Comparison of IPP SIX and Cloud Imaging Model Operations

IPP Operation	Cloud Model Operation		
Acknowledge-Document	AcknowledgeDocument	same	
Acknowledge-Job	AcknowledgeJob	same	
Cancel-Subscription			
Create-Job-Subscriptions			
Create-Printer-Subscriptions			
Fetch-Document	FetchDocument	same	
Fetch-Job	FetchJob	same	
Get-Document-Attributes			
Get-Documents			
Get-Job-Attributes			
Get-Jobs	GetFetchableJobs	same	
Get-Notifications	GetServiceNotifications	similar	
Renew-Subscription			
Set-Output-Device-Attributes	InitializeService	Similar functions. Initialize is done during System Registration	
Update-Document-State	UpdateDocumentState	same	
Update-Job-State	UpdateJobState	same	
Update-Output-Device-State	UpdateServiceElements	Includes elements beyond state	
Acknowledge-Identify-Printer		Included in	
		GetServiceNotifications	
Reset-Fetchable-Jobs	SynchonizeJobsStates	similar	
	RegisterSystem		
	DeregisterSystem		
	UploadJobDocumentData		
	UpdateSystemElements		
	GetTerminatedJobsStates	Supports synchronization	

SynchronizeJobsStates = The proxy communicates active jobs and their states to the Cloud, and terminated jobs retained in History.

GetTerminatedJobsStates = The proxy requests the Cloud Service to identify all jobs which have been terminated by an action other than from the Proxy.

Following table identifies action in response to SynchonizeJobsStates. Active Jobs from the Cloud viewpoint are jobs which have been acknowledged as being fetched (AcknowledgeJob received) but for which an UpdateJobState message indicating a Job termination state has not been received. Active Jobs from the Proxy viewpoint are jobs which have been acknowledged as being fetched (response to AcknowledgeJob received) but for which an UpdateJobState message indicating a Job termination state has not been sent.

Table 2 - Resolution of Disparate Job Fetch Status in Response to SynchonizeJobsStates

Cloud Believes	Proxy Reports	Action	
Job Fetched & Active	Job Listed	Job State determined by Local Service- see table below	
Job Fetched & Active	Job Not Listed	Make job fetchable	
Job Fetched & Not Active	Job Listed & Not Active	none	
Job Fetched & Not Active	Job Not Listed	none	
Job Fetched & Not Active	Job Listed & Active	Cloud reports error. Proxy Sends GetTerminatedJobsStat es	
Job Not Fetched	Job Listed	Cloud reports error	

Table 4 - Resolution of Disparate Job States

Cloud Job State	Local Job State	Proxy Action	Final Local Job State
Pending,.PendingHeld, Processing, ProcessingStopped	Aborted, Canceled, Completed	UpdateJobState	Local Job State
Pending, PendingHeld, Processing, ProcessingStopped	Pending, PendingHeld, Processing, ProcessingStopp ed	UpdateJobState	Local Job State
Aborted, Canceled, Completed	anything	Change local Job State	Cloud Job State