



5.1 Nov, 2002 PTF Pak - 021151

29 Nov 2002

To All ICMS Technical Support Personnel:

This document contains a summary of the PTF's that are being shipped for ICMS Release 5.1 in the PTF Pak, Nov-02 (021151). 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 PTF's should be installed into the library ICMSPTF. If you have installed an individual PTF, received after the previous 5.1 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 PTF Pak is built from all PTFs developed after the previous PTF Pak, tested and sent to all Geography L2s.
- ?? The Geography L2 sends the PTF Pak to customers. Any changes for customer specific objects must be made prior to the PTF installation.



5.1 Nov-02 PTF Pak Contents

The Pak is made up of the following individual PTFs developed from 01 August 2002 to 06 November 2002.

This 5.1 PTF Pak includes, in addition to a number of individual PTFs, some 'Sysroute' PTFs (a 'resynch' of an error from a lower release of ICMS), as a result of an initiative undertaken to speed up the fixing of errors, found at lower releases, in 5.1. To assist in this individual items were grouped together by object, so that in some cases a number of items were 'Sysrouted' into 5.1 under one of them. These are included with the individual PTFs in the table below. PTFs in this Pak that are a result of 'Sysroute' activity can be identified by the term 'Sysroute' in the Description.

Distn #	APAR #	Description
403700	SC35657	MSPPP PIC validation does not check PIC against usage date.
403697	SC35653	Messages missing from CIBER development (004697)
403692	SC35649	Selecting only billing cycle 91 or 92 report fails to show details.
403690	SC35646	Performance problem with Cable Pair Terminal Maintenance program.
403682	SC35634	MSPPP Print Substitution variables &33 / &34 are not outputting correct results.
403674	SC35618	Exiting from Package Analyser results in job crash.
403670	SC35626	Sysroute - Unexpected Error in QSYSOPR message queue.
403668	SC35610	Duplicate record error updating CMPKGS in S/O Post.
403667	SC35656	Orphan ACSERV00 records created by BL4070 during BLUSOC record deletion.
403661	SC35617	Inconsistent information between Linked Faults and Network Faults.
403659	SC35606	Tag-alongs not defaulting in for Directory Listing codes.
403652	SC35608	Incorrect Directory Information being displayed.
403648	SC35611	Trap information not visible from new Set-top Connection Order for existing CATV service.
403645	SC35597	Equal Access Service Order processing fault.
403644	SC35593	Incorrect additional Equal Access record created Change Number Service Order processing.
403643	SC35589	Missing *BNDDIR object from an earlier PTF causes recompile error.
403641	SC35595	CC0400/CC0401 crashed while processing RXQ usage record due to field EMRGUD not being initialised correctly.
403636	SC35584	MSPPP Code to Print not populated in the Statement file.
403635	SC35577	'Receiver value too small to hold result' error in program CC0501.
403634	SC35599	Sysroute - 'File Available Timestamp' population rule amendments.



