



**IBM® Sterling Connect:Express®
for UNIX**

List of Fixes

Version 1.5.0.13

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IBM® Sterling Connect:Express® for UNIX

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List of Fixes Provided from Initial Version 1.5.0

Version 1.5.0.13

The fix pack 1.5.0.13 of **IBM Sterling Connect:Express** provides the new following features :

- the installer has been improved; it is now possible to silently install or upgrade the product (option -s) and to specify an absolute or relative installation directory on the command line (option -d); during an interactive installation the responses are preselected; during a first installation, sample definitions are installed which enable to validate the installation by performing simple request transfers;
- the management of the edition used has been improved to be compatible with the last releases of **IBM License Metric Tool (ILMT)**; during a first installation or an update it is asked which edition is going to be used (*Premium, Standard, Premium for Non-Production Environment* ou *Standard for Non-Production Environment*); the command `changeEdition` can be used to change the current edition at any time;
- the rotation and compression of the LOG file are now possible; the configuration of the number of previous log files to keep and the file compressor is done through the `sysin` file;
- the percentage of transferred bytes is now displayed in the `MONITOR STATUS` screen of `stern` as well as in the output of the command `plb8pren`;
- the new command `compact_base` can be used to manually compact the **Connect:Express** database files;
- **OpenSSL** is now dynamically linked with **Connect:Express**; users can decide to either use the libraries delivered with the product (this is the default) or use the libraries installed with the operating system; this will facilitate the update of **OpenSSL** libraries in case of a security alert;
- when Connect:Express opens an inbound or outbound secured connection the SSL protocol version is displayed in the LOG file;
- the `tom_httpn` command is now sending errors to the standard error stream instead of the file `RDIND.txt`; it is the responsibility of the user to redirect the error stream in a file if the user does not want this error messages to be printed on the screen;
- to help support teams with problem determination the command `CX_Data_Collector` has been made available; it enables to collect informations about a **Connect:Express** instance and to automatically send this data to IBM ECuREP site;
- all the binaries for the Linux operating system are now compiled in 64 bits; this removes the 2 gigabytes file limit size for trace files.

The fix pack 1.5.0.13 also fixes the following defects:

- **APAR IT08263 – PMR 18767,664,706 - RTC 461741**
A regression in version 1.5.0.12 caused a garbaged password to be sent when the DPCPSW was empty.
tom_mon updated.
- **APAR IT09646 – PMR 11502,661,706 - RTC 463201**
A memory leak was the root cause of an unexpected stop of `tom_api` during statistics collection.
tom_api updated.

- **APAR IT09819 – PMR 66469,082,000 – RTC 468571**
In certain conditions `tom_apm` server stopped while handling Nessus scanner connections.
tom_apm updated.
- **APAR IT10469 – PMR 82626,082,000 – RTC 473020**
When the Connect:Express database has been corrupted, its automatic rebuild when the monitor starts has been improved.
tom_mon updated.
- **APAR IT11204 – PMR 19406,664,706 – RTC 470866**
The NRC field in notifications could have a value different of zero in case of successful transfer.
tom_mon updated.
- **RTC 463086**
A regression in version 1.5.0.12 caused syntax errors in the `sysin` file when tab characters were present between TCPORT, FTPORT or APPORT parameters and their value.
tom_mon updated.
- **RTC 466415**
An old regression prevented the correct execution of the `build_tbl` command.
build_tbl updated.
- **RTC 464761**
A regression in version 1.5.0.12 caused the display of a @ instead of a 9 character in the transfer identifier value returned by `tom_api`.
tom_api updated.
- **APAR IT11448 – PMR 12863,661,706 – RTC 477271**
It is now checked in the `cxnotif` command that `HTTPNF` parameter in the `sysin` file is not set to 1. Using `cxnotif` and the HTTPN notifications at the same time can corrupt the notification files. The source code has also be improved to prevent potential bugs.
tom_mon and cxnotif updated.
- **APAR IT12181 – PMR 12860,661,706 – RTC 480064**
In some cases with a deficient server, connection requests could stay in a state that left the transfer requests in the C state. A timeout is now forcing connections to be closed close if they do not complete in a 60 seconds delay.
tom_apm updated.
- **APAR IT12432 – PMR 34249,660,706 – RTC 479082**
This APAR completes APAR IT05776 which did not address the problem of the pollution of the LOG file by load balancers connections to the secured `tom_apm` servers.
tom_apm updated.
- **APAR IT12503 – PMR 19613,664,706 - RTC476479**
The socket close phase is now subordinated to a timeout. Closing of a blocked socket will be forced in order to let the waiting requests to be processed.
tom_apm updated.
- **APAR 13780- PMR 65323,664,706 - RTC 489482**

