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PTF ID	Description	Status mm/dd/yy	Superseded By
2A70ALL	Cumulative PTF Package Last Updated 2022/06/03		
2A70001	FNT Unknown Code Page Handling Corrected	12/06/17	2A70058
	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.		
2A70002	PDF TrueType With Code Page Corrected	12/06/17	2A70061
	o When a TrueType font was specified with a code page font resource, the generated PDF contained incorrect data, unicode mapping and font subset.		
2A70003	PDF Merge TrueType Subsets	12/06/17	2A70061
	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.		
2A70004	FNT *SCS Scalable Fonts Mishandled	12/06/17	2A70058
	o The font size derived from *SCS spooled file which specifies a scalable font was incorrect.		
2A70005	PDF *SCS Scalable Fonts Mishandled	12/06/17	2A70061
	o The font size derived from *SCS spooled file which specifies a scalable font was incorrect.		
2A70006	PDF *TRUETYPE On Handheld Devices	12/06/17	2A70061
	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.		
	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.		
2A70007	SUI WRKGSISPLF/WRKGSIOUTQ Slow Response Time	12/06/17	2A70060
	o WRKGSISPLF and WRKGSIOUTQ were slow to respond to page down requests.		
2A70008	PDF A PDF/A Validator Complains	12/06/17	2A70061
	o Some PDF/A validators complain that "The XMP		

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	property 'xmp:CreateDate' is not synchronized with the document information entry 'CreationDate'." Code was changed to avoid the less liberal interpretation.		
2A70009	SAM SPLNBR(*ANY) Doesn't Work	12/06/17	2A70053
	o SPLCONVERT command's SPLNBR() parameter special value *ANY doesn't work and generates an error.		
2A70010	SPL QGSLRSC Fails For Duplicate Splf	12/07/17	
	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.		
2A70011	FNT QGSLRSC Fails For Duplicate Splf	12/06/17	2A70058
	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.		
2A70012	FNT Unneeded TrueType Opens Failure	12/06/17	2A70058
	o Resolving TrueType fonts failed to check for existing resolved reference resulting in a stack overflow and failed processing.		
2A70013	FNT Clean Up Error	12/06/17	2A70061
	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.		
2A70014	PDF Uninitialized Pointer	12/06/17	2A70061
	o Uninitialized pointer caused clean up failure with MCH3601 under some error scenarios.		
2A70015	FNT Reissue Service Program	12/06/17	2A70058
	o Service program recompiled and reissued.		
2A70016	PDF Reissue Service Program	12/06/17	2A70061
	o Service program recompiled and reissued.		
2A70017	PDF Portrait90/Landscape90 Incorrect	12/06/17	2A70061
	o Portrait 90 and Landscape 90 orientation values on medium descriptors gave wrong		

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PTF ID	Description	Status mm/dd/yy	Superseded By
	results for *AFPDS spooled files. Orientation now derived from medium descriptor extents.		
2A70018	SUI WRKGSISPLF/WRKGSIOUTQ Slow Open 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.	12/07/17	2A70060
2A70019	PDS Page Buffer Functions Added 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.	12/06/17	2A70029
2A70020	FNT Retrive CCSID Function Added o New export allows retrieval of a font stack entry's opinion on the current effective ccsid.	12/06/17	2A70058
2A70021	TXT Procesing Improvements 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.	12/06/17	2A70030
2A70022	SAM Add *TXTNONBLANK Transform 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.	12/06/17	2A70053
2A70023	PDS Internal Mods To Increase Modularity o Internal modifications to increase modularity.	12/06/17	2A70029
2A70024	TXT Internal Mods To Increase Modularity o Internal modifications to increase modularity.	12/06/17	2A70030
2A70025	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.	12/06/17	2A70061
2A70026	PDS Page Buffer Handle DBCS ES!=x1301 o Page buffering enhanced to handle DBCS data with encoding schemes other than x1301.	12/06/17	2A70029
2A70027	FNT Always Produce Unicode Char Map o Processing enhanced to produce a unicode character map even in the absence of a code	12/06/17	2A70058