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403633	SC35576	S&E not 'Inned' and 'Outed' on Service Type Change.
403631	SC35574	Multiple deletes fault in the Interactive Directory Maintenance process.
403629	SC35585	Problems when de-activating a Fault Record.
403627	SC35616	Sysroute - Payments from External payment interface with 'zero' payment amounts are Posted.
403626	SC35588	'File Available' timestamp field not populated in Notification record structure.
403625	SC35583	Inconsistency in Item Location between inventory and provisioning data for CATV Basic Equipment.
403623	SC35605	Sysroute - No RAP-Out package created when the Current Assignment flag is set to 'N'.
403621	SC35565	Unable to add a new Message Area record though there are no gaps in date range.
403620	SC35560	Able to allocate Locked Cable Pair
403617	SC35562	Usage processing messages delivered to QSYSOPR.
403616	SC35552	PARASAML menu heading spelt incorrectly.
403615	SC35550	Miscellaneous Line Information displayed is incorrect.
403614	SC35556	BLINVL00 purge program level checks over the BLINVL00 file.
403604	SC35546	Page headings on Cutoff report displays incorrect information.
403600	SC35551	Linecard information belonging to another EN is displayed on subfile PL0375 during S/O processing.
403599	SC35540	Amend existing inefficiencies in SVAUTO records processing.
403598	SC35535	'TB' errors during re-rate.
403596	SC35536	When a Disconnect S/O is closed and then re-activated, the E911 record is not being removed.
403594	SC35533	Package analyser crashes with a commitment control error.
403593	SC35564	Bulk SAM Duplicate Check does not work correctly.
403590	SC35532	Incorrect details on BLAGE record written during bill run
403582	SC35609	Unable to close Fault despite being at last Stage.
403581	SC35522	Invalid dispute area code is passed on to Dispute Reason Code Selection Window program.
403580	SC35523	Line Number not 'Spared' on Service deactivation.
403579	SC35541	Purging Activation file ICMSPRDB/SYEVNT00.
403577	SC35519	Cable Pair 'reserved date' displayed in a fixed format.
403574	SC35566	No analysis of the error code of a 'fatal' RAP.
403573	SC35526	No service details for CC Service are displayed.
403572	SC35516	S/O Post and Equal Access for disconnected S/P's are not Posting.



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403564	SC35511	Level check occurs when the attention key is used in the Menu system.
403554	SC35501	Dynamic Menu User Cross-reference level checks on MNUSER.
403551	SC35499	S/O Post attempts to 'ln" an MSPPP Package multiple times.
403547	SC35492	Incorrect date used for Service Request memo creation.
403546	SC35505	Selection on the subfile does not work correctly when Business Group is used for Linecard Enquiry Scroll.
403540	SC35520	S/O Post Directory report printing errors.
403539	SC35490	Unable to add customer faults even with FM_CREATE and Stage authorities.
403537	SC35484	TCPRC connection fails when server is started.
403535	SC35477	CATV Equipment Post deletes Trap records based on last SVSOEQ00 record processed.
403534	SC35476	Customer Letter server cannot be terminated normally.
403526	SC35470	Incorrect field used to load the S&E quantity.
403522	SC35524	Sysroute - Validation rule maintenance modification.
403521	SC35514	Sysroute - XR_DUPCHK translation has incorrect parameters.
403516	SC35495	Month/year field values on BLPYGL based on March financial year end.
403501	SC35439	Payment reversal of a Product purchase (non-AR) incorrect.
403486	SC35488	Nightly S&E Reconciliation incorrectly calculating.
403407	SC35596	Sysroute - BL4080P1 is not printing the entire Account name.

Non-PTF Developments

The following Development Projects have been included in this Pak. Rather than addressing existing base software errors, these projects either enhance existing functionality or add new functionality to the ICMS product.

Further information on the projects can be found under the '*New Function / Enhancements*' sub-heading.

Distn #	PCS #	Description
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004697	4697	CIBER 2.5 - Out-Collect processing and standards.
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GUI Only PTFs

The following PTFs are classified as '*GUI Only*'. For these PTFs no AS/400 code was changed or shipped; instead changed GUI objects for the Display listed were shipped in a GUI savefile.

These, along with any GUI elements of standard PTF's, have been merged into the GUI savefile for this PTF Pak GI51021151.

Distn #	Objects	APAR #	Description
403618	BL4001FM	SC35558	GUI - No prompt on the 'Service Code' field; has the 'BI' hard-coded on the panel.
403585	CP3654DF	SC35553	GUI - List Customer Attached to Packages appear in Seagull screen.
403567	PR5010DF	SC35527	GUI - Comment popup screen on Service Request Entry not displaying.

New Function / Enhancements

The following APARs do not introduce completely new function but extend the existing function.

PCS projects that are listed detail new functionality that has been developed and added to the ICMS Release 5.1 product as part of this PTF Pak.

For full details of these function changes / enhancements, refer to the Implementation Instructions contained in the PTF Pak Documentation savefile I151021151.