The memory violation at the start of the `tom_apm` process when the trace is enabled in the `sysin` file has been fixed.

tom_apm updated

- **RTC 492758**

In the French screens `PRESENTION` and `PARAMETRES_DE_SESSIONS_SSL` of `tom_opr`, the value of O/N fields stay at 0 when they are edited.

tom_opr updated

- **RTC 495058**

Import of `CTRLDN` definition with `tom_prm` when mode is set to `REPLACE` is now working.

End of **Connect:Express** support for the following Operating System versions :

Operating System	Dropped Version	Supported Versions
SUN Solaris	5.9	5.10 et supérieures
IBM AIX	5.3	6.1 et supérieures

02/13/2014: **APAR IC99172 – RTC 411153**

Additional variables have been added in the statistics for event 11 (NodeError).

tom_mon updated

02/28/14: **APAR IC99710 - RTC 410300**

The API server is managing inbound connections in a more robust way. The server does not terminate when network error occurs during accept nor during memory contention.

tom_api updated

03/09/14: Extension of the length of the physical name to 128 characters.

03/14/2014: **APAR IT00262 - RTC 415244**

Pi22 set to 01 (reception)

tom_mon, and tom_apm updated

03/14/2014: **RFE 413163 (DW 45498)**

Transfer identification displayed both decimal and hexadecimal format.

tom_opr updated

03/14/2014: Origin and destination fields received in pi3 and pi4 respectively are 24 characters long, made of 8 characters segments: take the first non blank..

tom_apm updated

03/18/2014: PPDFLT (default presentation table) and PPFIRST (First presentation table) added in the sysin file.

tom_mon updated

03/18/2014: Presentation table no longer required in the file definition.

tom_opr and tom_prm updated

03/18/2014: The presentation table can be specified in the sysin, in the partner definition or in the file definition.

The PPFIRST parameter indicates in which order the information is processed:

- 'PPFIRST=P' indicates that the order is Partner/File/Sysin (Partner has priority);
- 'PPFIRST=F' indicates that the order is File/Partner/Sysin (File has priority).

If the table is specified in neither the partner or the file definition, the sysin value is used.

As no field is required, if none is provided, all presentation parameters are set to null: no compression, no multi-record, no transcoding.

tom_mon updated

03/20/2014: **APAR IT00449 – RTC 415782**

The statistics purge process is performed, by default, at 00:30:00 am, or based on the environment variable \$PURGE_STATS_TIME. The automatic daily process has been reviewed, and it is no longer required to stop-start the monitor for this purge to occur.

tom_mon updated

03/26/2014: **APAR IT00623 – RTC 417688**

tom_prm DATABASE MODE=(CREATE|DELETE) is working again.

tom_prm updated

03/27/2014: **APAR IT00644 – RTC 417472**

The SSL return code (SSLRC) variable has been added into the statistics records of some events.

tom_mon updated

04/02/2014: **APAR IT00717 - RTC 418477**

It is now possible to start the tom_api server when the environment variable TOM_QUEUE is used.

The 64 bits version of tom_api for AIX is now starting when an IP address is specified for listening the incoming connections.

tom_api updated

04/28/2014: **APAR IT01356 - RTC 421338**

In transfer errors when the parameter /UDF is used with the p1b8preq command, the value of the field UserDataSent (USDS) is correctly initialized in the statistics.

tom_mon updated

04/28/2014: **APAR IT01343 - RTC 421503**

Due to a regression introduced with the interim fix 150.11.01, on AIX platform, some variables were missing during extraction of files and partners with the tom_prm command.

tom_prm updated

08/21/2014: **APAR IT03910 - RTC 437903**

The function to update the file used to manage the synchronization has been improved. On very rare occasions it could cause tom_apm to crash.

tom_apm updated

09/06/2014: **APAR IT04176 - RTC 434183**

The serial number in the request number (QQQNNNNN) as well as the transfer identifier are now in hexadecimal format. The potential number of transfer requests can now be more than 16 millions per day.

