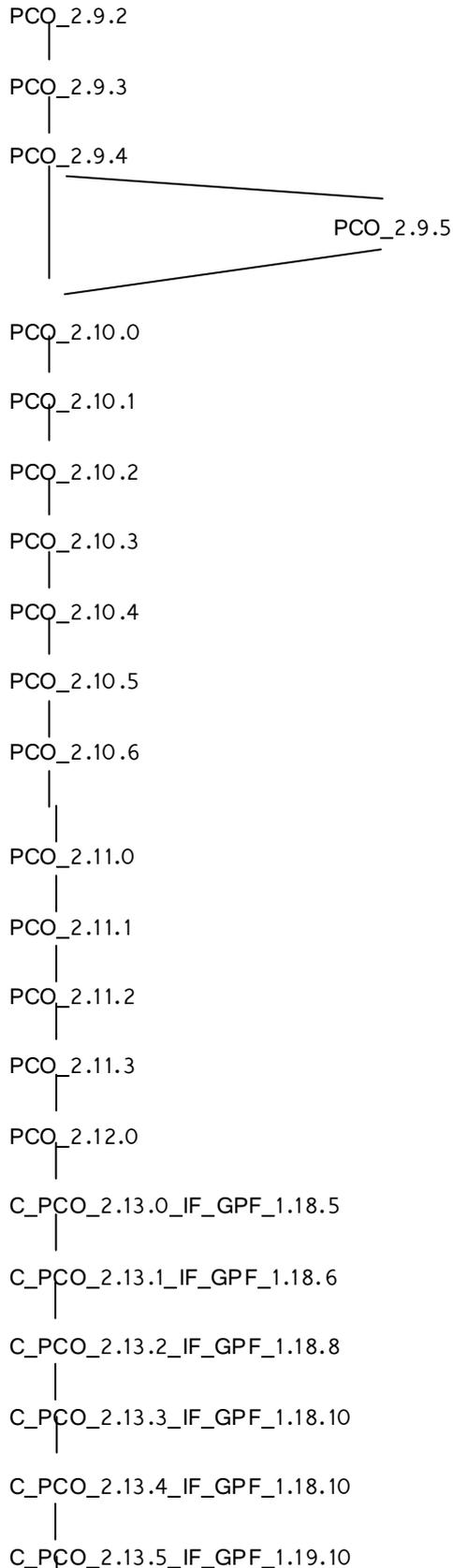
VERSION TREE2

HISTORY TEXTS      6

## Version tree







C\_PCO\_2.13.6\_IF\_GPF\_1.19.10

## History texts

<b>02.08.2000</b>
- first adaption tries of pco2000 form SH to actual trace message format (which the
- win32 frame debugging
<b>03.08.2000</b>
- running versions of client and server with actual trace message format (which the stack
- win32 frame debugging
- clearcase integration of pco_srv (server)
- first version of makefile for pco
<b>07.08.2000</b>
- real T_SYST_HEADER imported
- testpcoserver -> pco_ctrl
<b>9.08.2000</b>
- first version of readme_pco.bat
<b>10./11.08.2000</b>
- target-test
<b>14.08.2000</b>
- resource.h files moved to src-directories (where vc++ resource management expects it)
<b>17.08.2000</b>
- pco_srv_core.cpp/.h with basic server funtions created
- pco_view_core.cpp/.h with basic viewer funtions created
- sender will be shown in standard view now
<b>21.08.2000</b>
- sender choice in standard-view added
<b>24.08.2000</b>
- systmessage-format corrected
- standard-view now with storable configuration
- standard-view interprets now \$-Traces (using ccredit, statically linked for now)
<b>25.08.2000</b>
- initial version of pco.doc created
- dynamic view-server connection/disconnection now possible

<b>28.08.2000</b>
- standard-view layout and functionality improved
- loading and interpretation of logfiles in server implemented
- controller layout and functionality improved
<b>30.08.2000</b>
- initial pco_ctrl_core.h/.cpp created
- first version of pcod – command line server
<b>31.08.2000</b>
- pcod (command line server) improved
- pco_ctrl_core integrated into command line controller
<b>04.09.2000</b>
- input of time span for reading from logfile now possible
- pco2.bat extended
<b>06.09.2000</b>
- controller requests now available testcases from server
- ini-file will be interpreted in server command-line version, too
- GUI-server will be positioned at right bottom
<b>13.09.2000</b>
- now receiving of non-trace messages is possible
- GUI-server can be minimized to system tray now
<b>14.09.2000</b>
- Target-Test
<b>18.09.2000</b>
- Target-Test
- gnumake checkin improved
- Sort mechanism for standard view implemented
<b>20.09.2000</b>
- Target-Test
- Sort mechanism for standard view improved
- Standardview can write old-style logs now
- Standardview can display each entity with different colors
- Acces Violations at PCO-exit eliminated (mostly)
- Find-function in Standardview implemented

<b>28.09.2000</b>
- Target-Test
- Preparation of first Test-Release
<b>29.09.2000</b>
- Target-Test
- First Test-Release
- several Bubble-help textes added
<b>02.10.2000</b>
- Controller: DoubleClick in filter lists is enabled now
- IniFile: „Primfile“ in „Controller“-section
- StandardView splitted
<b>05.10.2000</b>
- usage of pco.ini now really shared
- readme_pco.txt now without tabstops
<b>06.10.2000</b>
- server open one logfile for each view, if it requests data
<b>09.10.2000</b>
- controller: view.txt interpretation corrected
<b>12.10.2000</b>
- „testcase“ -> „testsession“
- controller: update testsession now actually resets combobox-list
<b>16.10.2000</b>
- viewer: environment storing improved
- call of p_delete at end of every cms-procedure
<b>19.10.2000</b>
- double click sends primitives now
- second box for storing primitives
<b>27.10.2000</b>
- moanbtn-support added to server
- sorting in view improved
<b>09.11.2000</b>
- macro-buttons integrated into GUI-controller
<b>10.11.2000</b>
- standard viewer now saves the split-dimension, too