APAR # SC35584 – MSPPP Code to print on Statement File - (Distn# 403636)

Current functionality will only output the 'Code to Print' specified for the re-rated usage on the toll file (BLTLnnn), if the re-rated usage amount is less than the original usage amount (i.e. there was a rating savings).

A new Process Control flag 'MSPPRTMSG' (Show MSPPP re-rate 'Code to Print') has been added to SYPRCX00.

- ?? When the 'MSPPRTMSG' system process flag is set to 'Y', re-rate 'Code to Print' on the toll file will **ALWAYS** be outputted to the T1 statement record.
- ?? When the 'MSPPRTMSG' system process flag is set to 'N', re-rate 'Code to Print' is only outputted to the T1 record if the re-rate usage amount is **LESS THAN** the original usage amount.

NOTE - The flag will be defaulted to 'N'.

APAR # SC35566 – ICMS not analysing error code of 'fatal' RAP file - (Distn# 403574)

Two changes to function have been made in this PTF:

- ?? A 'Discard' option has the In-Collect Reject File Selection screen. When a 'fatal' return is tagged as discarded, the error in the original TAPOUT file is removed.
- ?? RAP In-Collect process can now correctly update files that contain multiple 'fatal' returns. In-Collect processing now updates the error flag for every TAPOUT file that is rejected in each 'fatal' return.

NOTE – This functionality was originally coded in 403607 but is brought into Base I5.1P with this resynch.

PCS # 004697 – CIBER 2.5 Standard support - (Distn# 004697)

This PTF contains the ICMS Implementation of Population rules for the creation of Out-Collect Record Types to support CIBER 2.5 standard.

This PCS is an additional component of the 5.1.5 development included in the Aug-02 PTF Pak.



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.

Note: Some of the ICMS PTF Installation Objects in library ICMSPSUP were changed for 5.1. Please ensure that you are using the latest versions that were sent with the initial release of 5.1. In addition to that please check that the data area CHGCTLDTA and the command APYICMSPTF exist only in library ICMSPSUP. Any other versions must be deleted.

GUI Installation procedure

To restore GUI changes from the GUI savefile G151021151, customers are required to perform the following steps in the IFS:

- i) MKDIR '/es'
- ii) MKDIR '/es/gui'
- iii) MKDIR 'es/gui/icmsptf'
- iv) MKDIR 'es/gui/icmsptf/g021151'
- v) RST DEV('/qsys.lib/<paklib>/gi51021151.file)
OBJ(('es/gui/icmsptf/g021151/*'))

Note: <paklib> - Library in which the GUI savefile G51021151 is located.

Pre-Requisites

The following PTFs and Paks must be installed, in the following order, prior to the installation of the Nov-02 PTF Pak:

?? 020851 Aug-02 PTF Pak shipped 29-Aug-02



General Comments on Individual PTFs

Please take note of the comments for the following individual PTFs that are included in this PTF Pak. Full details can be found in the Implementation Instructions file contained in the PTF Pak Documentation savefile I151021151.

Distn #	Comment
403634	<p>This PTF addresses 5 separate TAP3v4 errors. It includes additional Population Rule modifications.</p> <p>The changes specified in the II are mandatory for customers using TAP.</p> <p>Note - If this PTF is applied as an individual fix, it MUST be applied subsequent to Population Rule changes made in 403626 (also included in this Pak).</p>
403626	<p>Population Rule modifications not taken into account in PCS 004533.</p> <p>The changes specified in the II are mandatory for customers using TAP.</p>
403537	<p>Additional documentation explaining parameter has been shipped with this Pak, Refer to document PTF403537Parameter Setup.doc</p>
403516	<p>A change has been made to file CMASTER with the addition of the GLFYREND key. This will enable customers to specify their financial year in a numeric format with relation to Accounts Receivable General Ledger entries.</p> <p>A datafix has been included to add this key to CMASTER. This is envisioned to be a one-time setup.</p>
004697	<p>The Implementation Instructions relating to CIBER 2.5 development require complete understanding before attempting to implement this enhancement.</p> <p>Note – This PCS is an additional component to the 5.1.5 development included in the Aug-02 Pak.</p> <p>A TAP PTF has also been Sysrouted into this development. The APAR numbers associated with these fixes and their descriptions, can be found in the Implementation Instructions document.</p> <p>The associated conversion software contains several conversions; some mandatory, some optional. Conversion 3 must only be run in report mode.</p>

