

## **4.01 December 2001 PTF Pak - 011201**

**19 December 2001**

### **To All ICMS Technical Support Personnel:**

This document contains a summary of the PTFs that are being shipped for ICMS Release 4.01 in the Dec-01 PTF Pak, 011201. The Pak has been tested in a customer test environment to ensure that you are receiving a quality product.

This PTF Pak has been compiled from a number of separate PTFs. These were developed as fixes to problems that have been identified from customers, and projects.

**Please note PTFs should be installed into the library ICMSPTF. If you have installed an individual PTF, received after the previous 4.01 PTF Pak has been installed, then you must determine whether or not it, and/or any of its pre-requisites, need to be reapplied after you have installed this Pak.**

### **Fix Distribution Process**

The Fix distribution process for PTFs and PTF Paks is as follows.

- ?? Problem reported by a Geography L2 on behalf of a customer.
- ?? Problem resolved, tested and inspected.
- ?? PTF sent to the reporting Geography L2 together with information on any pre-requisite PTFs
- ?? The Geography L2 sends the PTF to the customer. Any changes for customer specific objects must be made prior to the PTF installation.
- ?? The Monthly PTF Pak is built from all PTFs sent to Geography L2s in the previous month, tested and sent to all Geography L2s.
- ?? The Geography L2 sends the Monthly PTF Pak to customers. Any changes for customer specific objects must be made prior to the PTF installation.

**4.01 Dec-01 PTF Pak Contents**

The Pak is made up of the following individual PTFs developed between 5 July 2001 to 5 December 2001. The term 'Sysroute' in the Description indicates an error initially found in another release of ICMS.

| Distn # | Objects                        | APAR #  | Description   |
|---------|--------------------------------|---------|---|
| 402837  | HS6000                         | SC34721 | Autoactivation failed for CATV Order  |
| 402807  | FM2505                         | SC34703 | Multiple Auto Entry S&E's defined, but fail to process in the in the Service And Equipment Detail file (BLUSOC) when fault post is run. |
| 402792  | DM1080                         | SC34660 | Sysroute - Inconsistent Disputed Usage Processing between Disputed Usage Records Maintenance (CP6400) and Disputes Maintenance (DM1080) |
| 402786  | SV0576                         | SC34672 | Allowing In Date Entry before S&E is effective, and not validating.   |
| 402760  | PR5016                         | SC34618 | Sysroute - Allowing S&E 'Out Date' prior to 'In Date'   |
| 402748  | HH0510 HH0510DF                | SC34610 | Correction for SAM Scroll Start   |
| 402736  | SV0576                         | SC34594 | Sysroute - S&E Maintenance Validation program: Allow to enter invalid date if the year is equal or greater than 20                      |
| 402727  | FM2505                         | SC34578 | Unable to post multiple defined items from Auto Created S&E   |
| 402718  | SV0220                         | SC34571 | Order Entry creation possible for unconnected access number.  |
| 402706  | BL8101A BL8101FM               | SC34559 | 'SAM Listing by Cable ID' does not produce valid reports.   |
| 402680  | BLINHS01                       | SC34532 | Sysroute - Second installment in Installment History File (BLINHS00) causes billing run crash   |
| 402649  | BL1100 BL1100P1                | SC34489 | Overlapping header texts in Service Area Master Listing reports   |
| 402645  | FM5040 FM5040FM                | SC34484 | Addition of S&Es in a fault ticket causes records with corrupt data to be written to BLUSOC   |
| 402622  | CP2705 CP2715<br>CP2805 CP2811 | SC34458 | Sysroute - Initial credit points continues to apply discount to subsequent bill runs  |
| 402616  | ARTRAN09<br>ARTRAN10 SR4024    | SC34448 | Sysroute - Faulty Credit Allocation Adjustment in Billing Run   |
| 402613  | SV0576                         | SC34444 | Incorrect Data retrieval in SV07 allows invalid 'Out Date'  |



