Glossary	
Image:	A digital representation of a a media sheet side.
Impression:	For a print job, an impression is the passage of the entire side of a sheet by the marker, whether or not any marks are made and independent of the number of passes that the side makes past the marker. Thus a four pass color process counts as a single impression, as does highlight color. Impression counters count all kinds: monochrome, highlight color, and full process color, while full color counters only count full color impressions, and high light color counters only count high light color impressions. One-sided processing involves one impression per sheet. Two-sided processing involves two impressions per sheet. If a two-sided document has an odd number of pages, the last sheet still counts as two impressions, if that sheet makes two passes through the marker or the marker marks on both sides of a sheet in a single pass. Two-up printing is the placement of two logical pages on one side of a sheet and so is still a single impression. An impression is a media sheet side that has passed by the marker.
N-up Number-up	The placement of two or more pages on one side of a sheet (i.e. impression) so that each side or impressions counts as N pages.
Page	A page is a logical division of the original source document. Number up (N-Up) is the imposition of more than one page on a single side of a sheet.
Sheet	A sheet is a single instance of a medium, whether printing on one or both sides of the medium.

Element Name	reference	
Description		
AuxiliaryImpressions		
The number of media sheet sides that pass by the marker that are not part of the (e.g. administration pages, error sheets, banner sheets, job reports, confirmation	27	
AuxiliaryBlackImpressions		
The number of impressions using only black colorant not part of the user's job	data	
AuxiliaryBlankImpressions		
The number of impressions that are not part of the user's job data for which no colorant is used. Note: Impressions that contain watermarks or forms are not counted as blank even if the watermark or form is not part of the job data.		
AuxiliaryFullColorImpressions		
The number of impressions that are not part of the user's job data for which or black colorants are used. This counter does not include HighlightColor (spot)		

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Element Name	reference		
Description			
AuxiliaryHighlightColorImpressions			
The number of impressions that are not part of the user's job data that u colorant. The image may also contain black colorant. Highlight color in only on devices that are highlight color capable.	` 1 /		
CopierImpressions			
The number of media sheet sides that pass by the marker when using the	ne device as a copi	er.	
CopierBlack Impressions			
The number of impressions using only black colorant when using the d	evice as a copier.		
Copier FullColorImpressions			
The number of impressions using one or more non-black colorants whe copier. The images may also contain black colorant. [This counter does HighlightColor (spot) impressions.] only in printer		e as a	
EmailInKOctets		Deleted: Ema	ilImagesSent
The data received when using the inbound E-mail service measured in	1024 8bit byte uńi	Deleted: num stock that are tra	ber of scanned sides of
EmaiInImpressions			
The number of media sheet sides that pass by the marker when using the emails and their attachments.	e device to print re	eceived	
EmaiInBlackImpressions		Deleted: Ema	ilBlackImagesSent
The number of impressions using only black colorant when using the de emails and their attachments. EmaiInBlankImpressions	evice to print recei	Deleted: The transmitted in B	number of images that lack and White or es when using a device
The number of impressions for which no colorant is placed on a side of using the device to print received emails and their attachments.	a piece of media v		ilBlankImages ISSUE counter?
Email <u>In</u> FullColorI <u>mpressions</u>		Deleted: mage	esSent
The number of impressions using one or more non-black colorants when received emails and their attachments. The images may also contain black EmailOutKOctets			number of scanned sic transmitted in color Email service.
	4 01:4 14:4-		
The data sent when using the outbound E-mail service measured in 102	4 8bit byte units.		
FaxInImages			
The number of images that are received by the device's Public Service (PSTN)Fax service.	l'elephone Networ	k	
FaxInBlackImages			
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	1	Deleted: 8	

Element Na	ne	reference	
Desci	iption	•	
	umber of images that are received by the device's PSTN Fax service in cale Modes.	n Black and White or	
FaxInFullCo	orImages		
The n	imber of images that are received by the device's PSTN fax service in	Full Color Mode.	
FaxInImpres	sions		
	umber of media sheet sides that pass by the marker when using the devel faxes.	vice to print PSTN	
FaxInBlackl	mpressions		
	umber of impressions using only black colorant when using the device ed faxes.	to print PSTN	
FaxInBlank	mpressions		
using	imber of impressions for which no colorant is placed on a side of a picture device to print PSTN received faxes.	ece of media when	
	lorImpressions		
	<u>imber</u> of impressions using one or more non-black colorants when usi fax machine for received faxes. The images may also contain black co		The number
FaxOutImag	es		
The n	umber of images that are sent by the device's PSTN Fax service.		
FaxOutBlac	Images		
	imber of images that are transmitted when using a device's PSTN fax or Grayscale Modes.	service in Black and	
FaxOutFull(olorImages		
The n	imber of images that are transmitted when using a device's PSTN fax	Deleted: F	ileOutImages ISSUE:
Maintenance	Impressions	data	ppropriate metric for str
The n	umber of media sheet sides that pass by the marker while the device is	in service mode.	
Maintenance	BlackImpressions		
The n	umber of impressions using only black colorant while the device is in	service mode.	
Maintenance	BlankImpressions		
devic	umber of impressions for which no colorant is placed on a side of a pie is in service mode.	ece of media while the	
Maintenance	FullColorImpressions	Deleted: 2	
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Last Update	1 1/2 <mark>9/</mark> 04 v0.0 <u>9</u> page	2 3 01 / /	