- GUI-Controller does not exit on ESC anymore
<b>13.11.2000</b>
- Reloading of view.txt now really works
- Activation of all views by controller activation implemented
<b>27.11.2000</b>
- server now sends „PCO_KILL“ to all clients, if it got it from controller
<b>30.11.2000</b>
- controller and server now really quit, when there is already a process
<b>01.12.2000</b>
- saving of an output file added
<b>07.12.2000</b>
- server queue enlarged
- systray icons now really removed
- priority of cms_proc reduced and timeout for reading from queue rised
<b>15.12.2000</b>
- sleep integrated in cms_proc
- first version of userguide
- first PUBLIC-version in clear case
<b>18.12.2000</b>
- userguide improved
<b>08.01.2001</b>
- server path now configurable from GUI
<b>11.01.2001</b>
- server cms queue expanded
<b>12.01.2001</b>
- server path will now be created automatically if not existing
- OPC will be shown instead of „##no primname##“
<b>18.01.2001</b>
- q_read is waiting now without timeout
<b>29.01.2001</b>
- Traces with „ERROR“ are now displayed with red text
- incredible speedup by using extra threads for GUI-updates
<b>02.02.2001</b>
- Server and viewer are running with object oriented cores now

- Server and viewer are using two queues/threads now – one for ctrl-messages & one	
<b>26.02.2001</b>	
- User guide and developer description improved	
- PCO-viewer template class created (base of PCOview_core)	
<b>27.02.2001</b>	
- implementation of filter functionality on server started	
- PCO_STATUS now working between controller and server	
<b>28.02.2001</b>	
- dbg-files export implemented	
- font can be changed now	
<b>01.03.2001</b>	<b>PCO_2.2.0</b>
- filter on server side implemented	
- no more s_mode('n') in release pcoviewer (strange access violation)	
<b>15.03.2001</b>	
- makefile improved (targets checkin, label ...)	
<b>16.03.2001</b>	<b>PCO_2.2.1</b>
- view will now show new entities in filter-list again	
<b>05.04.2001</b>	
- options dialog added to standard viewer	
- server will route traces/primitives from TST to the clients anytime now independent from	
- maximum count of prims/traces to be shown now configurable in standard viewer	
<b>09.04.2001</b>	
- adaption to new FRAME-registration-concept for external CMS-queues	
<b>19.04.2001</b>	
- userguide improved	
- changing of colors now possible from context-menu/main-menu	
<b>23.04.2001</b>	<b>PCO_2.2.2</b>
<b>3./4.05.2001</b>	
- first version of treeview with parameters/values of primitives created	
<b>15.05.2001</b>	<b>PCO_2.2.3</b>
- standard viewer now described in userguide	
- raw primitive field added to dynamic array	
<b>21.05.2001</b>	
- size of primitive queue can be set in pco.ini now	

- problem with viewer filter changing automatically sometimes solved	
<b>25.05.2001</b>	
- description improved	
<b>28.05.2001</b>	
- first official version of description ready	
<b>11.06.2001</b>	
- Problem with large PIDs under win98 solved	
<b>15.06.2001</b>	
- direkt dependencies from server to „PCOC“ removed	
<b>18.06.2001</b>	
- command line controller accelerated	
- controller is now object oriented as well	
- GUI controller now reads from a start list to start any kind of configured applications	
<b>19.06.2001</b>	<b>PCO_2.2.4</b>
- activation of all test environment windows implemented	
<b>02.07.2001</b>	
- „hide“-option in start list of GUI-Controller added	
- PCO_SET_SESSIONPATH introduced	
<b>06.07.2001</b>	
- GUI-Controller interface improved	
- PCO_DISTRIB_LOGFILE introduced	
<b>13.07.2001</b>	<b>PCO_2.2.5</b>
- pco2.bat will check now for %PROST% and chdir to use special config-files	
- first version inside new labeling concept	
<b>19.07.2001</b>	
- [-I <ini-file>] parameter added to GUI-PCO-Components	
- [-env] parameter added to GUI-PCO-controller	
<b>26.07.2001</b>	<b>PCO_2.2.6</b>
- View.txt and pco_start.lst now exported to GPF/BIN	
- userguide improved	
- Problem with automatic exiting of viewers solved	
<b>03.08.2001</b>	
- version.h introduced	
- semaphore blocking problem with logfile-mode in pco-server solved	

<b>08.08.2001</b>		
- new treelist control inserted		
- ccdedit usage enhanced		
<b>09.08.2001</b>	<b>09.08.2001</b>	
- error in treelist control		
<b>16.08.2001</b>		
- pco.ini file now provided as pco.ini.defaultl -> will be copied the first time		
<b>23.08.2001</b>	<b>PCO_2.2.7</b>	
- pco2.bat with params for default configs (com1/2,sim,ti_mux)		
- problem with view.txt reading		
<b>27.08.2001</b>		
- reading of very long entries in View.txt now		
- ,# <sup>^</sup> to deactivate now possible in pco_start.lst		
<b>29.08.2001</b>		
- now 500 entries in View.txt possible		
- version info for GUI server and command line tools		
<b>03.09.2001</b>	<b>PCO_2.2.8</b>	
- last dir in viewer export dialogs now stored in svc-		
- testsession names now send in portions (if		
		<b>05.09.2001</b>
		- first version with ipc-message header
		- pco_view_framsupp created
<b>06.09.2001</b>		<b>06.09.2001</b>
- char* comparing problem in server client list solved		- char* comparing problem in server client list solved

- width of columns is now stored in svc-file, too		
<b>10.09.2001</b> <b>PCO_2.2.9</b>		<b>10.09.2001</b> <b>PCO_2.3.0</b>
- shown strings stored in svc-file as well now		- adapted to FRAME_2.4.x (OPC32)
	<b>17.09.2001</b>	
	- individual colors for each viewer-entry now possible	
	- window header contains now meaningful informations	
		<b>28.09.2001</b> <b>PCO_2.3.1</b>
		- pco_install introduced
		- some more default configs
	<b>01.10.01</b> <b>PCO_LTS_2.3.0</b>	
	- ccd decoding enabled	
	- viewer synchronization implemented	
	<b>25.10.01</b>	
	- id type changed for 32Bit	
	<b>29.10.01</b>	
	- export in viewer now correct again	
	- virtual function call problem solved for server	
	- „PCOS“ now default name for server queue again	
	- command line controller now with return values and -n parameter	
	<b>05.11.01</b> <b>PCO_LTS_2.3.1</b>	<b>05.11.2001</b> <b>PCO_2.3.2</b>
	- pco_install with update +	- nowatch initialized in
		- basic str2ind support
		- pco_install with update
<b>12.11.2001</b>	<b>12.11.2001</b>	<b>PCO_UMTS_2.4.0</b>
- first version of pco_view.lib	- adapted to new SYST_HEADER	
<b>15.11.2001</b>		
- pco_description updated for pco_view.lib		

