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PTF ID	Description	Status mm/dd/yy	Superseded By
2M90ALL	Cumulative PTF Package Last Updated 2022/06/03		
2M90001	FNT Unknown Code Page Handling Corrected	01/15/15	2M90063
	o Missing code page font resource no longer causes the process to fail, a substitute is used instead. This restores the previous behavior.		
	o Default code page selection enhanced to be sensitive to the spooled file's encoding.		
2M90002	PDF TrueType With Code Page Corrected	01/15/15	2M90067
	o When a TrueType font was specified with a code page font resource, the generated PDF contained incorrect data, unicode mapping and font subset.		
2M90003	PDF Merge TrueType Subsets	02/05/15	2M90067
	o Multiple copies of a single TrueType font, with different subsets, were generated when the font was specified in different ways. Now the subsets are combined into single copy and overall file size is reduced.		
	o Horizontal scaling of the underscore character was performed incorrectly when rendering PTOCA undescored text.		
2M90004	SM1 Expand PCFILE() To 64	02/08/15	2M90068
	o SNDSPLMAIL command's PCFILE() parameter was expanded from a maximum length of 32 to a maximum length of 64. No recompile is needed.		
2M90005	FNT *SCS Scalable Fonts Mishandled	03/31/15	2M90063
	o The font size derived from *SCS spooled file which specifies a scalable font was incorrect.		
2M90006	PDF *SCS Scalable Fonts Mishandled	04/13/15	2M90067
	o The font size derived from *SCS spooled file which specifies a scalable font was incorrect.		
2M90007	PDF *TRUETYPE DBCS On Handheld Devices	04/20/15	2M90067
	o Imbedded *TRUETYPE fonts used with DBCS data displays correctly in Adobe Reader but does not display in other context such as handheld due to malformed CIDFont declaration.		
2M90008	PDF *TRUETYPE SBCS On Handheld Devices	04/21/15	2M90067
	o Imbedded *TRUETYPE fonts used with SBCS data displays correctly in Adobe Reader but does not display in other context such as handheld due to malformed encoding cmap.		

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PTF ID	Description	Status mm/dd/yy	Superseded By
2M90009	SUI WRKGSISPLF/WRKGSIOUTQ Slow Response Time o WRKGSISPLF and WRKGSIOUTQ were slow to respond to page down requests.	04/29/15	2M90066
2M90010	PDF A PDF/A Validator Complains o Some PDF/A validators complain that "The XMP property 'xmp:CreateDate' is not synchronized with the document information entry 'CreationDate'." Code was changed to avoid the less liberal interpretation.	05/09/15	2M90067
2M90011	SM1 SPLNBR(*ANY) Doesn't Work o SNDSPLMAIL command's SPLNBR() parameter special value *ANY doesn't work and generates an error.	07/09/15	2M90068
2M90012	SPL QGSLRSC Fails For Duplicate Splf o Generating a resource list using QGSLRSC failed when processing a spooled file that has a duplicate on the system. QGSLRSC is now called using the system's internal IDs for the job and spooled file and the problem avoided.	07/10/15	
2M90013	FNT QGSLRSC Fails For Duplicate Splf o Retrieving font file names using QGSLRSC failed when processing a spooled file that has a duplicate on the system. QGSLRSC is now called using the system's internal IDs for the job and spooled file and the problem avoided.	07/10/15	2M90063
2M90014	FNT Unneeded TrueType Opens Failure o Resolving TrueType fonts failed to check for existing resolved reference resulting in a stack overflow and failed processing.	08/25/15	2M90063
2M90015	PDF Clean Up Error o Two location in environment create error handling destroy a local copy of a pointer instead of the passed copy leading to a suspected error on a customer system when the passed copy is also destroyed.	09/04/15	2M90067
2M90016	PDF Uninitialized Pointer o Uninitialized pointer caused clean up failure with MCH3601 under some error scenarios.	09/10/15	2M90067
2M90017	FNT Reissue Service Program o Service program recompiled and reissued.	12/19/15	2M90063