Elem	ent Name reference
	Description
	The number of impressions using only color colorant while the device is in service mode. The counter does not include HighlightColor (spot) impressions.
Main	tenanceHighlightColorImpressions
	The number of impressions that have an image that uses one (spot) non-black colorant while device is in service mode. The image may also contain black colorant. Highlight color impressions are produced only on devices that are highlight color capable.
Netw	orkFaxInImages
	The number of images that are received by the device's Network Fax service.
Netw	orkFaxInBlackImages
	The number of images that are received by the device's network Fax service in Black and Wlor Grayscale Modes.
Netw	orkFaxInFullColorImages
	The number of images that are received by the device's network fax service in Full Color Mo
Netw	orkFaxInImpressions
	The number of media sheet sides that pass by the marker when using the device to print netw received faxes.
Netw	orkFaxInBlackImpressions
	The number of impressions using only black colorant when using the device to print network received faxes.
Netw	orkFaxInBlankImpressions
	The number of impressions for which no colorant is placed on a side of a piece of media whe using the device to print network received faxes.
Netw	orkFaxInFullColorImpressions
	The number of impressions using one or more non-black colorants when using the device as network fax machine for received faxes. The images may also contain black colorant. T
Netw	orkFaxOutImages
	The number of images that are sent by the device's network Fax service.
letw	orkFaxOutBlackImages
	The number of images transmitted when using a device's network Fax service in Black and V or Grayscale Modes.
Netw	orkFaxOutFullColorImages
	The number of images that are transmitted when using a device's network fax service in Full Color Mode.
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Elem	ent Name	reference
	Description	
	The total number of impressions that have an image that uses one or more nor The image may also contain black colorant. This counter does not include Hig impressions.	
Total	HighlightColorImpressions	
	The total number of impressions that have an image that uses one (spot) non-limage may also contain black colorant. Highlight color impressions are produthat are highlight color capable.	
Total	Sheets	
	The total number of pieces of stock that have passed by the marker, independent that initiated the job.	ent of the service
Total	BlankSheets	
	The total number of pieces of stock on which no colorant is placed on either s media. Note: Sheets that contain watermarks or forms are not counted as blan watermark or form is not part of the job data.	
Total	TwoSidedSheets	
	The total number of media on which impressions are placed on both sides of t independent of the service that initiated the job.	he stock,
Total	BlackTwoSidedSheets	
	The total number of pieces of stock on which only black images are placed on stock, independent of the service that initiated the job.	both sides of the
Total	FullColorTwoSidedSheets	
	The total number of pieces of stock on which images that use one or more nor placed on both sides of the stock, independent of the service that initiated the also contain black colorant. This counter does not include HighlightColor (specific points) and the stock of the stock of the service that initiated the service that initiated the stock of the service that initiated t	job. The image may
Γotal	HighlightColorTwoSided Sheets	
	The total number of pieces of stock on which images that use one (spot) non-placed on both sides of the stock, independent of the service that initiated the may also contain black colorant.	
<u> Fotal</u>	ScanImages ScanImage ScanImages S	
	The total number of scanned sides of stock . (i.e. includes Copy, Fax, Network etc.)	kFax, ScanToFile
Total	ScanBlackImages	
	The total number of scanned sides of stock scanned in Black and White or graincludes Copy, Fax, NetworkFax, ScanToFile etc.)	yscale Modes. (i.e.
	ScanFullColorImages	Deleted

Elen	nent Name	reference
	Description	
	The total number of scanned sides of stock scanned in full color mode. (i.e. in NetworkFax, ScanToFile etc.)	ncludes Copy, Fax,
Tota	lLocalFileKOctets	
	The total amount of data stored to the local file system. (i.e. includes Copy & ScanToFile etc.)	save, FaxIn saved,
Total	<u>INetworkFileKOctets</u>	
	The total amount of data stored to a remote file system. (i.e. includes Copy & ScanToFile etc.)	save, FaxIn saved,
Proc	essingTime	
	Lifetime (seconds) counter, that the device or service has been engaged in sor "processing". Processing can include receiving and buffering data or resource job or as a resource download, ripping, imaging, finishing etc. Responding to queries should not be considered processing unless management and job proteindistinguishable. A simple way to tally ProcessingTime is to mark the tick at "processing", accumulate these differences and compare against the running processingTime is intended to be a low overhead metric that enables (via inveigle time. This information can be useful for capacity planning in a managed	es either as part of a management ocols are t the start and end of power-on counter. erse) calculation of
Dow	nTime	
	Lifetime (seconds) counter, that the device or service has existed with an error intervention or preventing operation of all or part of the device. (Do we need ScannerDownTime, etc?). A simple way to tally DownTime is to mark the tict trailing edges of an event, accumulate these differences and compare against on counter. DownTime is intended to be a low overhead metric that enables (calculation of availability time. This information can be useful for service lev managed environment.	PrinterDownTime, k at the leading and the running power- via inverse)
Mair	ntenanceTime	
	Lifetime (seconds) counter, that the device or service has existed in a condition maintenance personnel have logged-in via whatever mechanism they do so for (Maintenance time may be hard to calculate for a "service"). A simple way to MaintenanceTime is to mark the tick when personnel logs in and out, accumulatifierences and compare against the running power-on counter. Maintenance for service level validation in a managed environment.	or that device. • tally • tale these

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EmailBlankImages ISS	UE: Do we want this counter?		
The number of bl	ank images that are transmitted when	using a device's e-mail service.	
Page 3: [2] Deleted	Peter Zehler	1/29/2004 10:45 AM	
FileOutImages ISSUE:	Is images the appropriate metric for st	oring data	
Number of image	es that are stored locally or remotely		
FileOutBlackImages IS:	SUE: Does B&W/Color make a different	ence when storing	
images			
Black and white	or greyscale images that are stored loca	ally or remotely	
FileOutFullColorImages	sSent		
Color images tha	t are stored locally or remotely		