STRT Version History

(*Note: A PSR "Programming Services Request" is a document we use to define and track our work at DPS.*)

Changes for STRT Version 3.12 (Release Date: 06/16/11

For PSR 8081 UCT Process Change.

This is to fix an error that was found when processing a UCT file. If you did not get a "RECORD NOT FOUND" error in STRT20 you did not encounter the bug and your file was processed correctly.

Changes for STRT Version 3.11 (Release Date: 05/23/11

For PSR 7904 UCT Process Change.

When, in a UCT input file, two or more records come through with the same country code, bar-code and issue keep the record with the latest on-sale date.

For PSR 7904 WinBatch Upgrade.

All WinBatch programs in the STRT package were recompiled with an upgraded WinBatch Compiler.

Changes for STRT Version 3.10 (Release Date: 12/13/10

For PSR 7426 EAM re-send rejects.

If STRT is run from more than one PC the EAM reject file could be on the wrong PC when EAM records are sent. This could cause the rejects to not be resent. With this release of STRT the IPDA EMS server will capture the EAM confirmation file instead of passing it through to the user. Then when STRT senses that an EAM file is being sent it will get the saved confirmation file on the IPDA EMS server to compare the new file to.

There was a bug when more than one UCT file was sent at the same time instead of sending on only the latest UCT file the files were getting merged and only a few records would be sent. This bug is fixed.

For PSR 7395 Fix Restart Problem.

If STRT is interrupted at the wrong place, it restarts at STRT28 the EAM confirmation program. This should not have happen because there was no EAM confirmation file to process. I changed how STRT023 keeps track of where it is processing.

Changes for STRT Version 3.09 (Release Date: 09/10/10

For PSR 7122 Fix Problem EAM Incremental Send not including all rejects.

When a BIPAD is sent to the IPDA.org system for authorization and is returned as rejected. STRT should re-send that BIPAD the next time the EAM records are sent. Some times the files get out of sync and the BIPAD is not resent. That should be taken care of when a confirmation file is received and it does not match the last file sent. A flag is set indicating a full EAM file

should be sent. The flag was not being set correctly. The file that keeps the flag to request a full EAM download has a key made up of the GLN and Authorization Group Number. One or the other must be zero. A GLN is preferred for the key but if there is no GLN for that retailer the Authorization Group Number can be used. If it found both numbers STRT17 tried to use both to look up the flag record instead of just the GLN. That was fixed. Also fixed was STRT21. In that program you could not enter a zero GLN. STRT17B and STRT17G had the same bug as STRT17 and were fixed also.

Changes for STRT Version 3.08 (Release Date: 05/10/10

For PSR 6318 Generic File Send Changes for STRT

STRT version 3.08 has the ability to send any kind of file to another IPDA EMS user. The first time this version of STRT023 is run two new folders will be created under STRT, GEMS2STRT and GSTRT2EMS. To send a generic file put it in the GSTRT2EMS folder. It must have a file name of ffffttttccccFrest-of-name where:

ffff is your IPDA Mailbox ID.
tttt is the IPDA Mailbox ID of who you are sending the file to.
cccc is either a registered or non-registered code. (See Below)
F is either R meaning the code is registered or X meaning the code is not registered.
Rest-of-name is anything else you want. (blanks will be changed to underlines)

Once the file is in the GSTRT2EMS folder, run either "Send and Receive STRT023" or "Generic Send Only STRT023". The file will be sent to the IPDA EMS server which will save it for the recipient and send them an e-mail that they have a Generic File to receive. Your confirmation e-mail will include entries indicating that the Generic File got to the IPDA EMS server and whether or not there are any problems with it. If you get an e-mail that someone has sent you a Generic File, user "Send and Receive STRT023" or "Generic Receive Only STRT023" to retrieve the file. If successful you will find it in the GEMS2STRT folder.

A registered code is a code that you and your trading partner have come up with to mean something about the data being sent and you ask IPDA to register it. If you send a file with the R flag set the IPDA EMS server will check the code against the registered code database and if it is not found will not pass the file to the recipient. If the code is not registered use the X flag. The code will not be checked before passing it to the recipient.