tom_mon updated

09/30/2014: **APAR IT04176 - RTC 434183**

The transfer ID (pi13) is now independent of the request number and evolves from 1 to 0xFFFFFFFF.

tom_mon updated

10/01/2014: **APAR IT04619 – RTC 442120**

The notification service is now able to send a notification when the sent or received physical file is more than 2GB in size.

tom_http updated

11/17/2014: **APAR IT05622 – RTC 448569**

Dynamic activation of the trace (ch_conf command) when the trace was initially deactivated does not raise crash during transfers anymore.

tom_apm updated

11/26/2014: **APAR IT05776 – RTC 449366**

The reply to load balancers connection requests has been improved. It is now possible for a load balancer to test the activity of tom_apm (secured and non secured) and tom_fp server processes without displaying polluting messages in the LOG file.

tom_apm and tom_ftp updated

11/27/2014: **APAR IT05814 – RTC 449857**

The request number field in the monitor status screen of sterm can be entered in hexadecimal.
tom_opr

12/06/2014: **RTC 450315**

Article length up to 65529 are now supported and do not crash tom_apm anymore.
tom_apm, tom_opr, tom_prm, p1b8preq and p1b8pe2e updated

01/19/2015: **APAR IT06825 - RTC 453277**

If Origin and/or Destination are not specified in a transfer request then PI3 and PI4 will not be sent in CREATE or SELECT and ACK SELECT FPDUs.
tom_apm updated

02/20/2015: **APAR IT07287 – RTC 454049**

Character EOF (0x14 in hexadecimal) at the end of a text file is now correctly processed for WF and WV file types.
tom_mon updated

02/24/2015: **APAR IT07281 – RTC 456965**

Input characters in the 'PHYSICAL NAME' field of tom_pr (sterm) application is not mandatory anymore.
tom_opr updated

03/27/2015: **APAR IT07692 – RTC 456382**

In some cases (loop mode) and when synchronization was enabled transferred files could be corrupted.
tom_apm updated

03/27/2015: **RTC 460605**

To limit the number of running instances of tom_apm after a first installation of CX, the sysin parameter STRFRN is fixed to 10.
sysin updated

10/22/2013: **APAR IC96964 - RTC 397101**, tom_apm and tom_ftp servers better handle errors during connection requests
tom_mon, tom_ftp and tom_apm updated

01/16/2014: **APAR IC98687 - RTC 406566**, when an instance of tom_apm is re-used to transfer a file with a partner defined with type 'T' the PI99 field was not re-initialized correctly **tom_apm updated**

01/23/2014: **RTC 406254**, the STONER parameter has been added to the SYSIN file; when set to 1 Connect:Express is forced to stop if one of its child servers (TCPIP, FTP, SSL or API) dies unexpectedly; this can be used to prevent to use CX if it is mis-configured;
tom_mon, tom_ftp and tom_apm and tom_api updated

01/27/2014: **RTC 408087**, Upgrade OpenSSL including security fixes.

01/31/2014: **RFE 398702 (DW 39699) - RTC 408363**

Enhanced CFT compatibility:

- environment variables added '*partner*'_IMSG and '*partner*'_OMSG, to enable specific functionalities;
- existing variables still exist as defaults: CNX_MSG applies to the monitor, '*partner*'_MSG applies to '*partner*', in requestor and server modes. '*partner*'_OMSG applies to requestor mode, '*partner*'_IMSG applies to server mode. Specifying '*partner*'_IMSG=&PI99 , means that Connect:Express must send back the PI99 received;
- when a CFT profile is used, compression is disabled, because CFT implements proprietary algorithms.

01/31/2014: **RFE 407855 (DW 43372) - RTC 408840**

User exits and user commands processing is displayed in log messages .

01/31/2014: Added ANY option in the partner definition, replaces environment variable '*partner*'_PRF. This option enables communications with a CFT configured with a proprietary profile.

The environment variable CNX_PRF, that applies to the monitor, has priority. If it is active, all partners have profile ANY, whatever their own definition.

The environment variable '*partner*'_PRF is no longer required, but it is considered if the ANY option is 'N' in the partner definition.

01/31/2014: Added INQUIRY option in the file definition. This option indicates if a remote partner can read the file although no hold transmission request has been prepared.

01/31/2014: tom_api trace fixed: the name of the Client session trace was constant, equal to "C".