<b>29.11.2001</b>		<b>29.11.2001</b>	
- first version of GUI for pco_start.lst		- PCON patch	
- version info from stack now interpreted			
<b>03.12.2001</b>	<b>PCO_2.4.0</b>	<b>03.12.2001</b>	<b>PCO_UMTS_2.4.1</b>
- saving of all columns in viewer now		- saving of all columns in viewer now	
- ind2str directory introduced			
<b>06.12.2001</b>	<b>PCO_2.4.1</b>	<b>06.12.2001</b>	<b>PCO_UMTS_2.4.2</b>
- replay button now works every time		- bug in interpreting primitive structures	
- bug in interpreting primitive structures			
- server now always forwards &-SYST-			
<b>07.12.2001</b>			
- addapted to FRAME_2.4.6 and			
- entry removing in viewer possible again			
- sender watch list improved			
<b>13.12.2001</b>	<b>PCO_2.4.2</b>		
- userguide updated			
- mall.bat now supports option „noexport“			
<b>14.12.2001</b>		<b>14.12.2001</b>	
- bug while interpreting arrays removed		- bug while interpreting arrays removed	
- ccdedit usage improved		- ccdedit usage improved	
<b>17.12.2001</b>		<b>17.12.2001</b>	<b>PCO_UMTS_2.5.0</b>
- autosave now default again		- addapted to CCD_2.2.0	
		- first try with new region	
<b>20.12.2001</b>			
- GUI-controller can now change session			
- question before overwriting testsession			
<b>03.01.2002</b>	<b>PCO_2.4.3</b>		
- bug in ind2str-interpretation fixed			
- pco_kill.bat added			
<b>09.01.2002</b>			
- pco_view.lib -> lib\WIN32			
<b>10.01.2002</b>		<b>10.01.02</b>	<b>PCO_UMTS_2.5.1</b>
- data queuesize minimized		- data queuesize minimized	

<b>11.01.2002</b>	<b>11.01.02</b>	
- invalid elements can be	- invalid elements are shown	
- max detail levels in	- max detail level in	
- str2ind table now searched in subdirs, too		
<b>14.01.2002</b>	<b>14.01.02 PCO_UMTS_2.5.2</b>	
- size of data queue can be set in pco.ini	- support of unions	
- array interpretation more correct	- array interpretation more correct	
- support of unions		
- find functionality in viewer enhanced		
<b>17.01.2002 PCO_2.4.4</b>		
- info string added to viewer		
- controller position saved		
	<b>28.01.02 PCO_UMTS_2.6.0</b>	
	- support of new frame	
<b>01.02.2002 PCO_2.4.5</b>		<b>01.02.2002</b>
- automatic str2ind check		- check_pco.bat introduced
- file versions now up to		- support of new frame
- last ASCII-output-name		
- str2ind handling corrected		
	<b>08.02.02 PCO_UMTS_2.6.1</b>	<b>08.02.02</b>
	- array interpretation fixed	- array interpretation fixed
		<b>11.02.02</b>
		- installer script added
		- temporary dirs now created automatically
		<b>18.02.02 PCO_2.5.0</b>
		- str2ind path in ini-file now
		- delivery script now depending on version.h, too
	<b>21.02.02</b>	<b>21.02.02</b>
	- handling of empty traces	- handling of empty traces
		- mobile ID editable in

		- „make checkin“ improved, „make Isco“ added
		<b>04.03.02</b>
		- server id now U8 as in
<b>08.03.2002</b>		
- merge of main versions		
<b>25.03.2002</b>	<b>PCO_2.5.1</b>	<b>25.03.2002</b>
- str2ind infos in Userguide		- merge from PCO main version
- startup timing problem solved		
<b>04.04.2002</b>		
- str2ind error handling improved		
- server can set time in primitives now		
<b>05.04.2002</b>		<b>05.04.2002</b>
- pcoc and pco_ctrl can be started together now		- first window for graphical stack configurator
- logfile-viewer in server -> traces are stored		
<b>08.04.2002</b>	<b>08.04.2002</b>	
- bug in union interpretation fixed	- bug in union interpretation fixed	
- compressing of zeros in hex dump	- compressing of zeros in hex dump	
	<b>12.04.02 PCO_UMTS_2.7.0</b>	
	- release	
<b>15.04.2002</b>		
- server more stable with incorrect log-files		
- ctrl_gui->		
- mkver.bat introduced		
<b>16.04.2002</b>		
- chver.bat added		
- tst-settings dialog in GUI-controller added		
<b>18.04.2002</b>		
- binary buffer support		
- call to mscview from		

<b>02.05.2002</b>		
- server settings dialog		
- time stamping by server implemented		
- auto time format in viewer		
<b>06.05.2002</b>	<b>PCO_2.5.5</b>	
- opc filter added		
- filter documentation added		
<b>16.05.2002</b>		
- del-key works in sender-filter		
- back merge from UMTS branch -> hybrid		
<b>17.05.2002</b>		
- expand/shrink of SYSTEM-prim list in		
<b>24.05.2002</b>		
- request logfile from viewer integrated		
<b>03.06.2002</b>		
- PCO-Viewer: check_communication added		
- Controller: first version with tracedass		
<b>05.06.2002</b>		
- bin/obj-dirs removed from clearcase -> new auto-creation concept in makefile		
- Controller: first version with tracedass		
<b>06.06.2002</b>	<b>PCO_2.5.8</b>	
- traceclass editor improved		
<b>07.06.2002</b>		
- byte counter in server		
<b>27.06.2002</b>	<b>PCO_2.6.0</b>	
- linked with FRAME_2.6.0, CCD_2.4.0 and CCDDATA_1.4.0		
<b>28.06.2002</b>		
- inplace copy in viewer added		
<b>04.07.2002</b>		
- internal semaphore problem solved in viewer		
- OPCFilter: now also non decodable opc-s added		
- Traceclass editor now inline		
- viewer speed improved (esp. while searching)		