Database File Changes

The DDS for the following database file or datastructure changes were shipped in this PTF Pak. Please ensure that the ICMSDDS source file exists in the ICMSPTF library.

Up to date copies of the ICMS Field Reference files (ICMSFREF*) can be found in savefile RI51021151. These have to be restored manually, and replace the current versions presently in the library list (ICMSPTF library), **before** the changed files in this PTF Pak are recreated.

Note - For full descriptions of any file modifications, see notes in the DDS and Implementation Instructions. Files listed with no Change Description had no change referenced in the DDS.

New Physical or Logical files created has details marked in [BLUE](#).



Distn #	Objects	Change Description
403652	SVTLSP04	New logical file over SVTLSP00.

Process Control File Content Changes

Process control file content changes are normally done using 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 Pre- and Post-Install Implementation Instructions contained in the PTF Pak Documentation savefile I151021151.

Distn #	Objects	File	Comments
403636	FX403636 FX403636CL FX403636DF FX403636P1	SYPRCX00	Flag MSPPPRTMSG added to determine whether 'Code to Print' is always outputted to the T1 Statement file.
403573	FX403573 FX403573CL FX403573DF FX403573P1	MSXREF00	Records added to MSXREF00 (access code = SRVSPCDETL) for Service Codes that are Telephony or GSM Cellular network affiliated.
403516	FX403516 FX403516CL FX403516DF FX403516P1	CMASTER	Record added to CMASTER with a (key = GLFYREND). The user is prompted to input a GLFYREND value, which will be the numeric value for the month representing the customers financial year end. The valid values are from 1 to 12.

Conversions or Datafixes

The standard practice for conversions or datafixes is that they can be run in either Report or Update mode.

- ?? In Report mode, the conversion/datafix will provide a report showing what records, if any, in the affected file(s), need to be updated, but will not perform the update.



?? In Update mode the conversion/datafix will perform the update of the records in the affected files(s) 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. Please also refer to the Post Install Implementation Instructions contained in the PTF Pak Documentation savefile I151021151 for more details.

Distn #	Objects	Comments
403667	FX403667 FX403667CL FX403667DF FX403667P1	This datafix will read through ACSERV00 and check whether there is a related BLUSOC item. If no BLUSOC item is found, the ACSERV00 record will be deleted.
403625	FX403625 FX403625CL FX403625DF FX403625P1	This datafix will correct the discrepancy between the Item Basic Detail files (equipment data) and Non-subscriber Equipment Detail (provisioning data) for CATV Basic Equipment (equipment type 00).
403521	FX403521 FX403521CL FX403521DF FX403521P1	This datafix amends the XR_DUPCHK translation type in file CLTRDT00. Field 1 is changed from GGPRSCHGSUB to GCHARGESUBS.
004697	FX467901 FX467901CL FX467901DF FX467901P1 FX467902 FX467902CL FX467902DF FX467902P1 FX467903 FX467903CL FX467903DF FX467903P1	This conversion will add new CIBER parameters. This conversion removes redundant CIBER parameters. This conversion adds new CIBER parameters for Unit and Function Testing purposes. In a customer implementation, this conversion must only be run in report mode.

Client Software

There is no new version of the AVI software included as a component of the November 02 PTF Pak.

Other Detail

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 '**ICMS Support/India/Contr/IBM@IBMIN**', or Internet ID '**ICMSSUPP@IN.IBM.COM**'. Please use the problem reporting process for any ICMS product problems.

