

1 **1. Mapping JDF Attributes to PWG Print Job Ticket Elements**

2 JDF attributes are encoded as XML attributes in XML schema instances – instead of as  
 3 XML elements like the PWG Print Job Ticket (PJT) – this complicates mapping  
 4 implementations. JDF attributes are defined in the CIP4 JDF Specification Release 1.4a  
 5 [CIP4JDF] and profiled for various printing environments in a series of CIP4 ICS  
 6 (Interoperability Conformance Specification) documents, in particular the CIP4 Integrated  
 7 Digital Printing (IDP) ICS v1.3 [CIP4IDP].

8 **Table 1 - JDF Attributes to PWG Print Job Ticket Elements**

<b>JDF Attribute Name</b>	<b>PWG Print Job Ticket Element Name</b>
DocumentCompression	CompressionSupplied
SetCopies	Copies
Covers (Media, Sides, etc.) CoverType="Back" Media MediaType Media	CoverBack CoverType Media MediaType MediaCol
Covers (Media, Sides, etc.) CoverType="Front" Media MediaType Media	CoverFront CoverType Media MediaType MediaCol
CoverType	CoverType
<none>	DocumentCharsetSupplied
DocCopies	DocumentCopies
<none>	DocumentDigitalSignatureSupplied
MimeType	DocumentFormat
FileSpec <none> <none> <none> <none> MimeType DeviceID MimeTypeVersion DocumentNaturalLang	DocumentFormatDetailsSupplied DocumentSourceApplicationName DocumentSourceApplicationVersion DocumentSourceOsName DocumentSourceOsVersion DocumentFormat DocumentFormatDeviceId DocumentFormatVersion DocumentNaturalLanguage
DeviceID	DocumentFormatDeviceId
MimeType	DocumentFormatSupplied
MimeTypeVersion	DocumentFormatVersion
MimeTypeVersion	DocumentFormatVersionSupplied
CustomerMessage	DocumentMessageSupplied
DocNames	DocumentNameSupplied

<b>JDF Attribute Name</b>	<b>PWG Print Job Ticket Element Name</b>
<i>DocumentNaturalLang</i>	<i>DocumentNaturalLanguage</i>
<i>DocIndex</i>	<i>DocumentNumbers</i>
<none>	<i>DocumentSourceApplicationName</i>
<none>	<i>DocumentSourceApplicationVersion</i>
<none>	<i>DocumentSourceOsName</i>
<none>	<i>DocumentSourceOsVersion</i>
Orientation	FeedOrientation
Stapling, Stitching, Binding, etc.	Finishings
Stapling, Stitching, Binding, etc. Stapling, Stitching, Binding, etc. Stitching ReferenceEdge Offset StitchPositions	FinishingsCol FinishingTemplate Stitching StitchingReferenceEdge StitchingOffset StitchingLocations
Stapling, Stitching, Binding, etc.	FinishingTemplate
PreferredFont	FontNameRequested
FontSize	FontSizeRequested
ForceFrontSide	ForceFrontSide
Layout	ImpositionTemplate
<none>	Impressions
<i>RunList@Pages</i>	<i>InsertAfterPageNumber</i>
<i>RunList@PageCopies</i>	<i>InsertCount</i>
InsertSheet InsertSheet RunList@Pages RunList@PageCopies Media MediaType Media	InsertSheet ISheet InsertAfterPage InsertCount Media MediaType MediaCol
BillingCode	JobAccountingID
<none>	<i>JobAccountingOutputBin</i>
InsertSheet@SheetType= "AccountingSheet" <none> Media MediaType Media OutputBin	JobAccountingSheets JobAccountingSheetsType Media MediaType MediaCol JobAccountingOutputBin
<none>	<i>JobAccountingSheetsType</i>
CustomerInfo@CustomerID	JobAccountingUserID
SetCopies	JobCopies

<b>JDF Attribute Name</b>	<b>PWG Print Job Ticket Element Name</b>
Covers (Media, Sides, etc.) CoverType="Back" Media MediaType Media	JobCoverBack CoverType Media MediaType MediaCol
Covers (Media, Sides, etc.) CoverType="Front" Media MediaType Media	JobCoverFront CoverType Media MediaType MediaCol
<none>	JobDelayOutputUntil
<none>	JobDelayOutputUntilTime
InsertSheet@SheetType="ErrorSheet" <none> <none> Media MediaType Media	JobErrorSheet JobErrorSheetType JobErrorSheetWhen Media MediaType MediaCol
<none>	JobErrorSheetType
<none>	JobErrorSheetWhen
Stapling, Stitching, Binding, etc.	JobFinishings
Stapling, Stitching, Binding, etc. Stapling, Stitching, Binding, etc. Stitching ReferenceEdge Offset StitchPositions	JobFinishingsCol FinishingTemplate Stitching StitchingReferenceEdge StitchingOffset StitchingLocations
JDF@Activation	JobHoldUntil
JDF@FirstStart	JobHoldUntilTime
SettingsPolicy	JobMandatoryElements
<none>	JobMessageFromOperator
JDF/Comment@Name="OperatorText"	JobMessageToOperator
<none>	JobMoreInfo
CustomerJobName	JobName
<none>	JobOriginatingUserName
<none>	JobOriginatingUserUri
Password	JobPassword
<none>	JobPasswordEncryption
Contact@ContactTypes="Customer"	JobPhoneNumber
JobPriority	JobPriority
Layout@ShowList="JobRecipientName"	JobRecipientName