<b>05.07.2002</b>	
- clearmake integrated into mall.bat	
<b>08.07.2002</b>	<b>PCO_2.6.1</b> <b>PCO_2.6.0</b>
- release	
<b>11.07.2002</b>	
- controller: easy start of viewer	
- server: supports now disabling of forwarding of all traces or primitives	
<b>15.07.2002</b>	
- server: dbg-file creation while logging	
<b>24.07.2002</b>	
- synchronization problem in viewer solved	
<b>25.07.2002</b>	
- bscmake included	
- viewer: count of selected entries will be shown in status bar	
- viewer: original receiver integrated	
<b>29.07.2002</b>	
- viewer: mark all introduced	
- viewer: Shift-F3, F2, Shift-F2 introduced	
<b>01.08.2002</b>	
- viewer: some more searching/selecting improvements	
<b>08.08.2002</b>	
- viewer: bug while deleting entries fixed	
- server: now indirectly depends on frame.dll -> auto start of tst.exe	
- viewer: “-open”-parameter added	
- server: bug while requesting a logfile fixed	
<b>09.08.2002</b>	
- server: support of relative filenames when requesting logfile	
- controller: first try with SAP-Grid	
- controller: first try with TCGen support	
<b>12.08.2002</b>	<b>PCO_2.6.2</b>
- controller: TCGen-Dialog added	
- controller: SAP-Grid functioning now	
<b>16.08.2002</b>	
- pco_intro.ppt updated	

- pco_miniview ccd free again	
<b>23.08.2002</b>	<b>23.08.2002</b> <b>PCO_2.6.3_UMTS</b>
- union handling fixed	- union handling fixed
- array handling fixed	- array handling fixed
- zero collection in hexdump fixed	- zero collection in hexdump fixed
<b>29.08.2002</b>	
- adapted to new pcon.dll (dynload)	
- pointer to array handling fixed	
- tooltip with full message in viewer	
- byte sex option in viewer integrated	
<b>04.09.2002</b>	
- array handling now compatible with CCDDATA_1.4.0/ccddedit	
<b>05.09.2002</b>	
- comments can be added to entries in viewer	
<b>11.09.2002</b>	
- viewer context menu improved	
- gpfcfg directory introduced	
- filter applying when loading init logfile fixed	
<b>12.09.2002</b>	
- explicit loading of str2ind-table now possible	
<b>16.09.2002</b>	
- controller height changeable	
- communication settings now centrally changeable in controller	
- logfile-format changed -> <newline> after each entry	
<b>19.09.2002</b>	<b>PCO_2.7.0</b>
- viewer: autoclose-problem solved	
<b>26.09.2002</b>	
- direct toolbar buttons for store/load config+entries	
<b>30.09.2002</b>	<b>PCO_2.7.1</b>
- documentation updated	
- pcoc supports sending of a whole bunch of SYSTEM primitives	
- View.txt refreshed and pco_stack.xml updated	

<b>31.10.2002</b>	
- shut-down-problem for WinXP solved	
- Viewer: cleaning of entry list now with shortcut Ctrl+N	
- all current 8 traceclasses supported in matrix	
<b>04.11.2002</b>	
- adapted to frame/misc-naming without	
<b>19.11.2002</b>	<b>19.11.2002</b>
	- old/new TST header can be selected in controller
<b>22.11.2002</b>	
- tmp-file for mscview not deleted anymore	
- first version of hexdump import	-
- bug while reading pco_stack.xml fixed (e.g. GMM-duplication led to MM	-
<b>25.11.2002</b>	
- hexdump import dialog completed	
<b>28.11.2002</b>	
- bubble-tips can be switched off	
- str2ind-dir directly editable	
- tracemultiplexer is now only started if not already running	
- news announcement if updated	
<b>29.11.2002</b>	
- time stamp created by server in ms	
<b>02.12.2002</b>	
- only logfiles with version ID supported anymore (PCO_2.5.5 and above)	
<b>11.12.2002</b>	
- usage of fixed sh.exe	
<b>12.12.2002</b>	
- Viewer: .sve & .pco loadable by double click in explorer	
<b>16.12.2002</b>	
- TST ignored allowed in pco_stack.xml	
- controller: minimum height ensured now	

- server: trace-string-size checked while	
<b>06.01.2003</b>	
- ccddata_dll.dll without symbols detected	
- viewer: problems with unit-arrays solved	
- viewer: arrays with one element not as	
<b>10.01.2003</b>	
- str2ind description added to pco_intro.ppt	
<b>14.01.2003</b>	
- no more hanging while controller exit	
<b>17.01.2003</b>	
- adapted to new TraceMultiplexer	
- controller size adapted to 800x600	
- controller: SYSTEM-primitives can now be copied from the pool	
- visibility of windows ensured	
- SYSTEM-primitives specified in matrix can now be copied to clipboard	
<b>20.01.2003</b>	
- no more usage of ipc.dll	
- the base for displaying basic types in the detail-treeview may be specified in	
- The Matrix supports now the timer-traceclass and 4 user traceclasses	
<b>27.01.2003</b>	<b>PCO_2.8.0</b>
- release inside GPF-13	
<b>06.02.2003</b>	
- application shutdown more “soft” now	
- controller will switch tst to “sim” before each communication change to avoid COM-port	
<b>13.02.2003</b>	
- length of original receivers checked now	
<b>17.02.2003</b>	<b>PCO_2.8.1</b>
- testtools release 30	
<b>20.02.2003</b>	<b>PCO_2.8.2</b>
- server will automatically disconnect from crashed viewers	
- width of controller changeable	
- build with bugfixed FRAME_2.9.1	
<b>24.02.2003</b>	
- server will not request for initial session path anymore – but controller instead	

<b>03.03.2003</b>	
- pointer interpretation fixed	
<b>22.04.2003</b>	
- traceclass changings in the matrix will now be sent immediately	
- viewer: export to dbg-file no every time with full ms	
<b>28.04.2003</b>	
- maximal entries count now stored in viewer svc-file	
- ugly graphics bug in controller fixed	
<b>30.04.2003</b>	
- maximal entry overflow in viewer improved (no more memory waste)	
<b>02.05.2003</b>	<b>PCO_2.8.3</b>
- no more windows handle waste	
<b>12.05.2003</b>	
- OPC shown in "IN:/OUT:" traces	
- no more crash on crappy ini-file	
<b>28.05.2003</b>	
- server: dbg-files for '~'-entities -> __xx.dbg	
<b>02.06.2003</b>	
- PCO_INIFILE_CHANGED introduced	
<b>03.06.2003</b>	
- STR2IND-errors will not be written into logfile	
- adapted to VC6 environment	
<b>04.06.2003</b>	
- clean in a viewer will result in cleaning all others as well (if in sync-mode)	
- special characters in dbg-name will be replaced by '_'	
- The about box contains a link to the readme file	
- changes in SAP-Matrix will be sent immediately now	
<b>05.06.2003</b>	<b>PCO_2.8.4</b>
- some fixes concerning loading of svc-files	
- problem while changing test environment fixed	
<b>16.06.2003</b>	
- time sync improved	
<b>17.06.2003</b>	
- traces including \n or \r will be split up into multiple lines	

