

Overview ICS Sheet

Version 1.3

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ICS Workgroup

Abstract

This CIP4 spread sheet contains all the Manager and Worker conformance columns of the conformance tables for all of the published CIP4 Interoperability Conformance Specifications (ICSs). Because ICS's are purposefully not redundant and because some ICSs require conformance to other ICSs, an implementer of a JDF-enabled product must consult multiple ICS documents in order to get a complete picture of the applicable conformance requirements. This spread sheet provides a compact overview and summary the ICSs and provides an easy method to find which ICSs require which elements, attributes, and values. While every effort has been made to ensure that this spread sheet accurately reflects the ICSs, including ICS errata, the ICSs shall prevail in case of any differences.






Legend / Instruction of ICSs matrix table

Header Row	Content	Description	Example			
Row 1	Name of ICS	An ICS, such as Base ICS	Base			
Row 2	Level of ICS	The levels are L1, L2 and L3	L1		L2	
Row 3	Manager/Worker	Some Elements have an override for Producer/Consumer	M	W	M	W
Extra row override	Producer/Consumer	This override header is the first row of an Element for a particular ICS. The item column has "Producer/Consumer if marked". When an Element starts with this header, then all of its Attributes and Subelements for the specified ICS follow the rules for Producer/Consumer rather than Manager/Worker.	P	C	P	C

row of Item	Style	Description
Attribute	Black Verdana Italic	Attribute.
Element	Blue Verdana	Subelement (underlined if hotlink; if not underlined, see [JDF1.3])
Resource	Blue Bold Italic Verdana	Resource (underlined if hotlink; if not underlined, see [JDF1.3])
Process	Blue Bold Verdana	Process or Gray Box
Value(s)	Black Courier New Yellow background	Attribute's value.

ICSs marks	Style	Description
	blank	Nothing
r? w? w?	Black Lucinda Console White background	MAY read or/and write (for an Attribute or Element).
r? w? w? r?	Black Lucinda Console Yellow background	MAY read or/and write (for an Attribute Value)..
r r w? r w?	Blue Lucinda Console Green background	MUST read (sometimes with a condition). Write is not mentioned or is optional.
w wr w r? w← w←r w←r r← r← w← r? r w← r← r← r? w r? w←	Black Lucinda Console Blue background	MUST write (sometimes with a condition). These marks is defined in ICSs that System (Application) MUST write. In case of including 'r' or 'r?', it is the same, too.
r w r w r?	White Lucinda Console Red background	Also including combination with 'r' and 'r?'

- See Appendix A in Base ICS for details.

Frame marks	Style	Description
	Red frame	Indicates conflicting conformance specifications between ICSs. Both the name and the conflicting conformance should be framed.
	Orange frame	Indicates conformance specifications that are not conflicting but may require attention.
	Purple frame	Updated, Deleted and Added space by minor version up or errata

Code	Date	Description
Base	July 2007	Base ICS
JMF	July 2007	JMF ICS
MIS	July 2007	MIS ICS
MISPrepress	July 2007	MIS to Prepress ICS
MISFin	July 2007	MIS to Finishing ICS
LayCrImp	July 2007	Layout Creator to Imposition ICS
ODP	July 2007	Office Digital Printing ICS

ICS Table	Element	Item(Attrib, Val, Element)	Base				JMF				MIS						MISPrepress				MISFin				LayCrImp		ODP				
			L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L2		L1		L1	L2			
			M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M
		MISPRE_L2-1.0																r?	w←												
		MISFin_L1-1.3																		w←	r?										
		MISFin_L2-1.3																			r?	w←									
		LayCrImp_L1-1.3																						w←	r?						
		ODP_L1-1.3																								w	r?				
		ODP_L2-1.3																									r?	w			
		other values at JMF/@ICSVersions																													
		<i>all remaining values</i>	w←	r?																											
		ID	w	r?	r?	w←																									
		JobID	w←	r																											
		JobPartID	w	r?	r	w←																									
		MaxVersion	w←	r																											
		1.3	w	r																											
		ProjectID								w?	r?																				
		RelatedJobID								w←	r?																				
		RelatedJobPartID								w?	r?																				
		Status	w	r?	r	w																									
		<i>all remaining values</i>	w←	r?	r	w←																									
		Type	w	r?						w	r							w	r							w	r				
		Product								w←	r?							w	r												
		ProcessGroup								w←	r?							w	r					w←	r						
		Combined								w←	r?													w←	r	w	r				
		<Process Name>								w←	r?													!w	r?						
		Imposition																							w←	r					
		Types								w←	r?							w	r					w	r	w←	r	w	r		
		DigitalPrinting																									w	r			
		Folding																									w←	r?			
		Imposition																							w	r	w	r			
		Interpreting																									w	r			
		LayoutPreparation																									w	r			
		Rendering																									w	r			
		Stitching																									w	r			
		<i>all remaining values</i>								w?	r?																w?	r?			
		Version	w←	r?	r?	w?																									
		1.3	w	r?	r?	w																									
		xmlns	w←	r?																											
		http://www.CIP4.org/JDFSchema_1_1	w	r?																											