Regards,

Debbie Compton

Product Support Manager

Customer Care and Billing Development and Support Centre

Telecommunications and Media



Appendix - PTF Pak Savefile Contents

FI51021151 – Message File Changes

*MSGF	ICMSMSGF			
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GI51021151 – Changed GUI Objects

This savefile contains the changed GUI Objects for the following display files

*DSPF	BL4001FM	CL1781CDF	CL1822DF	CP3654DF
	BL5056DF	CL1782CDF	CP0362DF	PR5010DF
	CL1662DF	CL1821DF		

The savefile itself contains the contents of the IFS Directory **/ES/GUI/ICMSPTF/G021151** as listed below

*STMF	(11).AWW	(26).AWW	G021151.AWP	POPUP.AWW
	(15).AWW	(3).AWW	G403501.IMP	PRODINFO.AWW
	(18).AWW	(4).AWW	G403567.IMP	g021151.ALB
	(2).AWW	(8).AWW	G403585.IMP	g021151.AWA
	(20).AWW	(9).AWW	ICMS.AWM	g021151.AWE
	(21).AWW	G004697.IMP	ICMS.AWX	g021151.AWR
	(23).AWW	G021151.AWI	MERGE.SYN	g021151.SID
	(25).AWW			

RI51021151 - 5.1 Field Reference Files

*FILE	ICMSFREF	ICMSFREFA	ICMSFREFB	ICMSFREFC	ICMSFREFD
	ICMSFREFF				

SI51021151 - Changed Source Code

Type	Object	Object	Object	Object
*BNDDIR	AA5000	CL1782ZCL	CP0362CLU	SV0004
	CL1766	CL1962	PR5100	SV0150
	CL1781ZCL	CL1982	SP0170	
*FILE	ICMSCL	ICMSCPYLE	ICMSRPG	ICMSSRN
	ICMSCLLE	ICMSPRRT	ICMSRPGLE	ICMSSSRV



WI51021151 - Changed Objects

Type	Attribute	Object	Object	Object	Object
*SVRPGM	RPGLE	CL1886S	CL1982	CL1986	SR6520
*PGM	CLLE	CL1655CLE	CL1760ACL	CL1783ABJ	CP0190BJ
		CL1655CLU	CL1781HBJ	CL1783BBJ	CP0362CLU
		CL1750ACL	CL1781ZCL	CL1786CBJ	CP0611CL
		CL1750BCL	CL1782ZCL	CL1821CL	
*PGM	CLP	CP0570CLE	LE0500CL	MN9100CL	
*PGM	RPG	BL2007	BR0251	HS2502	PL0400
		BL2037	CC0348	HS2503	PL0555
		BL2853	CC2051	HS5020	PL1868
		BL4014	CL1370	HS5021	PL3101
		BL4021	CL1500	HS5023	PR5051
		BL4023	CL2507	HS5090	PR5060
		BL4026	DB1441	MN1012	SR4023
		BL4034	FM3310	MS0100	SV0010
		BL4070	FM5010	MS0551	SV2501
		BL4080	FM5071	MS0579	SV2502
		BL4081	FM5081	MS2505	SV2508
		BL4218	FM5140	MS2507	SV5064
		BL4260B	FM5200	PL0110	SV5066
		BL5003	GF2080	PL0113	SY2104
		BR0250	HH0301	PL0375	
*PGM	RPGLE	AA5000	CL1758A	CP0191	IM6070
		BL0037	CL1765	CP0341A	LN5020
		BL2352	CL1766	CP0611	PG2010
		BL4051	CL1781J	CP2705	PG2011
		BL5050	CL1782J	CP2805	PR5052
		CC0357	CL1784F	CP2811	PR5100
		CC0400	CL1784G	CP2853	SR0009