Version 1.5.0.10

08/28/2013: **APAR IC94887 - RTC 392407**, improving installation script install.sh
install.sh updated

06/09/2013: **APAR IC94592 – RTC 386170**, Windows text format (fixed and variable) added to file definition
tom_apm, tom_opr, sterm et cxcmd updated

09/18/2013: **APAR IC96043 - RTC 397101**, tom_apm server better handles repeated test connections without data sent like load balancers do; these connections are managed without error messages written in the LOG file
tom_apm updated

09/23/13: **APAR IC96145 – RTC 396664**, substitution of different values of Pi37 in consecutive transfers in a same session is now correct
tom_apm updated

09/23/2013: **RTC 382879**, the execution of Connect:Express with a user name which is more than 8 characters in length prevents some fields to be correctly updated with sterm et tom_prm
tom_apm, tom_ftp, tom_mon, tom_opr, tom_prm et itom utilities updated

10/22/2013: **APAR IC96964 - RTC 397101**, tom_apm and tom_ftp servers better handle errors during connection requests
tom_mon, tom_ftp and tom_apm updated

Version 1.5.0.9

04/23/2013: **RTC 373780**, the record length passed with the p1p8preq command is sometimes misused.
p1p8preq updated.

04/24/2013: **RTC 371607**, requests stay in 'J' state and number of retries is reset to zero
tom_mon updated.

06/07/2013: **RTC 380504**, tom_prm accepts mandatory parameter with no value
tom_prm updated

06/14/2013: **RTC 381587**, fixes a tom_prm import problem
tom_prm updated

07/04/2013: **RTC 384163**, fixes a problem of translation not done when sequential file transfers were done in a same instance of tom_apm
tom_apm updated

Version 1.5.0.8

01/29/2013: **RTC 363036**, start and stop of the tom_apm processes (TCPIP and SSL) are now logged in the LOG file

tom_apm and tom_mon updated.

02/14/2013: **RTC 365460**, an additional option enables to extend the supported character set to all printable characters for tom_opr, tom_prm and the itom utilities; by default, the supported characters set remains unchanged

tom_mon, tom_opr, tom_prm, p1b8pfil_d , p1b8pfil_dfl , p1b8pfil_s , p1b8ppar_d, p1b8ppar_s , p1b8ppur and p1b8preq updated.

03/07/2013: **RTC 366030**, crash of tom_apm and tom_mon during transfers if the session used defines a size of 0 for the message length

tom_apm updated.

03/05/2013: Upgrade OpenSSL including security fixes.

Version 1.5.0.7

10/15/2012: **RTC 352448**, the TCPIP HEADER field of the SSLPARM structure is now exported/imported with the tom_prm command

tom_prm updated.

29/10/2012: connection acceptance of an inbound partner with Connect:Express Unix is now done regarding the name specified in the PeSIT pre-logon string excepted if:

- the name is not specified or is empty;
- the name is different than the value of the Pi3 field of the PeSIT CONNECT, in which case the Pi3 value is used

tom_apm updated.

11/06/2012: **RTC 351239**, control characters are not shown anymore in statistics display

tom_api updated.

11/19/2012: **RTC 355832**, the environment variable TOM_API_TCP_TIMEOUT is now accepted to change the connection time out to the tom_api process; the default time out is now 60 seconds

tom_api updated.

12/28/2012: **RTC 361032**, when the last character of the XFERID field is a '9' it is not transformed in a '@'

tom_mon updated.

01/07/2013: **RTC 362214**, SHA256 is now supported for hashing integrity control messages in SSL

tom_apm updated.

Version 1.5.0.6

09/10/2012: **RTC 320826** (duplicated: 346287, related: 320813), PMR 42327.660.706, tom_mon crashes.

Modification: strf/security.c, /strf/sndfpdu.c, /tom_ftp/tom_ftp.c, /commun/r_fonc.c, /itom/l0b8z20.c, /itom/r_msgq.c, /include/strf/declc.h, /include/strf/recfpdu2.h, /include/strf/decl.h, /include/api/proto.h, /include/ftp/ftp.fonctions.h, /include/ftp/ftp.decl.h, /include/ftp/ftp.const.h,

/gtrf/r_differ.c, /gtrf/oto1.c, /gtrf/r_cont.c, /gtrf/r_log.c, /gtrf/oto0.c, /gtrf/r_msgq.c,
/tom_mon/tom_mon.c, /stern/r_msgq.c, /tom_api/tom_api.c and /tom_apm/tom_apm.c
tom_apm, tom_ftp and tom_mon updated.