ICS Table	Element	Item(Attrib, Val, Element)	Base				JMF				MIS						MISPrepress				MISFin				LayCrImp			ODP		
			L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L2		L1			L1		L2
			M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
		<i>xmlns:xsi</i>	w←	r?																										
		http://www.w3.org/2001/XMLSchema-instance	w	r?																										
		<i>xsi:type</i>	w	r?																										
		AncestorPool	w?	r?																										
		AuditPool	w	r?	r?					w	r?	wr																		
		Comment - Manager								w?	r?																w←	r←		
		Comment - Worker								r?	w?																			
		JDF	w?	r						w?	r																			
		ResourcePool	w←	r						w←	r																			
Base 14	AncestorPool	Ancestor	w	r?																										
		Part	w←	r?																										
Base 15	Ancestor	All Attributes defined in JDF Node	w←	r?																										
		<i>ID</i>	!w	r?																										
		<i>NodeID</i>	w	r?																										
		NodeInfo	w←	r?																										
		CustomerInfo	w←	r?																										
Base 11	AuditPool	Audit	w←	r?																										
Base 13 MIS 7 MISPrepress 4	List of Audit Elements	<i>Created</i>	w	r?	r?																									
		<i>Modified</i>	w?	r?	w?																									
		ProcessRun								r?	w																			
		PhaseTime									r	w																		
		ResourceAudit									r	w←										r	w←							
Base 12	Abstract Audit	<i>AgentName</i>	w	r?	r?																									
		<i>AgentVersion</i>	w	r?	r?																									
		<i>ID</i>	w	r?	r?																									
		<i>TimeStamp</i>	w	r?	r?																									
MIS 8	ProcessRun	<i>Duration</i>								r?	w																			
		<i>End</i>								r?	w																			
		<i>EndStatus</i>								r?	w																			
		<i>all values</i>								r?	w←																			
		<i>Start</i>								r?	w																			
		Part								r?	w←																			
MIS 9	PhaseTime	<i>End</i>									r	w																		
		<i>ID</i>									r	w																		
		<i>refID</i>									r	w←																		
		<i>Start</i>									r	w																		

ICS Table	Element	Item(Attrib, Val, Element)	Base				JMF				MIS					MISPrepress				MISFin				LayCrImp			ODP		
			L1		L2		L1		L2		L1		L2			L1		L2		L1		L2	L1		L2	L1	L2		
			M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M
		<i>Status</i>										r	w																
		<i>Setup</i>										r	w←																
		<i>InProgress</i>										r	w←																
		<i>Cleanup</i>										r	w←																
		<i>Stopped</i>										r	w←																
		<i>Suspended</i>										r	w←																
		<i>all remaining values</i>										r	w?																
		Comment - Worker										r?	w?																
		Device										r	w?																
		Employee - Operator										r?	w?																
		MISDetails										r	w←																
		ModulePhase										r?	w?																
		Part										r?	w←																
		ResourceLink (Output)										r?	w?																
		ResourceLink (Input)										r?	w?																
MIS 10	ModulePhase	<i>DeviceStatus</i>										r?	w←																
		<i>End</i>										r	w←																
		<i>Start</i>										r	w←																
MIS 11 MISPrepress 5	ResourceAudit	<i>ID</i>										r	w																
		<i>refID</i>										r	w←																
		<i>NodeStatus</i>										r?	w?																
		<i>Reason</i>										r	w?																
		<i>ProcessResult</i>										r	w																
		<i>all remaining values</i>										r	w←																
		Part										r?	w←																
		ResourceLink										r	w																
		MediaLink (Plate)																r	w										
		MediaLink (Proof)																r?	w?										
MIS 4 JMF 16 ODP 4	Comment - Manager	<i>AgentName</i>									w	r?																	
		<i>AgentVersion</i>									w	r?																	
		<i>Name</i>						w	r?	w	r													w	r				
		<i>JobDescription</i>									w←	r?																	
		<i>Description</i>									w←	r?																	
		<i>Instruction</i>						w←	r?	w←	r?													w←	r				
		<i>all remaining values</i>						w?	r?																				
		<content of Element >						w	r?	w	r←													w←	r				
MIS 5	Comment - Worker	<i>AgentName</i>									w	r?																	
		<i>AgentVersion</i>									w	r?																	
		<i>Name</i>									r	w																	
		<i>OperatorText</i>									r	w←																	
		<content of Element >									r	w																	