JDF Attribute Name	PWG Print Job Ticket Element Name
<TBD – complex mappings>	JobSaveDisposition SaveDisposition SaveInfo SaveDocumentFormat SaveLocation SaveName
InsertSheet@ShowList="UserText"	JobSheetMessage
SheetType="JobSheet", etc.	JobSheets
SheetType="JobSheet", etc. SheetType="JobSheet", etc. Media MediaType Media	JobSheetsCol JobSheets Media MediaType MediaCol
<none>	KOctets
Media	Media
Media Media@BackCoatings Media@MediaColorName Media@FrontCoatings Media@GrainDirection Media@HoleType Media/Comment@Name="Description" Media@CatalogID Media@MediaSetCount Media@Preprinted Media@Recycled Media@Dimensions (see Media@Dimensions) (see Media@Dimensions) Media Media@Thickness <none> Media@MediaType Media@Weight <none> <none> <none> <none> Media@Location (input tray name)	MediaCol MediaBackCoating MediaColor MediaFrontCoating MediaGrain MediaHoleCount MediaInfo MediaKey MediaOrderCount MediaPreprinted MediaRecycled MediaSize XDimension YDimension MediaSizeName MediaThickness MediaTooth MediaType MediaWeightMetric MediaBottomMargin MediaLeftMargin MediaRightMargin MediaTopMargin MediaSource
<i>Media @BackCoatings</i>	<i>MediaBackCoating</i>
<i>Media @MediaColorName</i>	<i>MediaColor</i>
<i>Media @FrontCoatings</i>	<i>MediaFrontCoating</i>
<i>Media @GrainDirection</i>	<i>MediaGrain</i>
<i>Media @HoleType</i>	<i>MediaHoleCount</i>

<b>JDF Attribute Name</b>	<b>PWG Print Job Ticket Element Name</b>
<i>Media/Comment @Name="Description"</i>	<i>MediaInfo</i>
<none>	MediaInputTrayCheck
<i>Media @CatalogID</i>	<i>MediaKey</i>
<i>Media @MediaSetCount</i>	<i>MediaOrderCount</i>
<i>Media @Preprinted</i>	<i>MediaPreprinted</i>
<i>Media @Recycled</i>	<i>MediaRecycled</i>
<none>	MediaSheets
<i>Media @Dimensions</i>	<i>MediaSize</i>
<i>Media</i>	<i>MediaSizeName</i>
<i>Media @Thickness</i>	<i>MediaThickness</i>
<none>	<i>MediaTooth</i>
<i>Media @MediaType</i>	MediaType
<i>Media @Weight</i>	<i>MediaWeightMetric</i>
<none>	MultipleDocumentsHandling
NumberUp	NumberUp
FinishedPageOrientation	OrientationRequested
OutputBin	OutputBin
<none>	OutputDevice
<b>&lt;TBD – complex mappings&gt;</b>	Overrides Override Pages PageRange Lowerbound Upperbound DocumentNumbers NumberRange Lowerbound Upperbound DocumentCopies PCopiesRange Lowerbound Upperbound OverridingElements
PageDelivery	PageDelivery
PageOrder	PageOrderReceived
RunList@Pages <none> (see above) (see above)	PageRanges PageRange Lowerbound Upperbound
<none>	<i>Pages</i>
<none> <none>	PagesPerSubset Pages

JDF Attribute Name	PWG Print Job Ticket Element Name
<none> <none> <none> <none> <none>	PdInitFiles PdInitFile PdInitFileLocation PdInitFileName PdInitFileEntry
<none>	<i>PdInitFileEntry</i>
<none>	<i>PdInitFileName</i>
<none>	<i>PdInitFileEntry</i>
PresentationDirection	PresentationDirectionNumberUp
<none>	PrintColorMode
<none>	PrintContentOptimize
RenderingIntent	PrintRenderingIntent
<b>&lt;TBD – complex mappings&gt;</b>	ProofPrint Copies Media MediaCol
PrintQuality	Quality
OutputResolution	Resolution
<none>	<i>SaveDisposition</i>
<none>	<i>SaveDocumentFormat</i>
<none>	<i>SaveInfo</i>
<none>	<i>SaveLocation</i>
<none>	<i>SaveName</i>
InsertSheet@SheetType="Separator" InsertSheet@SheetUsage Media MediaType Media	SeparatorSheets SeparatorSheetsType Media MediaType MediaCol
<i>InsertSheet@SheetUsage</i>	<i>SeparatorSheetsType</i>
SheetCollate	SheetCollate
LayoutIntent@Sides	Sides
<i>StitchPositions</i>	<i>StitchingLocations</i>
<i>Offset</i>	<i>StitchingOffset</i>
<i>ReferenceEdge</i>	<i>StitchingReferenceEdge</i>
<none>	TemplateCreatorUserName
<none>	TemplateId
<none>	TemplateInfo
<none>	TemplateName
<none>	TemplateType
<i>(see MediaSizeName)</i>	<i>XDimension</i>
ImageShift@PositionX	XImagePosition
<none>	XImageShift
ImageShift@ShiftFront	XSide1ImageShift
ImageShift@ShiftBack	XSide2ImageShift

JDF Attribute Name	PWG Print Job Ticket Element Name
<i>(see MediaSizeName)</i>	<i>YDimension</i>
ImageShift@PositionY	YImagePosition
<none>	YImageShift
ImageShift@ShiftFront	YSide1ImageShift
ImageShift@ShiftBack	YSide2ImageShift

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## 11 2. References

### 12 2.1 Normative References

- 13 [CIP4JDF] CIP4, "JDF Specification Release 1.4a", December 2009,  
14 [http://www.cip4.org/menu.php?name=technical\\_resources](http://www.cip4.org/menu.php?name=technical_resources)
- 15 [CIP4IDP] CIP4, "Integrated Digital Printing (IDP) ICS Version 1.3 Errata  
16 Revision A, February 2009,  
17 [http://www.cip4.org/document\\_archive/ics.php](http://www.cip4.org/document_archive/ics.php)