<b>23.06.2003</b>	
- pco now even more stable concerning corrupted ini-files	
- empty sender string will be replaced by “??”	
- viewer can stop on individual specified strings in traces now	
- column headers in matrix selectable	
<b>26.06.2003</b>	<b>PCO_2.8.5</b>
- problems with to long sender/receiver names fixed	
- click in left upper corner of matrix will clear all selections	
<b>07.07.2003</b>	
- FAQ included	
<b>08.07.2003</b>	
- direct access to trace/prim/airmessage filter settings in viewer	
<b>10.07.2003</b>	
- error traces will be enabled in the default matrix	
- viewer speed increased	
<b>14.07.2003</b>	<b>PCO_2.8.6</b>
- special handling of L1 traces -> rudimentary interpretation	
- TCGen dialog updated	
<b>21.07.2003</b>	
- dropdown list for predefined communication types in controller	
- adapted to new ccddata concept	
- ccddata-path changeable from viewer-options dialog	
<b>22.07.2003</b>	
- support of some more layer1 trace type, but still no generic approach	
- support of session renaming after stop logging	
- Explicit unloading of str2ind table now possible	
<b>28.07.2003</b>	
- tst output can be shown/hidden from controller dialog	
- “matrix reloaded”	
- Reorganization of Matrix now supported via context menu	
- Automatic configuration of entity observation	
- Primitive pool in controller (view.txt) now fully editable	
<b>31.07.2003</b>	
- PCO-FIX-10644 solved	

<b>07.08.2003</b>
- loading of big .sve files improved
- The Matrix content can be saved/loaded now
<b>11.08.2003</b>
- fix concerning very long testsession names
<b>12.08.2003</b>
- issue PCO-ENH-9338 solved
- issue PCO-ENH-11591 solved
- undecodable SDU's will be expanded as well -> issue PCO-ENH-11500 solved
- Controller cannot be moved outside the primary screen anymore -> issue PCO-ENH-
- position handling improved -> issue PCO-ENH-11606 part B)
<b>14.08.2003</b>
- NoScreenBoundary switch for controller introduced in ini-file
- Selection change in detail tree of Standard Viewer results in selection change in entry
<b>15.08.2003</b>
- command line interpretation improved for GUI-Controller/-Server
- Selected entries in viewer can now be decoded by L1 decoder via the Tools-menu
<b>18.08.2003</b>
- documentation: merge of new official format
- Viewer: under view/options the columns used during copy/paste can be selected
- server overwrites zero time stamps with current PC-time
<b>21.08.2003</b>
- copy/paste format for GUI-controller syst-primitives changed to pcoc supported format
- creation of dbg-files can be disabled in GUI-Server settings
- Usage of PCO for GSM_333 is described in pco_intro.ppt
<b>01.09.2003</b>
- GUI controller now runs also as viewer -> trace reaction possible now
- Standard Viewer supports Config-Sets (ccddata/str2ind)
<b>04.09.2003</b>
- Autosend functionality after Target-Reset added to controller
- User-Traceclass handling in controller improved
<b>08.09.2003</b>
- interpretation of received data more save (__try/__except win32)
- first version of pco_dump.exe (command line viewer) created

<b>09.09.2003</b>	
- pco_dump improved (e.g. logfile loading implemented)	
- copying of grid/macro content in controller improved	
<b>11.09.2003</b>	
- auto clean in parallel viewers more save	
<b>17.09.2003</b>	
- send_sycmd( ) added to PCOView_frameSupp viewer class	
<b>22.09.2003</b>	<b>PCO_2.9.0</b>
- memory waste in viewer reduced -> PCO-ENH-12248 solved	
- Userguide updated	
- pco2.bat improved	
<b>02.10.2003</b>	
- controller will fit into gentle after initial and clean start	
- detail-tree creation slightly improved	
<b>06.10.2003</b>	
- .pco-logfiles can be partially loaded now	
<b>10.10.2003</b>	
- &-commands in traces are only accepted from "SYST" anymore	
- Re-Request of last logfile via viewer now possible	
<b>13.10.2003</b>	
- Communication can be easily resetted by new button in lower right corner	
- Update information can be redisplayed via new controller-button in the bottom middle	
- "Decoding failed" in pure airmesssage mode contains more info now	
<b>16.10.2003</b>	
- str2ind-table will be unloaded, if errors occur during interpretation	
- heuristic interpretation of parameters in un-decompressable traces	
<b>17.10.2003</b>	
- checkboxes introduced in macro-button list	
- View.txt updated	
- Display of hints supported now	
<b>20.10.2003</b>	<b>PCO_2.9.1</b>
- "add viewer" in controller will add chosen .svc-file in double quotes to avoid problems	
- issue PCO-FIX-12735 fixed	
- ConfigSet management in Viewer improved	

- Currently loaded CCDDATA-lib can be traced via ‘view’-menu of Standard viewer
- FAQ updated
- new hints added
<b>22.10.2003</b>
- clean in viewer will clean detail tree as well
<b>23.10.2003</b> <span style="float: right;"><b>PCO_2.9.2</b></span>
- linked with pdi-fixed ccddata_load
- some internal fixes
<b>27.10.2003</b>
- maximum and default size of data in queues changed to 65535 (constant and in
- hints-functionality improved
<b>30.10.2003</b>
- if in autoscroll mode, the last item of a logfile will be selected after
- \g23m\ssa_release\util\trace\TraceMultiplexer.exe as multiplexer-source added to
- Bitstring support added to standard viewer
- stack size for viewers increased to 5MB
- some misspelling-issues solved
<b>04.11.2003</b>
- find-dialog of standard viewer will keep focus
- usage of ccd_decodeMsgPtr( ) instead of ccd_decodeMsg( )
- TC_BINARY traceclass added to matrix
- controller will setup communication before starting applications
- traces matching a string from the Stop-String-List will be selected continuously
<b>10.11.2003</b>
- ASCII-output can optionally contain details of duplicated primitives
<b>13.11.2003</b>
- Copying of a whole detail tree to clipboard possible -> ISSUE 12728
- Binary buffer support improved
- usage of desc.c_implicit
- ISSUE 13855 ... solved since PCO_2.9.0
- ISSUE 13856 ... solved since PCO_2.9.1/PCO_2.9.2
- controller: “Configure ..“ -> “Edit ...” in “test environment”-section -> ISSUE 13856
<b>19.11.2003</b>
- Controller: reorganize dialog improved
- matrix menu improved

