Glossary	
Image:	A digital representation of 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.

Counters: Quick list of counters see below for descriptions			
Service	AuxiliaryImpressions AuxiliaryBlackImpressions AuxiliaryBlankImpressions		
<b>Counters</b> :	AuxiliaryFullColorImpressions AuxiliaryHighlightColorImpressions CopierImpressions		
counts for a	CopierBlackImpressions CopierFullColorImpressions EmailInKOctets		
single service	EmaiInImpressions EmaiInBlackImpressions EmaiInBlankImpressions		
often with	EmailInFullColorImpressions EmailOutKOctets FaxInImages FaxInBlackImages		
sub-counts	FaxInFullColorImages FaxInImpressions FaxInBlackImpressions		
for color	FaxInBlankImpressions FaxInFullColorImpressions FaxOutImages FaxOutBlackImages		
usage	FaxOutFullColorImages MaintenanceImpressions MaintenanceBlackImpressions		
	MaintenanceBlankImpressions MaintenanceFullColorImpressions		
	MaintenanceHighlightColorImpressions NetworkFaxInImages		
	NetworkFaxInBlackImages NetworkFaxInFullColorImages NetworkFaxInImpressions		
	NetworkFaxInBlackImpressions NetworkFaxInBlankImpressions		
	NetworkFaxInFullColorImpressions NetworkFaxOutImages		
	NetworkFaxOutBlackImages TransformServiceFullColorKOctets		
	NetworkFaxOutFullColorImages PrintImpressions PrintBlackImpressions		

Counters: Quick list of counters see below for descriptions		
	PrintBlankImpressions PrintFullColorImpressions PrintHighlightColorImpressions ScanToStorageImages ScanToStorageBlackImages ScanToStorageFullColorImages	
Total Counters: cumulative counts across multiple services	TotalImpressions TotalBlackImpressions TotalBlankImpressions TotalFullColorImpressions TotalHighlightColorImpressions TotalScanImages TotalScanBlackImages TotalScanFullColorImages TotalSheets TotalBlackSheets TotalBlankSheets TotalFullColorSheets TotalHighlightColorSheets TotalLocalStorageKOctets TotalRemoteStorageKOctets	
Availability Counters:	DownTime MaintenanceTime ProcessingTime TotalTime TotalThresholdMarkExceeded	
Provide a measure of time device is available for use	Optional: CopierDownTime EmailDownTime FaxInDownTime FaxOutDownTime NetworkFaxInDownTime NetworkFaxOutDownTime PrintDownTime ScanToStorageDownTime TransformDownTime CopierMaintenanceTime EmailMaintenanceTime FaxInMaintenanceTime FaxOutMaintenanceTime NetworkFaxInMaintenanceTime NetworkFaxOutMaintenanceTime PrintMaintenanceTime ScanToStorageMaintenanceTime TransformMaintenanceTime CopierProcessingTime EmailProcessingTime FaxInProcessingTime FaxOutProcessingTime NetworkFaxInProcessingTime NetworkFaxOutProcessingTime PrintProcessingTime EmailTotalTime FaxInTotalTime TransformProcessingTime NetworkFaxInTotalTime NetworkFaxOutTotalTime PrintTotalTime ScanToStorageTotalTime NetworkFaxOutTotalTime PrintTotalTime ScanToStorageTotalTime TransformTotalTime	

Element Name	reference
Description	
AuxiliaryImpressions	
The number of media sheet sides that pass by the marker that are not part of (e.g. administration pages, error sheets, banner sheets, job reports, confirmation pages, error sheets, banner sheets, job reports, confirmation	•
AuxiliaryBlackImpressions	
The number of impressions using only black colorant not part of the user's jo	b data
AuxiliaryBlankImpressions	
The number of impressions that are not part of the user's job data for which is Note: Impressions that contain watermarks or forms are not counted as blank watermark or form is not part of the job data.	
AuxiliaryFullColorImpressions	