For PSR 6743 STRT Receive before Send

STRT version 3.08 will now receive and process the data from your IPDA EMS mailbox before sending data to the IPDA EMS server if you choose the Send and Receive STRT023 shortcut.

Changes for STRT Version 3.07 (Release Date: 02/23/10

For PSR 5773 GDSN Changes for STRT

STRT version 3.07 add new processes for the GDSN codes 42x and 52x. The 42x records are GDSN information by GTIN. The 52x records are GDSN information by BIPAD.

STRT17A reads the 422 and 522 csv files and creates 420 and 520 records to pass to the IPDA EMS server.

STRT17G edits the 420 records and only changes from the last 420 send are pass to the IPDA EMS server.

STRT17B edits the 520 records and only changes from the last 520 send are pass to the IPDA EMS server**.**

STRT26G processes 424 error records. You can find the error file in the ..\STRT\Reports folder named CCYYMMDD_HHMM_MBOX_CGM420_XX.CSV.

STRT26B processes 524 error records. You can find the error file in the ..\STRT\Reports folder named CCYYMMDD_HHMM_MBOX_CGM520_XX.CSV.

STRT28G processes 428 confirmation records. The confirmation file is a complete record of your data in the GDSN database. It is compared to the last 422 file you had. You can find the confirmation file in the ..\STRT\Reports folder named CCYYMMDD_HHMM_MBOX_CONFIRM_CGM.CSV.

STRT28B processes 528 error records. The confirmation file is a complete record of your data in the GDSN database. It is compared to the last 522 file you had. You can find the confirmation file in the ..\STRT\Reports folder named CCYYMMDD_HHMM_MBOX_CONFIRM_CBM.CSV.

For PSR 5654 Fix the 981 Process

This fixes a bug with the 981, "carbon copy" process.

For PSR 6481 Fix EAM Bug Process

The EAM process was not resending BIPADs that had been rejected. This was fixed.

Changes for STRT Version 3.06 (Release Date: 02/22/09

For PSR 5087: STRT Record 383 Process

STRT version 3.06 adds a new program STRT16. STRT16 processes returns that were originally distributed by another wholesaler. The new wholesaler created a file of "383" records and puts them in the STRT2EMS folder. STRT16 finds those files and formats them so they can be included in the transmit file to the IPDA EMS system.

Changes for STRT Version 3.05 (Release Date: 03/28/08

For PSR 3325: STRT Automatic Update Function

STRT version 3.05 introduced the very cool capability for STRT to automatically update when a new version is released.

The STRT program passes back its version to the IPDA system. This is in the file version.txt in the c:\strt\data directory. The IPDA system has the latest version in a file called 'CurrVersion'. When the STRT uses connects to IPDA and the version is different from the current version, an update package of the programs will be downloaded to the STRT PC. This happens after all of the data has been transferred successfully. After the update package is downloaded successfully the 'unpack' routine will commence. The first thing done here is the old programs are copied out of the way to a backup directory. STRT maintains the programs from the last two versions. These are kept in the directories 'lastVerPrograms' and 'nextLastVerPrograms'. Once the old

programs are safely out of the way, the new programs are extracted into the c:\strt\programs directory.

Program '**rstrLastVrsn.exe'** is used restore the previous version of STRT if something goes wrong during the update. ** '**rstrLastVrsn.exe'** must be run from the 'c:\strt\lastVerPrograms'.

Program 'strtupdt.exe' and its shortcut 'STRT UPDATE' can be used to intiate the update process. The automatic update option should be turned off before 'strtupdt.exe' is run.

For PSR 3441:
Changes to correct 9-065 error message in STRT24 on error restart.

Changes for STRT Version 3.04 (Release Date:06/04/07)

For PSR 1621:
The message box has been changed to display the following message: "Strt already running or canceled before done. If you are sure STRT is not running, delete the STOPRUN file from the data directory and run STRT again."

For PSR 2022:
When a send function did not complete input files were being archived instead of restored to try the send again. This happened if the failure happened after the transmit file had been encrypted. I fixed the program by checking for the encrypted files also.

For PSR 2367:
STRT003 was changed so when re-sending an older file the FAIDs will not get mixed up.

For PSR 2541:
STRT20 changed to allow a five digit record counter on the 060 header record. The original four digit record count is still populated and a new record count field was put in at position 45-49 to handle record counts up to 99999.