ICS Table	Element	Item(Attrib, Val, Element)	Base				JMF				MIS						MISPrepress				MISFin				LayCrImp			ODP					
			L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L2		L1			L1			L2		
			M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M
	PartAmount	<i>MinAmount</i>	w?	r?																													
	MIS 13: Lot														r	w←																	
	Abstract ResourceLink and ResourceLink/ AmountPool/ PartAmount	AmountPool	w←	r								r?	w←																				
		Part	w←	r																													
ODP 7	ComponentLink	Amount																												w←	r		
Base 19 MIS 14	AmountPool	PartAmount	w	r									r	w																			
Base 20	Part	<i>Condition</i>	w←	r																													
		<i>Good</i>	w←	r																													
		<i>Waste</i>	w?	r?																													
		<i>Reusable</i>	w?	r?																													
Base 21	Abstract ResourceRef	<i>rRef</i>	w	r																													
		Part	w?	r																													
MIS 15	Lot	<i>ActualAmount</i>													r	w																	
		<i>LotID</i>														r	w																
		<i>Consumption</i>														r?	w←																
		<i>Full</i>														r?	w←																
		<i>Partial</i>														r?	w←																

ICS Table	Process or Gray Box	Context	Item(Attrib, Val, Element) Gray boxes(Category, Types)	Base		JMF		MIS			MISPrepress		MISFin		LayCrImp		ODP	
				L1	L2	L1	L2	L1	L2	L3	L1	L2	L1	L2	L1	L2	L1	L2
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M
MISPrepress 6	GB ContentCreation	JDF	<i>Types</i>									W	r					
			<i>LayoutElementProduction</i>									W	r					
MISPrepress 7	GB ContentCreation	Input Resources	RunList (Document) - Originating									W	r					
			LayoutElementProductionParams									W	r					
MISPrepress 8	GB ContentCreation	Output Resources	RunList (Document) - Conduit									W	r					
MISPrepress 9	GB ImpositionPreparation	JDF	<i>Types</i>									W	r					
			<i>ImpositionPreparation</i>									W	r					
			<i>Stripping</i>									W	r?	W	r			
MISPrepress 10	GB ImpositionPreparation	Input Resources	Assembly									W	r					
			ColorantControl									w?	r?	W	r			
			StrippingParams									w?	r	W	r			
			RunList (Document) - Conduit									w?	r					
MISPrepress 11	GB ImpositionPreparation	Output Resources	CuttingParams									w?	r?					
			CuttingParams (BlockCut)									r?	w?					
			FoldingParams									w?	r?					
			Layout									W	r					
			RunList (Document) - Conduit									w?	r?					
			RunList (Marks) - Conduit									W	r					
			StitchingParams									w?	r?					
			TrimmingParams									r?	w?					
MISPrepress 12	GB ImpositionProofing	JDF	<i>Types</i>									W	r					
			<i>Imposition</i>									W	r					
			<i>ColorSpaceConversion</i>									w?	r					
			<i>ProofImaging</i>									W	r					
			<i>Approval</i>									w?	r?					
MISPrepress 13	GB ImpositionProofing	Input Resources	ApprovalParams									W	r					
			ColorantControl									W	r					
			Device									w?	r					
			Layout									W	r					
			Media - Proof									W	r	r?	W	r		
			RunList (Document) - Conduit									W	r					
			RunList (Marks) - Conduit									W	r					
MISPrepress 14	GB ImpositionProofing	Output Resources	ApprovalSuccess									W	r	r?	W	r		
			ExposedMedia - Proof									W	r	r?	W	r		
MISPrepress 15	GB ImpositionRIPing	JDF	<i>Types</i>									W	r					
			<i>Imposition</i>									W	r					
			<i>RIPing</i>									W	r					
			<i>PreviewGeneration</i>									w?	r?					
MISPrepress 16	GB ImpositionRIPing	Input Resources	ColorantControl									W	r					
			Device									w?	r					
			InterpretingParams									w?	r					
			Layout									W	r					