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PTF ID	Description	Status mm/dd/yy	Superseded By
	page *FNTRSC object.		
2A70028	PDS Uninitialized Variable	12/06/17	2A70029
	o Uninitialized variable causes *TXTxxx conversion failure when splitting the spooled file with PAGDTA() parameter.		
2A70029	PDS New Export	12/07/17	
	o New export added to improve space/memory management between service program and clients.		
2A70030	TXT *FORMDEF/Text Suppresion	12/07/17	
	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.		
2A70031	HTM Various Enhancements	12/07/17	
	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.		
2A70032	RTF Various Enhancements	12/07/17	
	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.		
	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.		
2A70033	SAM Enable HTM/RTF for *AFPDS	12/07/17	2A70053
	o Update conversion to enable *AFPDS processing by *HTMxxx and *RTFxxx transforms.		
2A70034	FNT Enhanced Equal CharSet Test	12/06/17	2A70058
	o Test for equal char sets enhanced to look at		

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PTF ID	Description	Status mm/dd/yy	Superseded By
	the underlying *FNTRSC and not the references, decreasing the number of false negatives.		
2A70035	PDF *FGID Imbed Changes	12/06/17	2A70061
	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.		
2A70036	SCS Invalid VCS Channel Ignored	12/07/17	
	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.		
2A70037	PID Message File Updates	12/07/17	
	o Add new application messages to message file for future enhancement.		
2A70038	PID Upgrade RTVGSIPTF Command	12/07/17	
	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 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		

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PTF ID	Description	Status mm/dd/yy	Superseded By
	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.		
2A70039	PDF Suppress DBCS *TYPE3 Imbedding	12/06/17	2A70061
	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.		
2A70040	FNT DBCS Length Calcs Corrected	12/06/17	2A70058
	o Length and positioning were miscalulated for DBCS characters when processed in the presence of font resources. The old, correct, behavior has been restored.		
2A70041	FNT New Function Export	12/06/17	2A70058
	o New export to allow retrieval of a font's Baseline Offset Default value.		
2A70042	PDF Correct Type3 Size For Mapping	12/06/17	2A70061
	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.		
2A70043	FNT Correct *PRV Signature	12/07/17	2A70058
	o Correct *PRV signature.		
2A70044	PTX Track Overstrike/Underscore Positions	12/07/17	
	o Added processing and macros to track and return start and end positions for overstrike and underscore.		
2A70045	PDF Re-implement Underscoring	12/07/17	2A70061
	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.		

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PTF ID	Description	Status mm/dd/yy	Superseded By
2A70046	FNT Improve Baseline Offset Default o Update Baseline Offset Default retrieval to use FND Nominal Height if it is larger than Baseline Extent Max.	12/07/17	2A70058
2A70047	PDF /A Validation Failing 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.	12/22/17	2A70061
2A70048	FNT mu/micro Naming Discrepancy 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.	04/09/18	2A70058
2A70049	FNT PDF/A Fails After mu/micro Fix o PDF/A processing fails after mu/micro fix with message ids FNT0028 and PDF0125. The error is corrected.	08/07/18	2A70058
2A70050	PID Update Field Fix Manager o Added field fix manager processing to delete resolved font resource users spaces, if requested by a PTF, in order to force regeneration.	08/24/18	
2A70051	FNT Remove Type1 Marker Fields 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 moved to QRPLOBJ during application of this PTF in order to force their recreation.	08/24/18	2A70058
2A70052	SPF Add System, Date/Time To Delete o Added system name and create date/time to delete function.	05/24/19	
2A70053	SAM Add System, Date/Time To Delete 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.	05/24/19	

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PTF ID	Description	Status mm/dd/yy	Superseded By
2A70054	PDF C/J/K SBCS Conversion Corrected	09/27/19	2A70061
	o C/J/K SBCS CCSIDs now converted correctly and presented with Adobe Asian Fonts.		
2A70055	PDF C/J/K DBCS COR Font Sizing	10/03/19	2A70061
	o C/J/K DBCS fonts were too large after COR was applied and overlapped vertically. Sizing is corrected and overlap removed.		
2A70056	FNT Font Table Update/DBCS Default	10/09/19	2A70058
	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.		
2A70057	FNT Multiple Messages Avoided	10/30/19	2A70058
	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.		
2A70058	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 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.		
2A70059	PDF Imbedded DBCS TrueType Now Searchable	02/05/20	2A70061
	o PDF files with imbedded DBCS TruType fonts are searchable. Previously /ToUnicode Cmap was omitted.		
2A70060	SUI WRKGSISPLF/WRKGSIOUTQ Slow Open	06/04/20	
	o Changed API strategy to improve initial screen performance with 100K+ spooled files.		
	o Changed API strategy to improve top/bottom performance with 100K+ spooled files.		
2A70061	PDF Incorrect AFPRSC default size	10/17/20	
	o Incorrect AFPRSC default sizing when size not specified.		

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