Changes for STRT Version 3.03 (Release Date: 9/05/06)

For PSR 1458:
Report headings have been added to the STRT 28 - EAM Confirmation Report, and the STRT 17 - EAM Authorization Changes.

For PSR 1497:
STRT and IPDA programs have been changed to only return rejected Items instead of the entire EAM file.

Changes for STRT Version 3.03 (Release Date: 9/05/06)

For PSR 7756:

1. PSR 7756 Edit Out Records with Errors and add physical dimension edit checks
2. One of the major reasons for this PSR is to ensure absolute synchronization between the 061 and 261 records. In the current environment, it is possible, as a result of more than one GTIN/Country/Issue, for the 061 to be based on a record other than the one which will ultimately be selected for the issue (261). The result of this patch must insure this accurate synchronization.
3. There will be four additional fields added to the 069 record (Height, Width, Depth and Weight). The following rules will apply:

    3.1. If the Height value is outside of the range of 3 inches to 24 inches (These values should be kept in STRTEMS.INI file with "MagHeightLow=" and "MagHeightHigh=", then identify it as a warning in the report advising the sender that the height value is our of range and the default magazine Height value has been substituted. The Height value to be substituted should be kept in STRTEMS.INI file with "MagHeight=". The revised record should then go through the remainder of the edits and if it passes, should be passed onto PICS. It should not be counted as an error as described in section). Currently the default value is 11.00 inches.

    3.2. If the Width value is outside of the range of 2.5 inches to 16 inches (These values should be kept in STRTEMS.INI file with "MagWidthLow=" and "MagWidthHigh=", then identify it as a warning in the report advising the sender that the width value is our of range and the default magazine Width value has been substituted. The Width value to be substituted should be kept in STRTEMS.INI file with "MagWidth=". The revised record should then go through the remainder of the edits and if it passes, should be passed onto PICS. It should not be counted as an error as described in section). Currently the default value is 8.13 inches.

    3.3. If the Depth value is outside of the range of 0.1 inches to 5 inches (These values should be kept in STRTEMS.INI file with "MagDepthLow=" and "MagDepthHigh=", then identify it as a warning in the report advising the sender that the depth value is our of range and the default magazine Depth value has been substituted. The Depth value to be substituted should be kept in STRTEMS.INI file with "MagDepth=". The revised record should then go through the remainder of the edits and if it passes, should be passed onto PICS. It should not be counted as an error as described in section). Currently the default value is 0.25 inches.

    3.4. If the Weight value is outside of the range of 1 ounce to 32 ounces (These values should be kept in STRTEMS.INI file with "MagWeightLow=" and "MagWeightHigh=", then identify it as a warning in the report advising the sender that the weight value is out of range and the default magazine Weight value has been substituted. The Weight value to be substituted should be kept in STRTEMS.INI file with "MagWeight=". The revised record should then go through the remainder of the edits and if it passed, should be passed onto PICS. It should not be counted as an error as described in section). Currently the default value is 8 ounces.

4. The STRTEMS.ini file needs to be refreshed each time STRT synchronizes with EMS.

5. Publisher_Desc (20 characters in positions 128 to 147 of the 069 record) currently on the 069 will now become a multi purpose field.

    5.1. If the field value does not begin with GLN (upper or lower case), skip the remainder of this step.
    5.2. If the field value begins with GLN (upper or lower case), then all of the following must be true. If it isn't, substitute a blank for the value of the field and identify it as a warning in the report advising that there is an invalid publisher GLN. The revised record should then go through the remainder of the edits and if it passes, should be passed onto PICS. It should not be counted as an error as described in section).

        5.2.1. Positions 17 to 20 of the field must be blank
        5.2.2. Positions 4 to 16 of the field must be all numeric. Position 16 is the self check digit associated with positions 4 to 15 and must be correct. In other words, positions 4 to 16 must be a valid 13-digit GLN.