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PTF ID	Description	Status mm/dd/yy	Superseded By
2M90018	PDF Reissue Service Program	12/19/15	2M90067
	o Service program recompiled and reissued.		
2M90019	SND Attachment Name With M$ "\"	01/18/16	2M90068
	o Attachment file name incorrect when object specified using window path separator character ("\") instead of IFS path separator character ("/").		
2M90020	PDF Portrait90/Landscape90 Incorrect	02/15/16	2M90067
	o Portrait 90 and Landscape 90 orientation values on medium descriptors gave wrong results for *AFPDS spooled files. Orientation now derived from medium descriptor extents.		
2M90021	SUI WRKGSISPLF/WRKGSIOUTQ Slow Open	05/05/16	2M90066
	o WRKGSISPLF and WRKGSIOUTQ were slow to open Selection check at the wrong point in the code resulted in poor performance on systems with many spooled files.		
2M90022	PDS Page Buffer Functions Added	08/24/16	2M90032
	o Page buffer concept and supporting functions added. Page buffers allow out of sequence print data to be processed correctly by sequence oriented transforms such as txt, html, etc.		
2M90023	FNT Retrive CCSID Function Added	08/24/16	2M90063
	o New export allows retrieval of a font stack entry's opinion on the current effective ccsid.		
2M90024	TXT Procesing Improvements	08/24/16	2M90033
	o *TXTxxx transforms now support out of sequence data in a print data stream.		
	o *TXTxxx transforms now support mixed CCSID data in a print data stream.		
	o *TXTxxx transforms now support complex over printing of DBCS data as well as other enhancements to overlap resolution.		
2M90025	SAM Add *TXTNONBLANK Transform	08/24/16	2M90068
	o New text transform, *TXTNONBLANK, has been added. The transform compresses out all lines containing only white space. This processing is similar to that of the OS and i Access.		
2M90026	PDS Internal Mods To Increase Modularity	09/20/16	2M90032
	o Internal modifications to increase modularity.		
2M90027	TXT Internal Mods To Increase Modularity	09/20/16	2M90033
	o Internal modifications to increase modularity.		

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PTF ID	Description	Status mm/dd/yy	Superseded By
2M90028	PDF Intelligent Mail BARCODE Error o Incorrect data in an internal Intelligent Mail table resulted in invalid barcodes being generated something like 1.5% of the time.	10/05/16	2M90067
2M90029	PDS Page Buffer Handle DBCS ES!=x1301 o Page buffering enhanced to handle DBCS data with encoding schemes other than x1301.	10/10/16	2M90032
2M90030	FNT Always Produce Unicode Char Map o Processing enhanced to produce a unicode character map even in the absence of a code page *FNTRSC object.	10/10/16	2M90063
2M90031	PDS Uninitialized Variable o Uninitialized variable causes *TXTxxx conversion failure when splitting the spooled file with PAGDTA() parameter.	10/18/16	2M90032
2M90032	PDS New Export o New export added to improve space/memory management between service program and clients.	11/18/16	
2M90033	TXT *FORMDEF/Text Suppresion o *TXTxxx conversions now correctly process *FORMDEF print resources and correctly apply text suppression for *AFPDS spooled files. Previously text suppression was ignored and all text appeared in the generated output.	11/18/16	
2M90034	HTM Various Enhancements o Built in css changed from tr { float: left; } to tr { float: none; } to yield uniform "page" sizes during display. o Support for *AFPDS print data streams added. o *HTMLxxx transforms now support out of sequence data in a print data stream. o *HTMLxxx transforms now support mixed CCSID data in a print data stream. o *HTMLxxx transforms now support complex over printing of DBCS data as well as other enhancements to overlap resolution.	11/18/16	
2M90035	RTF Various Enhancements o Support for *AFPDS print data streams added. o *RTFxxx transforms now support out of sequence data in a print data stream. o *RTFxxx transforms now support mixed CCSID data in a print data stream.	11/18/16	