Element Name		reference
	Description	
	The number of impressions that are not part of the user's job data for which o black colorants are used. This counter does not include HighlightColor (spot)	
Auxi	liaryHighlightColorImpressions	
Coni	The number of impressions that are not part of the user's job data that uses or colorant. The image may also contain black colorant. Highlight color impress only on devices that are highlight color capable.	
Copi	erImpressions	·
~ .	The number of media sheet sides that pass by the marker when using the dev	ice as a copier.
Copi	erBlackImpressions	
	The number of impressions using only black colorant when using the device	as a copier.
Copi	erFullColorImpressions	
	The number of impressions using one or more non-black colorants when using copier. The images may also contain black colorant. [This counter does not in HighlightColor (spot) impressions.] only in printer	
Ema	ilInKOctets	
	The data received when using the inbound E-mail service measured in 1024	8bit byte units.
Ema	InImpressions	
	The number of media sheet sides that pass by the marker when using the deviewails and their attachments.	ce to print received
Ema	iInBlackImpressions	
	The number of impressions using only black colorant when using the device temails and their attachments.	to print received
Ema	iInBlankImpressions	
	The number of impressions for which no colorant is placed on a side of a piecusing the device to print received emails and their attachments.	ce of media when
Ema	ilInFullColorImpressions	
	The number of impressions using one or more non-black colorants when usin received emails and their attachments. The images may also contain black colorants	
Ema	lOutKOctets	
	The data sent when using the outbound E-mail service measured in 1024 8bit	byte units.
FaxI	nImages	
	The number of images that are received by the device's Public Service Teleph (PSTN)Fax service.	none Network

Element Name	reference
Description	
FaxInBlackImages	
The number of images that are received by the device's PSTN Fax service in Grayscale Modes.	Black and White or
FaxInFullColorImages	
The number of images that are received by the device's PSTN fax service in F	Full Color Mode.
FaxInImpressions	
The number of media sheet sides that pass by the marker when using the device received faxes.	ce to print PSTN
FaxInBlackImpressions	
The number of impressions using only black colorant when using the device to received faxes.	o print PSTN
FaxInBlankImpressions	
The number of impressions for which no colorant is placed on a side of a piecusing the device to print PSTN received faxes.	e of media when
FaxInFullColorImpressions	
The number of impressions using one or more non-black colorants when using PSTN fax machine for received faxes. The images may also contain black colorants	
FaxOutImages	
The number of images that are sent by the device's PSTN Fax service.	
FaxOutBlackImages	
The number of images that are transmitted when using a device's PSTN fax so White or Grayscale Modes.	ervice in Black and
FaxOutFullColorImages	
The number of images that are transmitted when using a device's PSTN fax so Mode.	ervice in Full Color
MaintenanceImpressions	
The number of media sheet sides that pass by the marker while the device is in	n service mode.
MaintenanceBlackImpressions	
The number of impressions using only black colorant while the device is in se	rvice mode.
MaintenanceBlankImpressions	
The number of impressions for which no colorant is placed on a side of a piec device is in service mode.	e of media while the

Description	
MaintenanceFullColorImpressions	
The number of impressions using only color colorant while the device is in scounter does not include HighlightColor (spot) impressions.	service mode. This
MaintenanceHighlightColorImpressions	
The number of impressions that have an image that uses one (spot) non-blac device is in service mode. The image may also contain black colorant. Highlimpressions are produced only on devices that are highlight color capable.	
NetworkFaxInImages	
The number of images that are received by the device's Network Fax service	e. -
NetworkFaxInBlackImages	
The number of images that are received by the device's network Fax service or Grayscale Modes.	in Black and White
NetworkFaxInFullColorImages	
The number of images that are received by the device's network fax service	in Full Color Mode.
NetworkFaxInImpressions	
The number of media sheet sides that pass by the marker when using the development of received faxes.	vice to print network
NetworkFaxInBlackImpressions	
The number of impressions using only black colorant when using the device received faxes.	to print network
NetworkFaxInBlankImpressions	
The number of impressions for which no colorant is placed on a side of a pieusing the device to print network received faxes.	ece of media when
NetworkFaxInFullColorImpressions	
The number of impressions using one or more non-black colorants when usi network fax machine for received faxes. The images may also contain black	_
NetworkFaxOutImages	
The number of images that are sent by the device's network Fax service.	1
NetworkFaxOutBlackImages	
The number of images transmitted when using a device's network Fax service or Grayscale Modes.	ce in Black and White
NetworkFaxOutFullColorImages	