6. Take the creation of 060/061 records from 069 records out of STRT22 and put it in STRT20. Create the 060/061 records in a work file that STRT22 will add to any other data being sent to the IPDA EMS system. Only create this file if the STRT20 is in batch mode. Do not write 060/061 records that have errors. Check for the same errors for which the error report is written. If the records are greater than the limit are found don't put out any records in the 060/061 file except one 060 record with a line count of zero and a flag that will mean the file had too many errors. To get the error limit read the STRTEMS.ini file for the line that starts with "UctErrorLimit=". If it is not found set the error limit to 5. Do not let duplicate barcode/country/issue records go through. Still report it in Section II but drop one of them before making the file. If a good 060/061 file is created write the UCT-DATE-TIME record. Take this code from STRT22 also. Be sure that the file with the 069 records is archived like now.

7. In code IPDASORT on the IPDA EMS system, if a 060 record comes through with a line count of zero and the error flag set, write an e-mail to the sender informing them that there UPC records were kicked out because of errors. Make this e-mail separate from the one we already put out.

Changes for STRT Version 3.02 (Release Date: 7/03/06)

For PSR 8974:

1. STRT programs were updated for use with the latest Winbatch compiler
2. NcFTP was enabled to automatically detect and use 'passive mode' if needed.

For PSR 8833:

Fixed bug in STRT024 that was causing incorrect termination of the record code 180.

Changes for STRT Version 3.01 (Release Date: 02/13/06)

For PSR 8778:

Fixed internally discovered bug that wouldn't allow STRT to send a file if the file's name had any spaces in it (ex. 'Test File.txt').

For PSR 8736:

Corrected problem with users that have Windows 98 (Kable) and upgraded to version 3.0. Windows 98 was hanging up when a batch file in STRT issued an error (no FAID file was found, in this scenario). Fixed by listing the directory and checking that the file was available before trying to retrieve it.

For PSR 8747:

Fixed bug in STRT that would not clear out the EAN country code once an EAN came through. The person that experienced the problem wouldn't have realized it with version 3.0 because that record would have been kicked out.

For PSR 8625:

Default record terminators will be stored in IPDA Nbr 9999 in the Profile Maintenance screen of STRT (STRT21). These should be set to the same settings as your main mailbox. Directions on setting these record terminators can be found in the manual (d207.pdf) in Section 4.

For PSR 8258:

Two more sections were added to the UCTCHECK report, Sections V and VI.

- Section V - New Issues. This report will print like the New Records report except include records with barcodes that were on file previously but now have a new issue.
- Section VI - Deleted Issues. This report will be like the Eliminated Records report but will include records with barcodes still on file but the older issue(s) are dropped.
- In all sections where issue prints it will now will be prefixed with the year. The header will also be changed from ADD to YYII.
-

Changes for STRT Version 3.0 (Release Date: 1/30/06)

For PSR 7369:

STRT no longer uses Procomm Plus. It nows uses ncFTP for all communications via FTP to IPDA EMS.

Changes for STRT Version 2.09.1 (Release Date: 04/27/05)

For PSR 7438:

Now when STRT20 processes a UCT 069 file it will now issue an error "OFF SALE BEFORE ON SALE" if there is a valid date in the OFFSALE field and it is less than (in other words precedes) the date ONSALE field. If STRT22 sees this condition that record is skipped.

Changes for STRT Version 2.09 (Release Date: 04/12/05)

For PSR 7392:

STRT023 has been altered so that the FAID is first deleted on the local PC before a new one is written. This was causing a problem with some Windows XP users not being allowed to overwrite the FAID file.

For PSR 7261:

Any files that are sent to IPDA with a tab will be replaced with a space.

For PSR 6836:

There is a new flag available for running STRT023.exe. This new flag, 'U', will allow a Send/Receive/Both run without the need for operator intervention during a successful message or error. The flags are setup by editing the STRT023.exe shortcut's 'Target' field. Currently there is an 'S' flag for Send ONLY, and 'R' flag for Receive ONLY. They would be as follows, for unattended operation:

Send Only, Unattended:	...\STRT\PROGRAMS\STRT023.EXE R U
Receive Only, Unattended:	...\STRT\PROGRAMS\STRT023.EXE S U
Both, Unattended:	...\STRT\PROGRAMS\STRT023.EXE B U

For PSR 6753:

STRT now has 2 new programs included that will encrypt/decrypt data sent to/from the IPDA EMS.

Changes for STRT Version 2.08.2 (Release Date: 02/21/05)

For PSR 7197:

Changed STRT22 so that when 069 file is bad enough the file will not be sent and the appropriate error will appear in the logs.