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PTF ID	Description	Status mm/dd/yy	Superseded By
	o *RTFxxx transforms now support complex over printing of DBCS data as well as other enhancements to overlap resolution.		
	o *RTFxxx transforms can now target CCSID *UNICODE and *UTF8.		
2M90036	SAM Enable HTM/RTF for *AFPDS	11/18/16	2M90068
	o Update conversion to enable *AFPDS processing by *HTMxxx and *RTFxxx transforms.		
2M90037	FNT Enhanced Equal CharSet Test	01/01/17	2M90063
	o Test for equal char sets enhanced to look at the underlying *FNTRSC and not the references, decreasing the number of false negatives.		
2M90038	PDF *FGID Imbed Changes	01/01/17	2M90067
	o Previously PDFFNTIMB(*FGID) looked for font resources in a list derived from the as shipped system font table. If no match was found, nothing was imbedded. Now if no match is found, Type 1 fonts present on every system are used. A font is always imbedded.		
	o Previously multiple copies of a font imbedded for an FGID or for PDF/A might be included unnecessarily. Multiples are now avoided.		
2M90039	SCS Invalid VCS Channel Ignored	08/09/17	
	o Invalid channel number in SCS control VCS (vertical channel select) was treated as a fatal error. Now the control is ignored and processing continues.		
2M90040	PID Message File Updates	10/09/17	
	o Add new application messages to message file for future enhancement.		
2M90041	PID Upgrade RTVGSIPTF Command	10/10/17	
	o Previously, the Retrieve Gumbo PTF (RTVGSIPTF) command downloaded PTFs using the FTP protocol. Now RTVGSIPTF uses HTTP. Additionally, RTVGSIPTF can access the PTF server through a proxy server, if required by your network, using the new PROXY() parameter. . We anticipate that some installations' networks will have problems accessing the PTF server over HTTP. On a temporary basis, RTVGSIPTF has		

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PTF ID	Description	Status mm/dd/yy	Superseded By
	introduced a PROTOCOL() parameter that allows you to switch back to the old FTP behavior while correcting problems with HTTP service. This parameter will ultimately be removed along with support for FTP as a transport mechanism. . COMPATIBILITY WARNING . HTTP is now the default protocol for PTF retrieval. If your network restricts HTTP access or if a proxy is required for HTTP access the RTVGSIPTF command will fail. If a proxy is required you must fill in the PROXY() parameter. Otherwise you will have to specify PROTOCOL(*FTP) while you resolve problems with HTTP access on your network.		
2M90042	PDF Suppress DBCS *TYPE3 Imbedding o Previously PDFFNTIMB(*TYPE3) could not be specified for DBCS spooled files as imbedding of DBCS fonts fails. Now DBCS fonts are bypassed and other DBCS fonts are imbedded.	10/31/17	2M90067
2M90043	FNT DBCS Length Calcs Corrected o Length and positioning were miscalulated for DBCS characters when processed in the presence of font resources. The old, correct, behavior has been restored.	11/08/17	2M90063
2M90044	FNT New Function Export o New export to allow retrieval of a font's Baseline Offset Default value.	11/12/17	2M90063
2M90045	PDF Correct Type3 Size For Mapping o Certain raster fonts (ex. C0S0CR12) contain a discrepency between the stated point size and the 'Baseline offset default' value. Sizing an Adobe builtin font using point size gave a result that was 'too small'. When the values diverge we now use 'Baseline offset default' to calculate size for the builtin giving results that better appoximate the printed page.	11/12/17	2M90067
2M90046	FNT Correct *PRV Signature o Correct *PRV signature.	11/14/17	2M90063
2M90047	PTX Track Overstrike/Underscore Positions	12/05/17	