- Viewer: Stop-String dialog improved	
- Viewer: “Re-apply filter\TF5” introduced in view-menu	
- Controller: command pool can be saved/loaded	
- Viewer: hexdump-input dialog supports msg_type input	
<b>20.11.2003</b>	<b>PCO_2.9.3</b>
- new hints added	
<b>24.11.2003</b>	
- Viewer: Copy/Paste in Find dialog reenabled	
- file-mode of tst supported by controller	
<b>28.11.2003</b>	
- Viewer: Config-Behaviour improved -> ISSUE: PCO-FIX-15854	
- Viewer: PCON state will be shown in status line	
- file-mode of tst more transparent for user	
- general matrix introduced	
<b>08.12.2003</b>	
- general matrix improved	
- matrix tooltips added	
- Heap creation more secured	
- autosend default for “send-config” -> ISSUE: PCO-FIX-15585	
<b>15.12.2003</b>	<b>PCO_2.9.4</b>
- Viewer: dbg-file import possible now	
<b>18.12.2003</b>	
- crash with not-loaded ccddata-DLL fixed	
<b>22.12.2003</b>	
- reset settings possible in viewer now	
- searching in detail tree possible now	
- ccddata-DLL included in pco-logfile	
<b>05.01.2004</b>	
- autologging implemented in controller	
- Controller: files will be displayed in dir-browse-dialog	
<b>06.01.2004</b>	
- Drag&Drop is now possible with .dbg/.pco/.sve/...-files on Viewer and Controller	
- Memory allocation more secure now	
- data request dialog in viewer improved	

<b>07.01.2004</b>	
- PCO_GET_LOGFILE_INFO introduced	
- Import of *_dbg-files implemented	
- Replay-Slider introduced in controller	
<b>08.01.2004</b>	
- server ignores livedata in logfile mode	
- PCO_LOGFILE_COMPLETE sent from logviewer to server	
<b>09.01.2004</b>	
- Disable L1 Traces included in default view.txt	
<b>12.01.2004</b>	
- default view.txt enhanced	
- controller: "Reset"-Button -> "Disconnect"/"Connect"/"Reload"	
- viewer: export to ASCII-file depends on count of selected entries	
- viewer: mark of selected item improved	
- viewer: headers of listview can be resorted	
- pcoc supports new parameter "info"	
<b>13.01.2004</b>	<b>PCO_2.9.5</b>
- internal problem with logviewer exit solved	- internal problem with logviewer exit solved
<b>14.01.2004</b>	
- viewer: copy/paste in str2ind-edit field enabled	
<b>15.01.2004</b>	
- parameters of tcgen dialog will be stored in registry	
- entity-filter is checked on sender and receiver for primitives	
- logfiles with count-field=0 will be recalculated upon count request	
<b>26.01.2004</b>	
- autosend of stack config disabled per default	
<b>27.01.2004</b>	
- special heap-handling removed in standard viewer	
- controller: support for NODRV option of TST	
<b>28.01.2004</b>	
- server: handling of PCO_SEND_PRIM improved	
- viewer: first version parameter observation	
<b>29.01.2004</b>	
- Syst_prim dependencies removed from pco_srv_core	

<b>02.02.2004</b>
- p_delete(p_pid()) calls removed
<b>03.02.2004</b>
- controller: support of drag/drop for xml-files
- issue PCO-ENH-13671 solved
<b>05.02.2004</b>
- viewer: insert of hexdump like "001F(134*00)34" possible now
- recognition of too new logfiles
- long operations like sorting can be canceled
<b>10.02.2004</b>
- viewer: max entry count can be set up to 100000000
- entry index from logfile will be used during replay
- viewer: mark all works now also with search options -from cursor- and -up/down-
- PCO_COPY_LOGFILE implemented
- Viewer: if logfile is loaded, selected entries can be copied to new one
<b>12.02.2004</b>
- controller: (parts of) logfiles can be saved into new ones
- ini-file opening improved
- p_delete(p_pid()) calls inserted again
- all pure virtual functions removed
<b>16.02.2004</b>
- viewer: handling of long str2ind-searches improved / cancellation possible
- problem while logfile interpretation fixed
<b>17.02.2004</b>
- viewer: options dialog improved
- viewer: default configuration for double-click file opening can be specified
- viewer: logfile entry count barrier on which PCO will ask if only parts are wanted can
- delivery of internal version improved
<b>18.02.2004</b>
- resource.h files renamed unique
- viewer: detail-expand level for ASCII export can be specified
- tap/tapcaller will be included in internal setup package
- viewer: find dialog contains new buttons for inserting values from the entry currently
- on logfile loading evtl. a new xxx_ccddata.dll file will be created

<b>23.02.2004</b>	
- pco_intro.ppt updated	
<b>25.02.2004</b>	
- pco_filtering.ppt introduced	
<b>26.02.2004</b>	
- start list dialog improved	
- controller: start list can be saved/loaded	
<b>27.02.2004</b>	
- viewer: reset settings will reset font, too	
- viewer: after .sve-file import file name will be displayed in title and viewer will	
<b>01.03.2004</b>	
- viewer: first version of param observer ready	
<b>03.03.2004</b>	
- viewer: bug during cleaning fixed	
- viewer: param observer will only accept traces matching as a whole	
- viewer: param observer will same time-style as entry-list	
- viewer: param observer supports sorting	
- hints updated and enhanced	
- viewer: F5 works independent of current focus	
<b>04.03.2004</b>	
- controller: ini-file and rules-file of tcgen can be opened via tcgen-dialog	
<b>05.03.2004</b>	<b>PCO_2.10.0</b>
- internal bug concerning zero-length traces fixed	
- release for GPF_16b	
<b>13.04.2004</b>	<b>PCO_2.10.1</b>
- CCD-free versions removed	
- bug during interpretation of crappy traces with % chars fixed	
- view.txt enhanced conceming issue RR-SPR-18942 \gpf\cfg\View.txt.default@ @\main\rk_pco_dev\XGIRIDHA_view_msrac_iot\2	
<b>14.04.2004</b>	
- internal startup timers increased	
- edit behavior of sender-filter slightly improved	
<b>15.04.2004</b>	<b>PCO_2.10.2</b>
- F-Sample and Dolomites_DC EVM default communication-setup added to controller	
- F-Sample and UMTS default config-sets added to viewer	