Element Name	reference
Description	
The number of images that are transmitted when using a device's network fax Color Mode.	service in Full
PrintImpressions	
The number of media sheet sides that pass by the marker when using the device	ce as a printer.
PrintBlackImpressions	
The number of impressions using only black colorant when using the device as	s a printer.
PrintBlankImpressions	
The number of impressions for which no colorant is placed on a side of a piece using the device as a printer.	e of media when
PrintFullColorImpressions	
The number of impressions using one or more non-black colorants when using printer. The images may also contain black colorant. This counter does not inc HighlightColor (spot) impressions.	
PrintHighlightColorImpressions	
The number of impressions that have an image that uses one (spot) non-black using the device as a printer. The image may also contain black colorant. High impressions are produced only on devices that are highlight color capable.	
ScanToStorageImages	
The number of sides of stock scanned in and stored locally or remotely.	
ScanToStorageBlackImages	
The number of sides of stock scanned in Black and White or grayscale Modes or remotely.	and stored locally
ScanToStorageFullColorImages	
The number of sides of stock scanned in full color mode and stored locally or	remotely.
TransformServiceKOctets	
The amount of data that have been processed by the device's Transform service	ce.
TransformServiceBlackKOctets	
The amount of data that have been processed by the device's Transform service. White or Grayscale Modes.	ce in Black and
TransformServiceFullColorKOctets	
The amount of data that have been processed by the device's Transform service Mode.	ce in Full Color
TotalImpressions	

Elem	Element Name	
	Description	
	The total number of media sheet sides that pass by the marker.	
Total	BlackImpressions	
	The total number of impressions that have an image using black colorant only is made between black and white and gray scale.	. No differentiation
Total	BlankImpressions	
	The total number of impressions for which no colorant is placed on a side of a Note: Impressions that contain watermarks or forms are not counted as blank watermark or form is not part of the job data.	
Total	FullColorImpressions	
	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.	
Totals	ScanImages	
	The total number of scanned sides of stock . (i.e. includes Copy, Fax, Network ScanToStorage etc.)	kFax,
Totals	ScanBlackImages	
	The total number of scanned sides of stock scanned in Black and White or graincludes Copy, Fax, NetworkFax, ScanToStorage etc.)	yscale Modes. (i.e.
Totals	ScanFullColorImages	
	The total number of scanned sides of stock scanned in full color mode. (i.e. in NetworkFax, ScanToStorage etc.)	cludes Copy, Fax,
Totals	Sheets	
	The total number of pieces of stock that have passed by the marker, independent that initiated the job. Note: total two sided sheets can be derived by subtracting TotalImpressions	
Total	BlackSheets	
	The total number of pieces of stock on which only black colorant is placed on piece of media, independent of the service that initiated the job. Note: total to sheets can be derived by subtracting TotalBlackSheets from TotalBlackImpre	vo sided black
Total	BlankSheets	

Element Name		reference
Γ	Description	
n	The total number of pieces of stock on which no colorant is placed on either standard, independent of the service that initiated the job. Note: Sheets that conforms are not counted as blank even if the watermark or form is not part of the	tain watermarks or
TotalFu	llColorSheets	
S	The total number of pieces of stock on which one or more non-black colorant ide of a piece of media, independent of the service that initiated the job. Note lack sheets can be derived by subtracting TotalFullColorSheets from TotalFullColorSheets from TotalFullColorSheets from TotalFullColorSheets from TotalFullColorSheets from TotalFullColorSheets	e: total two sided
TotalHi	ghlightColorSheets	
s: b	The total number of pieces of stock on which one (spot) non-black colorant is ide of a piece of media, independent of the service that initiated the job. Note lack sheets can be derived by subtracting TotalHighlightColorSheets from TotalHighlightColorImpressions	-
TotalLo	calStorageKOctets	
	The total amount of data stored to the local file system of the device. (i.e. inclars and saved, ScanToStorage etc.)	udes Copy & save,
TotalRe	moteStorageKOctets	
	The total amount of data stored to a remote file system. (i.e. includes Copy & canToStorage etc.)	save, FaxIn saved,
TotalTh	resholdMarkExceeded	
tl	The total of times the local storage has exceeded an implementation dependent reshold is recommended to be 80% of the storage space. This counter may ampened) to handle brink conditions.	
DownT	ime	
in is c e	difetime (seconds) counter, that the device or service has existed with an error entervention or preventing operation of all or part of the device. A simple way so to mark the tick at the leading and trailing edges of an event, accumulate the compare against the TotalTime counter. DownTime is intended to be a low or nables (via inverse) calculation of availability time. This information can be evel validation in a managed environment.	to tally DownTime ese differences and verhead metric that
Mainter	nanceTime	