## ICM S Product Service and Support

| Distn # | Objects  | APAR #  | Description   |
|---------|--|---------|---|
| 402602  | SV0100 WF0541<br>FX402602<br>FX402602CL<br>FX402602DF<br>FX402602P | SC34528 | Due Date in Staging Extension File (SVSTAG00) is not changed when the Due Date of Service Request S/O is changed.                     |
| 402583  | CP2705 CP2712<br>CP2805  | SC34414 | A MSPPP package with flat rate discount may be reported as having given no discount   |
| 402578  | CP0571   | SC34405 | Incorrect error message displayed in Customer Package Maintenance screen (CP0571)   |
| 402568  | PR5100   | SC34377 | Ability to stage a posted service order   |
| 402565  | PR5011 PR5011DF<br>ICMSMSGF  | SC34384 | Service Request Summary program failed with invalid Relative Record Number (more than 9,999 records written to the screen)            |
| 402562  | CP2705 CP2713<br>CP2805  | SC34375 | An auto-qualify package at service level, designed to override the rate plan only, is giving a discount to an account                 |
| 402552  | SV3020   | SC34373 | Jeopardy Colour not working correctly   |
| 402550  | CP0684 CP0684DF  | SC34359 | Discount specifications on the Discount Table Enquiry screen (CP0684) was not displaying records where the 'over' amount was negative |



## ICM S Product Service and Support

| Distn # | Objects   | APAR #  | Description  |
|---------|---|---------|--|
| 402531  | AA9010 BL8001<br>CE9000 CL0500<br>CL5020 DM1070<br>DM1080 DM1090<br>DM3090 HS5003<br>HS5004 HS5005<br>ICMSMSGF<br>ICMSSETUP IM1932<br>MNLIBL00<br>MNLIBL01 MNUSER<br>PL2425 PR5100<br>RTVUSRLIBL<br>SP0172 SP0190<br>SV0001 SV0004<br>SV0010B SV0013<br>SV0220 SV0223B<br>SV0240 SV1932<br>WF0300 WF2604CL<br>XX0010 XX0105<br>XX0150 XX1060CL<br>XX1080CL XX7000<br>XX7000FM<br>XX7005CL<br>FX402362<br>FX402362CL<br>FX402362DF<br>FX402362P1<br>FX42362ACL | SC34381 | Sysroute - With OS/400 V5R1 allowing 250 libraries in the library list, the ICMS User Control file (MNUSER) has to be changed. |
| 402518  | FM3310  | SC34321 | Record Lock fault returning message to incorrect user  |
| 402513  | SV0030 SV0030FM   | SC34311 | SUBAC# in SUBXTL00 is not populated with correct 'number of trunks' value.   |
| 402475  | AR5040  | SC34278 | Statement Enquiry Call Selection - Code does not follow the internal coding standards  |
| 402473  | DB2513  | SC34264 | Message is now not displayed in Cable\<br>System ID Purge report   |
| 402467  | SV2507  | SC34249 | S/O post error; 'Move Address' type 'B' items not handled correctly  |
| 402465  | DD0120P DD0120R   | SC34262 | Add a new column called 'Payments & Adjustments' to Pending Direct Debit Report  |
| 402454  | SV0310C SV0330<br>SV0331CL<br>SV0332CL SV0340   | SC34242 | Sysroute - Visible S/O deactivated but hidden S/O is not   |
| 402448  | SP3030  | SC34227 | Bill Of Works server ends with Array index Error   |
| 402439  | BL2044  | SC34220 | Call load not rejecting usage records that are too old   |