06/18/2012: **RTC 327845**, PMR 40639.660.706, requests from a client to a server generates RENC read error.

Modification: gtrf/oto1.c

tom_mon updated.

09/13/2012: **RTC 348956**, when the number fo message queues reaches the maximum defined by the kernel parameter kernel.msgmni, any new tom_apm process crashes with a SIGSEGV.

Modification: comun/r_fonc.c

tom_apm updated.

09/13/2012: **RTC 348972**, PRC code 8000 (syslog message STRF Process Abnormally Ended) is never sent to tom_mon when tom_apm crashes.

Modification: tom_apm.c

tom_apm updated.

09/13/2012: **RTC 348977**, in case of segment violation, tom_mon can kill all user processes instead of killing only those it launched.

Modification: oto0.c and oto1.c

tom_mon updated.

09/13/2012: **RTC 348986**: like tom_mon, tom_apm and tom_ftp now generate a core dump in case of a segment violation or abort signal.

Modification: tom_apm.c and [ftp.fonctions.c](#)

tom_apm and tom_ftp updated.

10/05/2012: **RTC 352448**, tom_prm doesn't export/import the value of the TCPIP Header field of the SSLPARM structure.

Modification: tom_prm.c

tom_prm updated.

Version 1.5.0.5

03/07/2012: **RTC 334958**, PMR 32527,661,706, APAR IC85060 - File is removed when an error occurs after end of transfer.

Modification: tom_apm.c

tom_apm updated.

26/07/2012: **RTC 342397**, PMR 41964,660,706, APAR IC85544 - Incoming calls fail with signal 11 (trace enabled).

Modification: include/strf/recfpdu2.h

tom_apm updated.

26/07/2012: **RTC 339320**, PMR 46114,660,706, APAR IC85552 - request failed with PRC 203 after received request with PRC 200

Modification: tom_apm.c

tom_apm updated.

Version 1.5.0.4

27/04/2012: When the monitor catches a signal (SIGSEGV for ex.), tom_mon activates the trace if it is not enabled. Also, if it exists and can be executed, tom_mon invokes the command \$TOM_DIR/exit/UEXSUG before the monitor dies.

Change tom_mon/tom_mon.c

tom_mon and UEXSIG updated.

02/05/2012: **RTC 319820**: Corruption of the value of parameters NOTBEFORE, NOTAFTER, VERSION, DH_PARAM, CA_LIST, SERIAL_NO, ISSUER_DN, SUBJECT_DN, CLIENT_SUBJECT, CLIENT_ISSUER, SERVER_SUBJECT and SERVER_ISSUER when exported with the tom_prm command.

Modification: tom_prm.c

22/05/2012: **RTC 319850**, PMR 26954,300,624, APAR IC83583 . Transfer failed ERROR DURING SELECTION TRC=4991.

Modification: tom_apm.c

22/05/2012: **RTC 327845**, PMR 40639,660,706, APAR IC83612 . Transfer inquiry rejected TRC=2152 PRC=2205.

Modification: tom_apm.c, tom_mon.c,oto01.c

tom_mon and tom_apm updated.

22/05/2012: **RTC 328860**, PMR 40723,660,706, APAR IC83581 . File, fix record, with no LF at end of file, TRC=5010.

Modification: r_file.include.h

tom_apm updated.

Version 1.5.0.3

15/02/2012: **case 124615** and **case 124624**: Garbage in RTAB file.

Change gtrf/oto0.c

tom_mon updated.

21/02/2012: **defects 130160 and 145300**: Segmentation of long run purges.

Change itom/l0b8z20.c, include/gtrf/const.h, include/gtrf/proto.h, gtrf/r_oper.c, gtrf/r_msgq.c, tom_mon/tom_mon.c, sterm/r_purge.c and docs/doc/CXUX15_UserGuide

28/02/2012: **RTC 313123**: tom_apm doesn't start.

Change gtrf/r_fonc.,c gtrf/oto0.c and tom_mon/tom_mon.c

tom_mon updated.

28/02/2012: New parameters MAXSES et MAXFTP in the SYSIN file.

Change include/gtrf/const.h, include/gtrf/decl.h, gtrf/decl.c, gtrf/r_log.c, gtrf/oto0.c, tom_mon/tom_mon.c and doc/CXUX15_UserGuide

28/02/2012: **RTCs 303798 and 124624**: Fix of tom_api which stopped suddently and randomly.