Element Name	reference
Description	
Lifetime (seconds) counter, that the device or service has existed in a comaintenance personnel have logged-in via whatever mechanism they do (Maintenance time may be hard to calculate for a "service"). A simple with Maintenance Time is to mark the tick when personnel logs in and out, act differences and compare against the running power-on counter. Maintenfor service level validation in a managed environment.	so for that device.  vay to tally  cumulate these
ProcessingTime	
Lifetime (seconds) counter, that the device or service has been engaged "processing". Processing can include receiving and buffering data or resign job or as a resource download, ripping, imaging, finishing etc. Responding queries should not be considered processing unless management and job indistinguishable. A simple way to tally ProcessingTime is to mark the t "processing", accumulate these differences and compare against the run ProcessingTime is intended to be a low overhead metric that enables (vi idle time. This information can be useful for capacity planning in a man	sources either as part of a sing to management of protocols are cick at the start and end of ning power-on counter. a inverse) calculation of
TotalTime	
Lifetime (seconds) counter, that the device or service has been "up". The MaintenaceTime, ProcessingTime and the time the printer is idle. Note derived by subtracting DownTime, MaintenaceTime and ProcessingTime.	that idle time can be
CopierDownTime	
Lifetime (seconds) counter, that the copier service has existed with an end or preventing operation of all or part of the service. (See DownTime for	
EmailDownTime	
Lifetime (seconds) counter, that the Email service has existed with an er or preventing operation of all or part of the service. (See DownTime for	
FaxInDownTime	
Lifetime (seconds) counter, that the FaxIn service has existed with an er or preventing operation of all or part of the service. (See DownTime for	
FaxOutDownTime	
Lifetime (seconds) counter, that the FaxOut service has existed with an intervention or preventing operation of all or part of the service. (See Dodetails)	1 0
NetworkFaxInDownTime	
Lifetime (seconds) counter, that the NetworkFaxIn service has existed we intervention or preventing operation of all or part of the service. (See Dedetails)	1 0

Element Name		reference
	Description	
Netv	workFaxOutDownTime	
	Lifetime (seconds) counter, that the NetworkFaxOut service has existed with intervention or preventing operation of all or part of the service. (See DownT details)	1 0
Prin	tDownTime	
	Lifetime (seconds) counter, that the Print service has existed with an error recommendation of all or part of the service. (See DownTime for additional contents of the service) and the service of the service of the service.	
Scar	ToStorageDownTime	
	Lifetime (seconds) counter, that the ScanToStorage service has existed with a intervention or preventing operation of all or part of the service. (See DownT details)	1 0
Trar	sformDownTime	
	Lifetime (seconds) counter, that the Transform service has existed with an errintervention or preventing operation of all or part of the service. (See DownT details)	1 0
Cop	ierMaintenanceTime	
	Lifetime (seconds) counter, that the copier service has existed in a condition of personnel have logged-in via whatever mechanism they do so for that device. MaintenanceTime for additional details)	
Ema	ilMaintenanceTime	
	Lifetime (seconds) counter, that the Email service has existed in a condition of personnel have logged-in via whatever mechanism they do so for that device. MaintenanceTime for additional details)	
Fax	nMaintenanceTime	
	Lifetime (seconds) counter, that the FaxIn service has existed in a condition version personnel have logged-in via whatever mechanism they do so for that device. MaintenanceTime for additional details)	
Fax	OutMaintenanceTime	
	Lifetime (seconds) counter, that the FaxOut service has existed in a condition personnel have logged-in via whatever mechanism they do so for that device. MaintenanceTime for additional details)	
Netv	workFaxInMaintenanceTime	
	Lifetime (seconds) counter, that the NetworkFaxIn service has existed in a comaintenance personnel have logged-in via whatever mechanism they do so for MaintenanceTime for additional details)	