## ICMS Product Service and Support

| Distn # | Objects                                      | APAR #  | Description  |
|---------|--|---------|--|
| 402431  | PL0880 PL0880FM                              | SC34216 | Incorrect error message displayed in SAM Maintenance Input screen (PL0880FM).  |
| 402425  | DD2010                                       | SC34224 | Direct Debits details not included in Statement Files.   |
| 402412  | SV0220 SV3020                                | SC34213 | Jeopardy Colours display stage warning incorrectly   |
| 402389  | WF0300 WF0301                                | SC34192 | Expired Job reason codes still accepted  |
| 402373  | CT4010                                       | SC34163 | Zero value calls not included under call threshold   |
| 402372  | BL4094 BL4094P1                              | SC34161 | Usage Summary Report produces a level check  |
| 402334  | BR0042BJ<br>BR0043BJ DB0862<br>DB0862DF      | SC34175 | Sysroute - OS/400 V5R1 - Changes required for ICMS Functions   |
| 402331  | DD0041                                       | SC34123 | Screen fields 'Direct Debit Discount' and 'Discount Reversal' lose original value after prompting <F4> then returning <F12>. |
| 402327  | BL4070B                                      | SC34114 | Installment S&Es have no description on Statement Enquiry file.  |
| 402324  | BL3065                                       | SC34116 | Positioning cannot be done using Date and Time fields available in the Usage Investigation Screen via Statement Enquiry.     |
| 402315  | BL5038                                       | SC34103 | Sysroute - On-Line ageing screen is not displaying Security amount correctly.  |
| 402301  | CL1550CL<br>CL1741BJ<br>SR0028CL             | SC34153 | Sysroute - V5R1 Library changes to allow up to 250 libraries in the library list   |
| 402293  | EC0011R                                      | SC34074 | Two active ECA's exist at the concurrently for the same account  |
| 402288  | PL0240 PL0240FM                              | SC34070 | Terminal ID screen locks when de-activating  |
| 402274  | SV0120                                       | SC34064 | Invalid Planning Schedule allowed on update  |
| 402254  | EC0013R                                      | SC34038 | Field 'Payment Received' allows entry in Display mode  |
| 402216  | CP0296 CP0296DF<br>CP0297 CP0315<br>CP0315DF | SC33936 | Unable to purge blank Service Codes from the CPCLRP00 file.  |
| 401991  | CP2705 CP2719<br>CP2805                      | SC33750 | Unit based transition threshold discount gives higher discount than expected   |

## **New Function / Enhancements**

The following APARs do not introduce completely new function but extend the existing function. It is for that reason they are mentioned here. For full details, please refer to the Implementation Instructions document shipped in the savefile II40011201

### ***APAR SC33936 - Unable to purge blank Service Codes from the CPCLRP00 file - (Distn # 402216)***

Blank Service Codes in the Call Load Reports file (CPCLRP00) are not purged. This occurs as the purge function will not allow the entry of a blank Service Code.

The Purge Reports Date/Time Selection program (CP0296) has been changed to allow the entry and purge of blank service codes.

A new popup window has also been created, replacing an older version.

### ***APAR # SC34381- ICMS User Control file (MUSER) Enhancement - (Distn # 402531)***

Prior to the V5R1M0 version of the AS/400 Operating System OS/400, Users were limited to a total of 25 libraries in their library list. With the advent of V5R1M0 this limit has been lifted to 250. This PTF provides a change to the way a user's library list is stored in order to cater for the increase allowed by OS/400 V5R1M0.

**Note:** This PTF can be installed on AS/400 Systems with an earlier version of OS/400, i.e. V4R4M0 and V4R5M0. It is not necessary to have OS/400 V5R1M0 installed before applying this PTF.

## Installation Instructions

For full details on how to install a PTF Pak please refer to the 'ICMS PTF Application Guide', a copy of which can be obtained from your Geography L2.

### Pre-Requisites

The following PTFs and PTF Paks must be installed, in the following order, prior to the installation of the Dec-01 PTF Pak:

?? 010701 Jul-01 sent 14 July 2001.

### General Comments on Individual PTFs

Please take note of the comments for the following individual PTFs that are included in this PTF Pak.