<b>16.04.2004</b>
- slim setup package introduced
- server status is sent to viewers upon change
<b>22.04.2004</b>
- cancel-btn in param-observer-settings
<b>23.04.2004</b>
- param-observer remembers widths as long as the mask is not changed
- param-observer supports individual colors per mask
- export/import of param-observation masks possible now
- chapter about parameter observation added to userguide
<b>26.04.2004</b>
- default communication-config for “highspeed” tracing added
- viewer: general setting for logfile-ccddata-usage introduced
<b>28.04.2004</b>
- UPM added to default matrix
- all needed libs linked to pco_view.lib
- SLIM setup package reduced to size 2,6MB
<b>29.04.2004</b>
- Documentation accessible via Viewer menu independent from start dir
- File Formats section introduced in userguide
<b>04.05.2004</b>
- uninterpreted hexdump support added to detail tree -> ISSUE: PCO-ENH-17446
- font setting will be applied to all sub windows of standard viewer
<b>05.05.2004</b>
- .sve-files do not contain binary data anymore
- .pco-file storing now fully supported also by standard viewer
<b>12.05.2004</b>
- hexdump import fixed
- raw data as received from PS can be shown in detail tree
- simple mall -test implemented
<b>13.05.2004</b>
- max prim count changing during .sve-file load prevented
- reaction to “TST: Error configuring driver” implemented

<b>14.05.2004</b>	<b>PCO_2.10.3</b>
<ul style="list-style-type: none"> <li>- CCD/PCON decoding can be switched on/off individually in detail tree of viewer</li> <li>- TCGen can now be started directly from Standard Viewer, too</li> </ul>	
<b>19.05.2004</b>	<b>PCO_2.10.4</b>
<ul style="list-style-type: none"> <li>- internal problem while cleaning solved</li> <li>- server: session/logfile path is only stored in ini-file if requested by controller</li> <li>- corrupt data handling improved</li> <li>- pco_intro slides improved</li> </ul>	
<b>24.05.2004</b>	<b>PCO_2.10.5</b>
<ul style="list-style-type: none"> <li>- internal problem with viewer-entry-buffer overflow solved</li> <li>- export via menu will effect all entries, export via context menu only the selected ones</li> <li>- full path can be specified as session-name in controller</li> <li>- special system command will be sent for L1</li> </ul>	
<b>26.05.2004</b>	
<ul style="list-style-type: none"> <li>- timeout for forwarding data to viewers reduced in server</li> <li>- server will send info trace to viewer if data was dropped</li> </ul>	
<b>27.05.2004</b>	
<ul style="list-style-type: none"> <li>- client handling in server more secure</li> </ul>	
<b>28.05.2004</b>	
<ul style="list-style-type: none"> <li>- ISSUE PCO-FIX-19361 solved</li> </ul>	
<b>04.06.2004</b>	
<ul style="list-style-type: none"> <li>- internal error during hexdump-string creation fixed</li> </ul>	
<b>07.06.2004</b>	
<ul style="list-style-type: none"> <li>- controller: reload cccdata-info can now load entity list for matrix from cccdata-DLL</li> <li>- controller: session path button will work right from beginning now</li> </ul>	
<b>09.06.2004</b>	<b>PCO_2.10.6</b>
<ul style="list-style-type: none"> <li>- unnecessary refreshes of detail tree removed</li> <li>- pco_tracing4tcgen.ppt updated</li> <li>- viewer: hexdump insertion supports numbers as entity-catalogue</li> </ul>	
<b>14.06.2004</b>	
<ul style="list-style-type: none"> <li>- hexdump interpretation now fully supports dumps without blanks</li> </ul>	
<b>15.06.2004</b>	
<ul style="list-style-type: none"> <li>- case of entity names is now irrelevant</li> </ul>	

<b>18.06.2004</b>	
- signed decimal values supported by standard viewer	
- param observer groups now divided by thicker lines	
<b>21.06.2004</b>	
- tool tips updated/added to all dialogs	
- hexdump-interpretation in .sve-files re-enabled	
<b>24.06.2004</b>	
- test scripts added	
- “-open” option of standard viewer more intelligent now	
<b>28.06.2004</b>	
- trace classes “SDU” and “PROFILER” added to controller matrix	
- param observer dialog improved	
- support of special Trace-OPCs	
<b>30.06.2004</b>	
- str2ind version is now stored in .pco-logfile header	
<b>05.07.2004</b>	<b>PCO_2.11.0</b>
- support of trace class info	
- support of ethereal tool (standard viewer and pco_dump)	
<b>12.07.2004</b>	
- use USB-Tracemultiplexer as default Tracemultiplexer	
<b>13.07.2004</b>	
- save pco-logfile from viewer will create new syst_prims as needed	
<b>29.07.2004</b>	
- on_data() receives now index and time type	
- prim-name, sender and receiver now statically allocated in viewer to avoid too much	
- viewer ready for “not transmitted” elements (Pointer trace filter)	
<b>02.08.2004</b>	<b>PCO_2.11.1</b>
- viewer: speed of sorting increased	
- minor bug in data-req-dialog of viewer solved	
- viewer: removing entries can be stopped	
- PCO webpage access via help-menu	
- clients semaphore recreation in case of server crash	
- web-check for newer version	
- server fix during stop logging	