Element Name		reference
	Description	
Netv	vorkFaxOutMaintenanceTime	
	Lifetime (seconds) counter, that the NetworkFaxOut service has existed in a comaintenance personnel have logged-in via whatever mechanism they do so for MaintenanceTime for additional details)	
Print	MaintenanceTime	
	Lifetime (seconds) counter, that the Print service has existed in a condition w personnel have logged-in via whatever mechanism they do so for that device. MaintenanceTime for additional details)	
Scan	ToStorageMaintenanceTime	
	Lifetime (seconds) counter, that the ScanToStorage service has existed in a comaintenance personnel have logged-in via whatever mechanism they do so for MaintenanceTime for additional details)	
Tran	sformMaintenanceTime	
	Lifetime (seconds) counter, that the Transform service has existed in a condit maintenance personnel have logged-in via whatever mechanism they do so for MaintenanceTime for additional details)	
Copi	erProcessingTime	
	Lifetime (seconds) counter, that the copier service has been engaged in some "processing". (See ProcessingTime for additional details)	form of
Ema	ilProcessingTime	
	Lifetime (seconds) counter, that the Email service has been engaged in some "processing". (See ProcessingTime for additional details)	form of
FaxI	nProcessingTime	
	Lifetime (seconds) counter, that the FaxIn service has been engaged in some "processing". (See ProcessingTime for additional details)	form of
FaxC	DutProcessingTime	
	Lifetime (seconds) counter, that the FaxOut service has been engaged in some "processing". (See ProcessingTime for additional details)	e form of
Netv	vorkFaxInProcessingTime	
	Lifetime (seconds) counter, that the NetworkFaxIn service has been engaged "processing". (See ProcessingTime for additional details)	in some form of
Netv	vorkFaxOutProcessingTime	
	Lifetime (seconds) counter, that the NetworkFaxOut service has been engage "processing". (See ProcessingTime for additional details)	d in some form of

Element Name	reference
Description	
PrintProcessingTime	
Lifetime (seconds) counter, that the Print service has been engaged in some for (See ProcessingTime for additional details)	rm of "processing".
ScanToStorageProcessingTime	
Lifetime (seconds) counter, that the ScanToStorage service has been engaged in "processing". (See ProcessingTime for additional details)	in some form of
TransformProcessingTime	
Lifetime (seconds) counter, that the Transform service has been engaged in sor "processing". (See ProcessingTime for additional details)	me form of
CopierTotalTime	
Lifetime (seconds) counter, that the copier service has been "up". (See TotalT details)	ime for additional
EmailTotalTime	
Lifetime (seconds) counter, that the Email service has been "up". (See TotalTi details)	me for additional
FaxInTotalTime	
Lifetime (seconds) counter, that the FaxIn service has been "up". (See TotalTit details)	me for additional
FaxOutTotalTime	
Lifetime (seconds) counter, that the FaxOut service has been "up". (See Total7 details)	Γime for additional
NetworkFaxInTotalTime	
Lifetime (seconds) counter, that the NetworkFaxIn service has been "up". (See additional details)	e TotalTime for
NetworkFaxOutTotalTime	
Lifetime (seconds) counter, that the NetworkFaxOut service has been "up". (Seadditional details)	ee TotalTime for
PrintTotalTime	
Lifetime (seconds) counter, that the Print service has been "up". (See TotalTin details)	ne for additional
ScanToStorageTotalTime	
Lifetime (seconds) counter, that the ScanToStorage service has been "up". (Se additional details)	e TotalTime for

Element Name		reference	
	Description		
TransformTotalTime			
	Lifetime (seconds) counter, that the Transform service has been "up". (See TotalTime for additional details)		