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PTF ID	Description	Status mm/dd/yy	Superseded By
	o Added processing and macros to track and return start and end positions for overstrike and underscore.		
2M90048	PDF Re-implement Underscoring	12/05/17	2M90067
	o Previously underscoring was accomplished by 'printing' the underscore character (_). This method could produce length oddities. Underscoring has been re-implemented as as a graphic line with improved start and stop accuracy.		
2M90049	FNT Improve Baseline Offset Default	12/07/17	2M90063
	o Update Baseline Offset Default retrieval to use FND Nominal Height if it is larger than Baseline Extent Max.		
2M90050	PDF /A Validation Failing	12/22/17	2M90067
	o PDF/A file validation was failing for files that contained bookmarks and for files produced with TXTRELPOS(*EXACTMOD) when *TYPE3 fonts were used. These now validate.		
2M90051	FNT mu/micro Naming Discrepancy	04/09/18	2M90063
	o There is a naming discrepancy between IBM and Adobe regarding the mu/micro glyph. This caused the character to non-display in some circumstances. We have standardized on Adobe's view and the discrepancy is resolved.		
2M90052	FNT PDF/A Fails After mu/micro Fix	08/07/18	2M90063
	o PDF/A processing fails after mu/micro fix with message ids FNT0028 and PDF0125. The error is corrected.		
2M90053	PID Update Field Fix Manager	08/24/18	
	o Added field fix manager processing to delete resolved font resource users spaces, if requested by a PTF, in order to force regeneration.		
2M90054	FNT Remove Type1 Marker Fields	08/24/18	2M90063
	o Type 1 font resolution now strips marker fields from the font program resulting in a pure pfb. This resolves a complaint from more recent PDF/A validators such as veraPDF, . NOTE: Previously resolved font resources are		

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PTF ID	Description	Status mm/dd/yy	Superseded By
	moved to QRPLOBJ during application of this PTF in order to force their recreation.		
2M90055	IFS New Export Added	11/06/18	
	o New function to open (create) a file based on CCSID instead of CPGID added. This facilitates control over the created file's CCSID attribute.		
2M90056	SND File Open Change	11/06/18	2M90068
	o Now uses IfsOpenCcsid().		
2M90057	SPF Add System, Date/Time To Delete	05/26/19	
	o Added system name and create date/time to delete function.		
2M90058	SM1 Add System, Date/Time To Delete	05/26/19	2M90068
	o Spooled file delete was missing system name and date/time selection processing causing failed delete on systems with wrapperd job numbers. The error is corrected.		
2M90059	PDF C/J/K SBCS Conversion Corrected	09/27/19	2M90067
	o C/J/K SBCS CCSIDs now converted correctly and presented with Adobe Asian Fonts.		
2M90060	PDF C/J/K DBCS COR Font Sizing	10/03/19	2M90067
	o C/J/K DBCS fonts were too large after COR was applied and overlapped vertically. Sizing is corrected and overlap removed.		
2M90061	FNT Font Table Update/DBCS Default	10/09/19	2M90063
	o Removed definition for font X0ABCD from internal font tables. This was an old work around that is no longer needed and gives incorrect results in some instances.		
	o X0ABCD no longer used as a default font.		
2M90062	FNT Multiple Messages Avoided	10/30/19	2M90063
	o We were issuing diagnostic messages for each page when a spooled file speicified a non-standard coded font and the coded font could not be found on the system. Messages are now only issued once per spooled file.		
2M90063	FNT TrueType Scaling, Etc.	02/05/20	
	o Corrected calculation of horizontal scaling for TrueType fonts which are not uniformly scaled (i.e. DDS *POINTSIZE height value not equal to width value). Preveously the difference was ignored and processed as uniformly scaled.		
	o Extraneous and misleading diagnostic messages		

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	FNT0008, FNT0009, FNT0010, and FNT0017 no longer issued. They are only of interest to *SCS spooled files but were issued for all.		
	o New export to return TrueType/OpenType font name.		
2M90064	PDF Imbedded DBCS TrueType Now Searchable	02/05/20	2M90067
	o PDF files with imbedded DBCS TruType fonts are searchable. Previously /ToUnicode Cmap was omitted.		
2M90065	SUI WRKGSISPLF/WRKGSIOUTQ Slow Open	05/31/20	2M90066
	o Changed API strategy to improve initial screen performance with 100K+ spooled files.		
2M90066	SUI WRKGSISPLF/WRKGSIOUTQ Bot/Top	06/04/20	
	o Changed API strategy to improve top/bottom performance with 100K+ spooled files.		
2M90067	PDF Incorrect AFPRSC default size	10/17/20	
	o Incorrect AFPRSC default sizing when size not specified.		
2M90068	SM1 Add FROM(*USRID:X:Y and *USRPRF:X)	09/18/21	
	o Added processing for FROM(*USRID:X:Y) and for FROM(*USRPRF:X) to SNDSPLMAIL command.		

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