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		CC0401	CL1786E	CP2854	SR4021
		CC0501	CL1881	CR2000	SR4024
		CL0970	CL1882	FM3600	SV0001
		CL1625	CL1883	FM3630	SV0004
		CL1632	CL1962	HS6000	SV0150
		CL1659	CL1963	IM6020	SV2526
		CL1750H	CP0166		
*MODULE	CLLE	CL1750ACL	CL1750BCL	CP0362CLU	CP0611CL
*MODULE	RPGLE	AA5000	CL1823A	CL191128	CP0190
		BL0037	CL1881	CL191129	CP0362
		BL2352	CL1882	CL191130	CP0611
		BL4051	CL1882A	CL191131	CP0611B
		BL5056	CL1885	CL191132	CP0611C
		CC0401	CL1886	CL191133	CP2713
		CC0501	CL190010	CL191134	CP2816
		CL0970	CL190047	CL191135	CP2853
		CL1657	CL190061	CL191136	CP2854
		CL1675	CL190062	CL191137	CR2000
		CL1750	CL190065	CL191138	FM3600
		CL1750C	CL190104	CL191139	HS6000
		CL1750D	CL190106	CL191140	IM6020
		CL1750E	CL190131	CL191141	IM6070
		CL1750H	CL190134	CL191142	LN5020
		CL1758A	CL190136	CL191143	PG2010
		CL1760	CL191003	CL191144	PG2011
		CL1760D	CL191023	CL1923	PR5052
		CL1763	CL191029	CL1929	PR5100
		CL1764	CL191107	CL1930	SR0009
		CL1765	CL191108	CL1935	SR4021
		CL1766	CL191111	CL1936	SR4024
		CL1767	CL191114	CL1962	SR6520
		CL1781C	CL191123	CL1963	SV0001
		CL1782C	CL191124	CL1968	SV0004
		CL1821	CL191125	CL1977	SV0150



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		CL1822 CL1823	CL191126 CL191127	CL6012 CP0166	SV0151 SV2526
*FILE	DSPF	BL5056DF	CL1781CDF	CL1821DF	CP0362DF
		CL1662DF	CL1782CDF	CL1822DF	MN9100FM
*FILE	PF	ICMSDDS			
*FILE	PRTF	BL4021P1	BL4080P1	BL4080P2	CC0501P1

XI51021151 - Source for File Conversion Objects

Type	Object	Object	Object	Object
*BNDDIR	FX403466	FX403573CL	FX403636	FX469701CL
	FX403466CL	FX403617	FX403636CL	FX469702
	FX403516	FX403617CL	FX403667	FX469702CL
	FX403516CL	FX403625	FX403667CL	FX469703
	FX403573	FX403625CL	FX469701	FX469703CL
*FILE	ICMSCLLE	ICMSPRRT	ICMSRPGLE	ICMSSRN

ZI51021151 - File Conversion Objects

Type	Attribute	Object	Object	Object	Object
*PGM	CLLE	FX403466CL	FX403617CL	FX403667CL	FX469702CL
		FX403516CL	FX403625CL	FX469701CL	FX469703CL
		FX403573CL	FX403636CL		
*PGM	RPGLE	FX403466	FX403617	FX403667	FX469702
		FX403516	FX403625	FX469701	FX469703
		FX403573	FX403636		
*MODULE	CLLE	FX403466CL	FX403617CL	FX403667CL	FX469702CL
		FX403516CL	FX403625CL	FX469701CL	FX469703CL
		FX403573CL	FX403636CL		



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*MODULE	RPGLE	FX403466	FX403617	FX403667	FX469702
		FX403516	FX403625	FX469701	FX469703
		FX403573	FX403636		
*FILE	DSPF	FX403466DF	FX403617DF	FX403667DF	FX469702DF
		FX403516DF	FX403625DF	FX469701DF	FX469703DF
		FX403573DF	FX403636DF		
*FILE	PRTF	FX403466P1	FX403617P1	FX403667P1	FX469702P1
		FX403516P1	FX403625P1	FX469701P1	FX469703P1
		FX403573P1	FX403636P1		