| Distn # | Comment  |         |      |         |     |         |        |      |         |        |   |         |        |      |         |        |   |         |        |     |         |        |
|---------|--|---------|------|---------|-----|---------|--------|------|---------|--------|---|---------|--------|------|---------|--------|---|---------|--------|-----|---------|--------|
| 402531  | <p>This PTF deals with changes made to the ICMS User Control File (MUSER). This file resides in the ICMS System Library (ICMSSYS) on the AS/400. Therefore this PTF will affect <b>all</b> ICMS environments on the AS/400 system.</p> <p>If you are running multiple ICMS release levels on one AS/400 system, you will have to request the appropriate PTFs (and any prerequisite PTFs required), from ICMS Level 2 Support <b>for each</b> ICMS release level.</p> <p>The PTFs will then have to be applied at the <b>same time</b> to each ICMS release level.</p> <table border="1" data-bbox="526 1050 1026 1306"> <thead> <tr> <th>Release</th> <th>APAR</th> <th>Distn #</th> </tr> </thead> <tbody> <tr> <td>3.3</td> <td>SC34378</td> <td>402556</td> </tr> <tr> <td>3.31</td> <td>SC34379</td> <td>402557</td> </tr> <tr> <td>4</td> <td>SC34380</td> <td>402558</td> </tr> <tr> <td>4.01</td> <td>SC34381</td> <td>402531</td> </tr> <tr> <td>5</td> <td>SC34382</td> <td>402559</td> </tr> <tr> <td>5.1</td> <td>SC34396</td> <td>402362</td> </tr> </tbody> </table> <p>The file changes in this PTF <b>must</b> be implemented using the conversion routines supplied. <b>Do not</b> attempt to recreate the files using the standard CRTICMSPF or CRTICMSLF commands. The conversion routine needs to be run once only, regardless of the number of ICMS releases on the AS/400. Users' AS/400 signons have the Initial Program as ICMSSETUP and a library either ICMSSW or ICMSSYS. Therefore the following objects in this PTF, ICMSSETUP, I_INIT, RETVUSRLIBL, XX0010 and XX1060CL <b>must</b> be copied into the ICMSSW and ICMSSYS library to cover for either eventuality.</p> <p>If this PTF has already been applied prior to this Pak, the conversion routine (FX402362CL) should not be run again.</p> | Release | APAR | Distn # | 3.3 | SC34378 | 402556 | 3.31 | SC34379 | 402557 | 4 | SC34380 | 402558 | 4.01 | SC34381 | 402531 | 5 | SC34382 | 402559 | 5.1 | SC34396 | 402362 |
| Release | APAR   | Distn # |      |         |     |         |        |      |         |        |   |         |        |      |         |        |   |         |        |     |         |        |
| 3.3     | SC34378  | 402556  |      |         |     |         |        |      |         |        |   |         |        |      |         |        |   |         |        |     |         |        |
| 3.31    | SC34379  | 402557  |      |         |     |         |        |      |         |        |   |         |        |      |         |        |   |         |        |     |         |        |
| 4       | SC34380  | 402558  |      |         |     |         |        |      |         |        |   |         |        |      |         |        |   |         |        |     |         |        |
| 4.01    | SC34381  | 402531  |      |         |     |         |        |      |         |        |   |         |        |      |         |        |   |         |        |     |         |        |
| 5       | SC34382  | 402559  |      |         |     |         |        |      |         |        |   |         |        |      |         |        |   |         |        |     |         |        |
| 5.1     | SC34396  | 402362  |      |         |     |         |        |      |         |        |   |         |        |      |         |        |   |         |        |     |         |        |



|        |  |
|--------|--|
| 402602 | PPP Jeopardy Update Server <b>must</b> be active before submitting this Datafix. |
|--------|--|

**Database File Changes**

The DDS for the following database file or datastructure changes were shipped in this PTF Pak. Up to date copies of the ICMSFREF files are in the savefile RI40011201. You should restore these files manually into the ICMSPTF library before running the file creation commands.

| PTF    | File(s)                   | Comments  |
|--------|---------------------------|---|
| 402680 | BLINHS01                  | Modified BLINHS01 to include Billing Date, to ensure that each record written to the Installment History file (BLINHS00) is unique  |
| 402616 | ARTRAN09 ARTRAN10         | Amended Credit Allocation By Transaction function (SR4024) to introduce two new ARTRAN00 logical files ARTRAN09 and ARTRAN10.<br>These files are to be used when used when applying credits by two keys; 'account number' and 'service organisation'.<br><br>ARTRAN09<br>Keys: TRACC# (Account number)<br>TRSORC (Service organisation)<br>TRBILD (Target bill date)<br><br>ARTRAN10<br>Keys: TRACC# (Account number)<br>TRSORC (Service organisation)<br>TRDDTE (Due date) |
| 402531 | MNUSER MNLIB00<br>MNLIB01 | ICMS User Library List information is removed from MNUSER. This is now held in the MNLIBL00 file which contains Initial User Library List by User / Sequence / Library information.<br><br><b>Note:</b> Do not attempt to recreate any of these files using the standard CRTICMSPF or CRTICMSLF commands. Use the conversion routine (FX402362CL) supplied with this PTF Pak.   |



**Process Control File Content Changes**

The method by which the content of the Process Control files is changed has itself been changed. Previously these were done using the Copy File Add or Copy File Replace approach which had inherent disadvantages in that, without the appropriate checks being done, data could be lost from a file that was specific to the user's site, and in some cases, a duplicate record could be added.