<b>04.08.2004</b>	
- viewer: delay-bug when loading logfile fixed	
- filter will be applied also during load of sve-files	
<b>05.08.2004</b>	<b>PCO_2.11.2</b>
- controller: first version with filter tree	
- export-try to sve-format will show up yes/no message box concerning .pco-format	
<b>09.08.2004</b>	
- PCO-FIX-23296 solved	
<b>10.08.2004</b>	<b>PCO_2.11.3</b>
- controller: filter tree GUI functional (but disabled in this version)	
- demoviewer sources fixed (for deriving individual viewers)	
- userguide updated (concerning deriving individual viewers)	
- userguide delivered as pdf	
<b>11.08.2004</b>	
- viewer: hexdump of array elements can optionally be shown as string	
- controller: filter tree enhanced by unions	
<b>12.08.2004</b>	
- ccd-decode error handling improved	
<b>13.08.2004</b>	
- controller: Filemode-configuration improved	
- viewer: time type set explicitly during sve-load	
<b>16.08.2004</b>	
- viewer: filter dialog supports apply/restore -> ISSUE: PCO-ENH-13853	
- first version of screensaver	
<b>17.08.2004</b>	
- reapply-Filter will reload last logfile if applicable	
- general Xml_handler class introduced	
- viewer: filter storing implemented	
- controller: greying out of unavailable primitive duplications can be disabled	
<b>18.08.2004</b>	
- viewer: storing of all settings to xml file implemented -> issue: PCO-ENH-20788	
- -impcfg parameter introduced	
- userguide update	

<b>19.08.2004</b>
- viewer: deleting of entries fixed
- controller: PCON filter string generation out of filter-tree
<b>20.08.2004</b>
- pco_react start
- adaptation to new pcon filter functions
- IP-Packet output improved
<b>23.08.2004</b>
- viewer: open/reload logfile supports now dbg and sve, too
- first working version of pco_react
- doc2pdf in makefile
<b>25.08.2004</b>
- controller: rename last session dialog improved
- controller: new xml-config-file concept
<b>27.08.2004</b>
- replay.svc as default
<b>31.08.2004</b>
- viewer: no more decode check for array elements
- viewer: disable manual str2ind-loading in release version
- controller: communication-dialog supports P2 via USB-TraceMuxer
<b>01.09.2004</b>
- viewer: no more path-change if loading/storing configuration
- controller: storing of prim-elem-filter implemented
- .pco-logfiles contain now compressed ccddata-DLL and compressed str2ind-table ->
<b>02.09.2004</b>
<b>PCO_2.12.0</b>
- viewer: submenu for opening recent logfiles introduced
- viewer: trace class filter introduced
- viewer: opc filter improved -> issue: PCO-ENH-13837
- viewer: air message filter introduced
<b>13.10.2004</b>
- start working with TheKeep
- swa00002848: PCO-Viewer should show again the last recent configurations in menu
- swa00002823: PCO should pass only traces to the cond_decoder
- swa00002767: Default tracemultiplexer ini-file should contain more COM-ports

- swa00002776: Parameter observation "between the lines"	
<b>13.10.2004</b>	
- viewer: element name is shown for expanded decoded message name	
- viewer: aim-entity id is shown both as numeric value and as name	
- viewer: l_buf/o_buf for non-decodable sdu's taken from pdi-info if available	
- viewer: copy to clipboard now matches detail tree	
- viewer: air message id detection improved	
- swa00002877: The shown value of an expanded primitive containing an sdu is wrong or	
- swa00002872: when using "copy selected entries" on big primitives only the first part of the primitive gets copied	
<b>25.10.2004</b>	
- swa00002797: PCO should store traces str2ind-compressed in .pco-logfiles	
<b>26.10.2004</b>	
- swa00002779: PCO filter trees should take SAP names from ccddata and show only	
<b>27.10.2004</b>	
- swa00024728: PCO should handle AIMs with MsgID-Length smaller than 8bit correctly	
<b>28.10.2004</b>	
- swa00024772: PCO sometimes disables "Show primitives" in viewer	
<b>01.11.2004</b>	
- swa00002873: the find dialog should have history on Element-Name, Element-Value	
<b>02.11.2004</b>	
- swa00002873: the find dialog should have history on Element-Name, Element-Value	
- swa00024863: PCO should extract ccddata-DLL/str2ind-table to temp-dir if .pco-logfile	
- swa00004012: the dialog File>open log file>... should remember the directory when several files are opened successively	
- swa00024887: Version of PCO2 without copying is perhaps needed.	
<b>03.11.2004</b>	
- swa00003108: End of support for OLD-HEADER should be visible in TST and PCO	
- swa00024906: PCO should store window positions independent of evtl. extra taskbars	
<b>09.11.2004</b>	<b>C_PCO_2.13.0_IF_GPF_1.18.5</b>
- swa00024897: A trace filter on dedicated primitive elements based on PCON is needed	
<b>24.11.2004</b>	<b>C_PCO_2.13.1_IF_GPF_1.18.6</b>
- swa00025485: PCO controller should handle access to ccddata_eg_sapnames()	
<b>22.11.2004</b>	
- swa00025356: pco_view to detect bad ini-file	

<b>06.12.2004</b>	
- swa00025407: The start/close/restart of CMS/FRAME depending applications should be	
<b>13.12.2004</b>	
- swa00025156: The tcl84.dll used by xPanel interferes with evtl. installed cygwin tcl-dlls	
- swa00025339: All GPF components should support mall.bat-parameters "-test" and "-"	
- swa00025695: PCO should check all bytes of a structure for zero's in the shadow	
- swa00025808: preparation of all mall.bat and makefile for automatic testsystem	
<b>25.01.2005</b>	<b>C_PCO_2.13.2_IF_GPF_1.18.8</b>
- swa00025138: Merge of gpf\bin\ directory needed for pco_init.bat and runtcbat	
<b>16.02.2005</b>	<b>C_PCO_2.13.3_IF_GPF_1.18.10</b>
- swa00025149: Traceclass setting in PCO ctrl.	
- swa00002813: The PCO communication dialog should be improved concerning	
- support for guiless chimera added	
<b>22.02.2005</b>	<b>C_PCO_2.13.4_IF_GPF_1.18.10</b>
- swa00027827: PCO : Changing L1 Trace Mask with the last missing character get	
<b>04.04.2005</b>	<b>C_PCO_2.13.5_IF_GPF_1.19.10</b>
- swa00028553: PCO: only limited input length in the FIND dialog	
- swa00027416: PCO should be able to run w/o changing the registry, e.g., on USB -	
<b>05.04.2005</b>	<b>C_PCO_2.13.6_IF_GPF_1.19.10</b>
- swa00032800: Autosend functionality in PCO-Controller does not work anymore	