

**PWG  
TRANSFORM INTERFACE**

**Strawman Proposal  
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**<ftp://ftp.pwg.org/pub/pwg/BOFs/tfm/tfmslide-20040816.pdf>**

# **SUMMARY**

- \* 1 new object - Transformer - analogous to Printer object in IPP/1.1 and SM/1.0**
- \* 1 interface - with capabilities, job creation, and job cancel - PSI has 4 interfaces**
- \* 9 operations - all REQUIRED for both Client and Transformer - PSI has 33 operations**
- \* no extraneous Printer object elements in interface - clean model of Transformer**
- \* no Job or Document processing elements (only Job/Document description allowed)**

## **GetTransformerElements**

**GetTransformerElements (requestedElements : RequestedElements)  
statusString : StatusString,  
unsupportedElements : UnsupportedElements,  
transformer : Transformer**

***This operation allows a Client to query a Transformer for requested elements of the Transformer (e.g., capabilities and defaults).***

## **CreateJob**

**CreateJob (requestedDocumentFormatDetails :  
documentFormatDetails,  
jobDescription : JobDescription)  
statusString : StatusString,  
unsupportedElements : UnsupportedElements,  
jobId : int**

***This operation allows a Client to create a new Job instance on this Transformer.***

## **CloseJob**

**CloseJob (jobId : int)  
statusString : StatusString**

***This operation allows a Client to close an open Job instance on this Transformer (i.e., to schedule the Job for processing).***

## **GetJobElements**

**GetJobElements (jobId : int,  
requestedElements : RequestedElements)  
statusString : StatusString,  
unsupportedElements : UnsupportedElements,  
job : Job**

***This operation allows a Client to query a  
Transformer for requested elements of the specified  
Job object.***

## **CancelJob**

**CancelJob (jobId : int)  
statusString : StatusString**

***This operation allows a Client to cancel a Job instance on this Transformer (i.e., to abandon the Job).***

## **AddDocumentByReference**

**AddDocumentByReference (jobId : int,  
referenceURI : URI,  
documentDescription : DocumentDescription)  
statusString : StatusString,  
unsupportedElements : UnsupportedElements,  
documentNumber : int**

***This operation allows a Client to add a new Document instance to the specified Job instance on this Transformer.***



# FetchDocumentDataByPull

**FetchDocumentDataByPull (jobId : int,  
documentNumber : int)  
statusString : StatusString,  
dataSourceURIs : DataSourceURIs**

*This operation allows a Client to retrieve a list of one or more sources of transformed document data for the Document instance of the specified Job instance on this Transformer.*

## **GetDocumentElements**

**GetDocumentElements (jobId : int,  
documentNumber : int,  
requestedElements : RequestedElements)  
statusString : StatusString,  
unsupportedElements : UnsupportedElements,  
job : Job**

***This operation allows a Client to query a Transformer for requested elements of the specified Document object.***

## **CancelDocument**

**CancelDocument (jobId : int,  
documentNumber : int)  
statusString : StatusString**

***This operation allows a Client to cancel a Document instance within the specified Job instance on this Transformer (i.e., to abandon the Document).***