The approach now is to use a datafix that can be run in either Report or Update mode.

- ?? In Report mode, the datafix will provide a report showing whether records, in the Control File, need to be updated or added, but will not perform the update.
- ?? In Update mode the datafix will perform the update, or addition, of records in the Control file and provide a report detailing the changes

The recommended approach is for the datafix to be run in Report mode first. After that the user can make the decision, based on the report provided, whether to run the datafix in Update mode or not.

For some Control Files, e.g. the Process Control file SYPRCX00, it is possible to add the control record via an existing ICMS maintenance function.

Details for each File Content change are described in the Implementation Instructions contained in the PTF Pak Documentation savefile II40011201.

| Distn # | Objects | File | Comments   |
|---------|---------|------|--|
| 011201  |         |      | There are no Process File Content Changes in this PTF Pak. |

**Conversions / Datafixes**

For complete details for each conversion or datafix, please refer to the Pre and Post-Install Instructions in the Implementation Instructions document shipped in the savefile II40011201

| Distn # | Objects   | Comments  |
|---------|---|---|
| 402602  | FX402602<br>FX402602CL<br>FX402602DF<br>FX402602P | This datafix program will update the Due Date in the S/O Staging Extension File (SVSTAG00) to match with that in the S/O File (SVORDR00). |



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| Distn # | Objects  | Comments   |
|---------|--|--|
| 402531  | FX402362<br>FX402362CL<br>FX402362DF<br>FX402362P1<br>FX42362ACL | The conversion program will create the new files MNLIBL00/<br>MNLIBL01 and changed MNUSER files in the specified<br>library.<br>This program will populate the new file Initial User Library<br>List file (MNLIBL00) from detail in the old MNUSER file.<br>A new version of MNUSER will then be produced. |

**Other Details**

The Pak should be installed in its entirety. You cannot choose individual objects from within it and install these only. The only exception is the updating of any Content File changes as detailed above.

**Feedback**

If you have any issues with this PTF Pak, or suggestions for improving the process please send it via Notes E-mail to "**ICMSU Support/New Zealand/IBM@IBMNZ**", or Internet Id "**ICMSUSUP@nz1.ibm.com**". Please use the problem reporting process for any ICMS product problems.

Regards,

Debbie Compton  
L3 WW ICMS Product Support Manager  
Customer Care and Billing Development and Support Centre  
Telecommunications and Media



Appendix - PTF Pak Savefile Contents

FI40011201 - File Content Changes

|       |          |
|-------|----------|
| *MSGF | ICMSMSGF |
|-------|----------|

GI40011201 – Changed GUI Objects

|       |          |          |          |          |
|-------|----------|----------|----------|----------|
| *DSPF | CP0296DF | FM5040FM | HH0510DF | SV0030FM |
|       | CP0315DF |          |          |          |

RI40011201 - I4.01 Field Reference Files

|       |           |           |           |           |          |
|-------|-----------|-----------|-----------|-----------|----------|
| *FILE | ICMSFREFA | ICMSFREFB | ICMSFREFC | ICMSFREFD | ICMSFREF |
|-------|-----------|-----------|-----------|-----------|----------|

SI40011201 - Changed Source Code

| Type    | Object   | Object   | Object    | Object  |
|---------|----------|----------|-----------|---------|
| *BNDDIR | XX0010   | XX7005CL |           |         |
| *FILE   | ICMSCL   | ICMSCMD  | ICMSRPG   | ICMSSRN |
|         | ICMSCLLE | ICMSPRT  | ICMSRPGLE |         |