Changes for STRT Version 2.08.1 (Release Date: 01/25/05)

For PSR 7137:

Corrected problem with STRT22 not updating line count for 090 records. Also if there was only one family code type in the file the FAID was not created.

Changes for STRT Version 2.08 (Release Date: 01/11/05)

The following program changes were made as a continuation of EC-19 and assembled into STRT version 2.08. Four PSR's were involved in these changes.

For PSR 6752:

STRT will now get the last FAID from the EMS Server and assign it to the transaction. STRT023 will call STRT18, which reads the IPDAMAST to determine for whom the FAID must be retrieved. The Procomm is called to ftp the FAID back to STRT.

Also during this transaction the CODETAB.CSV file will be received by STRT. This is a dynamic table of Family Codes that will be used to determine valid STRT transaction types.

For PSR 6757:

Also during the above mentioned transaction the CODETAB.CSV file will be received by STRT. This is a dynamic table of Family Codes that will be used to determine valid STRT transaction types. The CSV file will be laid out, as follows:

Family Code - 3 bytes (aka Header Record)

Code Range - 3 bytes (highest code in family)

FAID Flag - Y or N
FAID Position - 4 bytes
FAID Size - 2 bytes
Record Count Position - 4 bytes
Record Count Size - 2 bytes
Date Position - 4bytes (Date format 1-CYMD, 2-YMD, 3-MDY)
Family Code Desc - 20 bytes

For PSR 6832:

Section II of the 069 compare report checks for duplicate barcodes and prints them. Now it makes the same check, except it includes the ISSUE ADD-ON in the compare. In all for sections added a column for issue.

For PSR 7027:

Updated the UCT selection rules to match IPDA.org.

Changes for STRT Version 2.07 (Release Date: 11/11/04)

The following program changes were made for EC-19 and assembled into STRT version 2.07. Three PSR's were involved in these changes.

For PSR 6195:

Changes were made to STRT22 and STRT24 to create and pass the issue level UCT records. Issue level UCT 260/261 records are created from the 069 records. 263/264 (errors) and 265/266 records are passed back from PICS.

FA-ID's are no longer created on the EMS so 10 more characters were added to the table for creating FA-ID's. This change is in STRT22. In STRT21 the "SET FUNCTIONAL ACK ID" field is only information, you cannot get to the field to change it.

Files sent from and to STRT are always zipped. STRT21 was changed to make the field "TRANSMIT FILE TYPE" informational only, you cannot get to the field to change it.

For PSR 6449:

For the new 263/264 error codes a new program was written to print an error report. That program is STRT27. See the 263/264 record layout for a list of possible errors. Also STRT25 was changed for a new error "BIPAD NOT AUTHORIZED". Job steam programs STRT023 and STRT003 were changed to launch STRT27 if it is required.

For PSR 6075:

Changes were made to archive output files after file transmission instead of at file creation time. STRT22 was changed to remove the code that archived the files. A new code STRT23A was written to archive the files after the ftp transmission. The job steam program STRT023 was changed to load STRT23A at startup if leftover transmit files are found, after STRT22 if an error occurs during STRT22 and after the ftp transmission. If a transmission fails, STRT23A removes the transmit file and restores the input files to the ...\strt\STRT2EMS folder. If a transmission is okay, the transmit and input files are archived. The procedure to retransmit a file now is to just start STRT023 over. Users should still look for the e-mail from the EMS system showing the status and the logs STRT provides. When in doubt call DPS Customer

Service. STRT003 is still available for the remote chance that STRT thinks a transmission is okay but the EMS system lost it or discarded it because of bad data. NEVER use this program to re-send a file without contacting DPS customer Service.

These changes were tested by running the changed against our test system with input provided by Time Warner and output files provided by PICS. Tests were purposely interrupted to make sure restart procedures work. FA-ID's were checked to make sure they were created correctly. Error reports were checked for accuracy and that they ran. On Nov. 1st and 2nd, two end-to-end tests were run. This included sending the input 069 file from our test STRT PC to our test EMS system. PICS received the file with the test STRT, processed, and returned it to the test EMS system. The test STRT PC then retrieved the error file and printed the required reports.