Change: include/api/proto.h, tom_api/tom_api.c and tom_api/tools.c

08/03/2012: **RTC 315340**: Improvement with the use of the SYSTCP file. TCPBYPASS can be put wherever and alternate TCP/IP addresses are correctly used

Version 1.5.0.2

13/09/2011: fields initialized to fix propagation code trc=2010 from message to file in the same session.

Change tom_mon.c, tom_apm.c and oto0.c.

tom_mon and tom_apm updated.

28/10/2011: Pi99 field initialized to fix propagation when chaining transfer in the same session.

Change tom_apm.c.

tom_apm updated.

08/11/2011: Environment variables added, 'partner'_PRF and 'partner'_MSG, to support, for one partner, profile ANY and connection pi99.

Change tom_apm.c, recfpdu2.h.c and sndfpduc.c.

tom_apm updated.

29/11/2011: **case 363990** tom_apm doesn't stop, waiting for end of session

Change tom_apm.c.

Tom_apm updated.

06/12/2011: **case 371026**: trc=2011 request rejected when SFN= is omitted

Change tom_mon.c and gtrf/oto1.c.

Tom_mon updated.

06/12/2011: **case 373411**: p1b8ppur /qqq= fails trc=2042 (Linux)

Change p1b8ppur.c.

p1b8ppur updated.

19/12/2011: **case 371063**: Connection fails trc=1000: end of transfer command is launched

Change tom_apm.c.

Tom_apm updated.

Version 1.5.0.1

07/03/2011: **case 281210**: Fix: return code trc=1962 in place of trc=2054 when C:X rejects an inquiry request.

Change in sndfpduc.c (tom/strf).

tom_apm updated.

22/04/2011: **case 288576**: increase I0b8z20 timer from 15 to 30 seconds.

Change I0b8z20 (tom/itom).

Itom updated.

22/04/2011: **case 289802**: send return code PRC=2205 linked to TRC=2054, when an inquiry request is rejected.

Change in oto1.c (tom/gtrf).

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tom_mon updated.

22/04/2011: default partner definition made available (\$\$PART\$\$), and disable password control through keyword \$\$NONE\$\$
Change in oto1.c, oto0.c, tom_mon.c (tom/gtrf).

tom_mon updated.

22/04/2011: Caller's password added to the list of fields of the http notification.
Change in rfonc.c (tom/gtrf).

tom_mon updated.

22/04/2011: **case 282627**: support of characters «-« and «_» in symbolic names
Change in r_screen.c (tom/sterm).

tom_opr updated.

22/04/2011: Default file process.

The partner default file process is extended to PeSIT, and \$\$FILE\$\$ profile is added. When receiving a request for a file that is unknown, the transfer is processed using the partners default file (if one is declared), or the \$\$FILE\$\$ profile is used, if defined in the directory. For the FTP protocol the sysin default file has priority on the \$\$FILE\$\$ profile. All default files must be defined in the directory. If no default profile is found, the file transfer is rejected.

Change in oto1.c, tom_mon.c (tom/gtrf), tom_apm (tom/strf) make_msg.c (tom/sterm).

tom_mon, tom_apm updated.

22/04/2011: If the monitor is stopped (stop or kill), current transfers are interrupted.

Change in tom_mon.c (tom/gtrf), tom_apm (tom/strf).

tom_mon, tom_apm updated.

22/04/2011: Notification option 0 in the transfer request parameters disables the file option.

Change in oto1.c (tom/gtrf).

tom_mon updated.

05/05/2011: transfer interrupted with multi-article option set, fixed.

Change in tom_apm.c (tom/strf).

tom_apm updated.

25/05/2011: **case 309087**: signal 11 with CFT partner, PeSIT-E, INCOMING REJECTED UNKNOWN, fixed.

Change in recfpdu2.h (tom/strf).

tom_apm updated.

27/05/2011: **case 309087**: SYSTCP et SYSX25 disabled, fixed.

SYSTCP and SYSX25 updated.

15/08/2011: lookup long names and passwords in FTP server mode.

Change tom_ftp.c and included modules (tom/strf and /include).

tom_ftp updated.

15/08/2011: <skipnfile> option added in httpnotcfg.xml: skip notification if the physical file is not found. <PhysicalStatus> field added in the http notification

Change tom_httpn.c, specif.c and toolx.c.

tom_httpn updated.