WI40011201 - Changed Objects

| Type | Attribute | Object   | Object    | Object   | Object   |
|------|-----------|----------|-----------|----------|----------|
| *PGM | CLLE      | XX7005CL |           |          |          |
| *PGM | CLP       | BR0042BJ | CL1741BJ  | SV0331CL | XX1060CL |
|      |           | BR0043BJ | ICMSSETUP | SV0332CL | XX1080CL |
|      |           | CL1550CL | SR0028CL  | WF2604CL |          |
| *PGM | RPG       | AA9010   | CT4010    | HS5004   | SV0220   |
|      |           | AR5040   | DB0862    | HS5005   | SV0223B  |
|      |           | BL1100   | DB2513    | PL0240   | SV0240   |
|      |           | BL2044   | DD0041    | PL0880   | SV0310C  |
|      |           | BL3065   | DD0120R   | PL2425   | SV0330   |
|      |           | BL4070B  | DD2010    | PR5011   | SV0340   |
|      |           | BL4094   | DM1070    | PR5016   | SV0576   |
|      |           | BL5038   | DM1080    | PR5100   | SV1932   |



## ICM S Product Service and Support

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|                |              |            |          |          |          |
|----------------|--------------|------------|----------|----------|----------|
|                |              | BL8001     | DM1090   | SP0172   | SV2507   |
|                |              | BL8101A    | DM3090   | SP0190   | SV3020   |
|                |              | CE9000     | EC0011R  | SP3030   | WF0300   |
|                |              | CL0500     | EC0013R  | SV0001   | WF0301   |
|                |              | CL5020     | FM2505   | SV0004   | WF0541   |
|                |              | CP0296     | FM3310   | SV0010B  | XX0105   |
|                |              | CP0297     | FM5040   | SV0030   | XX0150   |
|                |              | CP0315     | HH0510   | SV0120   | XX7000   |
|                |              | CP0571     | HS5003   |          |          |
| <b>*PGM</b>    | <b>RPGLE</b> | CP0684     | CP2811   | SR4024   | SV0100   |
|                |              | CP2705     | HS6000   | IM1932   | SV0013   |
|                |              | XX0010     | CP2805   |          |          |
|                |              |            |          |          |          |
| <b>*MODULE</b> | <b>CLLE</b>  | XX7005CL   |          |          |          |
|                |              |            |          |          |          |
| <b>*MODULE</b> | <b>RPGLE</b> | CP0684     | CP2715   | SR4024   | SV0100   |
|                |              | CP2712     | CP2719   | HS6000   | SV0013   |
|                |              | XX0010     | CP2713   | IM1932   |          |
|                |              |            |          |          |          |
| <b>*FILE</b>   | <b>DSPF</b>  | BL8101FM   | CP0684DF | HH0510DF | PR5011DF |
|                |              | CP0296DF   | DB0862DF | PL0240FM | SV0030FM |
|                |              | CP0315DF   | FM5040FM | PL0880FM | XX7000FM |
|                |              |            |          |          |          |
| <b>*FILE</b>   | <b>PF</b>    | ICMSDDS    |          |          |          |
|                |              |            |          |          |          |
| <b>*FILE</b>   | <b>PRTF</b>  | BL1100P1   | BL4094P1 | DB2513P1 | DD0120P  |
|                |              |            |          |          |          |
| <b>*CMD</b>    |              | RTVUSRLIBL |          |          |          |

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**XI40011201 - Source for File Conversion Objects**

| Type     | Object     | Object   | Object     | Object  |
|----------|------------|----------|------------|---------|
| *BND DIR | FX402362CL | FX402602 | FX402602CL |         |
|          |            |          |            |         |
| *FILE    | ICMSCLLE   | ICMSPRT  | ICMSRPGLE  | ICMSSRN |
|          |            |          |            |         |

**ZI40011201 - File Conversion Objects**

| Type    | Attribute | Object     | Object     | Object     | Object |
|---------|-----------|------------|------------|------------|--------|
| *FILE   | DSPF      | FX402362DF |            |            |        |
|         |           |            |            |            |        |
| *FILE   | DSPF      | FX402602DF |            |            |        |
|         |           |            |            |            |        |
| *FILE   | PRTF      | FX402362P1 | FX402602P  |            |        |
|         |           |            |            |            |        |
| *MODULE | CLLE      | FX402362CL | FX402602CL | FX42362ACL |        |
|         |           |            |            |            |        |
| *MODULE | RPGLE     | FX402362   | FX402602   |            |        |
|         |           |            |            |            |        |
| *PGM    | CLLE      | FX402362CL | FX402602CL |            |        |
|         |           |            |            |            |        |
| *PGM    | RPGLE     | FX402602   |            |            |        |