ICS Table	Process or Gray Box	Context	Item(Attrib, Val, Element) Gray boxes(Category, Types)	Base		JMF		MIS			MISPrepress		MISFin		LayCrImp		ODP	
				L1	L2	L1	L2	L1	L2	L3	L1	L2	L1	L2	L1	L2	L1	L2
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M
			RunList (Document) - Conduit									W	r					
			RunList (Marks) - Conduit									W	r					
MISPrepress 17	GB ImpositionRIPing	Output Resources	Preview - Separation									W←	r					
			Preview - Composite									W←	r?					
			RunList - Conduit									r?	w?					
MISPrepress 18	GB ImpositionSoftProofing	JDF	<i>Types</i>									W	r					
			<i>Imposition</i>									W	r					
			<i>ColorSpaceConversion</i>									w?	r					
			<i>DigitalDelivery</i>									w?	r					
			<i>Approval</i>									W	r					
MISPrepress 19	GB ImpositionSoftProofing	Input Resources	ApprovalParams									W	r					
			ColorantControl									w?	r					
			Layout									W	r					
			DigitalDeliveryParams									w?	r					
			RunList (Document) - Conduit									W	r					
			RunList (Marks) - Conduit									w?	r					
MISPrepress 20	GB ImpositionSoftProofing	Output Resources	ApprovalSuccess									W	r					
												r?	w←					
MISPrepress 21	GB PageProofing	JDF	<i>Types</i>									W	r					
			<i>ColorSpaceConversion</i>									w?	r					
			<i>ProofImaging</i>									W	r					
			<i>Approval</i>									w?	r?					
MISPrepress 22	GB PageProofing	Input Resources	ApprovalParams									W←	r					
			ColorantControl									w?	r					
			Device									w?	r					
			InterpretingParams									w?	r					
			Media - Proof									W	r					
												r?	w←					
			RunList (Document) - Conduit									w?	r					
MISPrepress 23	GB PageProofing	Output Resources	ApprovalSuccess									W←	r					
												r?	w←					
			ExposedMedia - Proof									W	r					
												r?	rw					
MISPrepress 24	GB PageSoftProofing	JDF	<i>Types</i>									W	r					
			<i>DigitalDelivery</i>									w?	r					
			<i>ColorSpaceConversion</i>									w?	r					
			<i>Approval</i>									W	r					
MISPrepress 25	GB PageSoftProofing	Input Resources	ApprovalParams									W	r					
			ColorantControl									w?	r					
			DigitalDeliveryParams									w?	r					
			RunList (Document) - Originating									w?	r					
MISPrepress 26	GB PageSoftProofing	Output Resources	ApprovalSuccess									w?	r					
												r?	w←					
MISPrepress 27	GB PlateMaking	JDF	<i>Types</i>									W	r					
			<i>Imposition</i>									W	r					
			<i>RIPing</i>									W	r					
			<i>PreviewGeneration</i>									w?	r					

ICS Table	Process or Gray Box	Context	Item(Attrib, Val, Element) Gray boxes(Category, Types)	Base		JMF				MIS			MISPrepress		MISFin			LayCrImp		ODP						
				L1	L2	L1	L2	L1	L2	L3	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2						
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	
MISPrepress 28	GB PlateMaking	Input Resources	<i>ImageSetting</i>																							
			ColorantControl																							
			Device																							
			InterpretingParams																							
			Layout																							
			Media - Plate																							
MISPrepress 29	GB PlateMaking	Output Resources	RunList (Document) - Conduit																							
			RunList (Marks) - Conduit																							
			ExposedMedia - Plate																							
MISPrepress 30	GB PlateSetting	JDF	Preview - Separation																							
			Preview - Composite																							
MISPrepress 31	GB PlateSetting	Input Resources	<i>Types</i>																							
			<i>ImageSetting</i>																							
			<i>Bending</i>																							
MISPrepress 32	GB PlateSetting	Output Resources	BendingParams																							
			ColorantControl																							
			Device																							
			Media - Plate																							
MISPrepress 33	GB PrePressPreparation	JDF	RunList - Conduit																							
			ExposedMedia - Plate																							
MISPrepress 34	GB PrePressPreparation	Input Resources	<i>Types</i>																							
			<i>PrePressPreparation</i>																							
MISPrepress 35	GB PrePressPreparation	Output Resources	RunList (Document) - Originating																							
			RunList (Document) - Conduit																							
MISPrepress 36	GB ProofAndPlateMaking	JDF	RunList (Document) - Conduit																							
			<i>Types</i>																							
			<i>Imposition</i>																							
			<i>ColorSpaceConversion</i>																							
			<i>ProofImaging</i>																							
			<i>Approval</i>																							
			<i>RIPing</i>																							
MISPrepress 37	GB ProofAndPlateMaking	Input Resources	<i>PreviewGeneration</i>																							
			<i>ImageSetting</i>																							
			ApprovalParams																							
			ColorantControl																							
			Device																							
			Device																							
MISPrepress 38	GB ProofAndPlateMaking	Output Resources	InterpretingParams																							
			Layout																							
			Media - Proof																							
			Media - Plate																							
			RunList (Document) - Conduit																							
			RunList (Marks) - Conduit																							

ICS Table	Process or Gray Box	Context	Item(Attrib, Val, Element) Gray boxes(Category, Types)	Base		JMF		MIS			MISPrepress		MISFin			LayCrImp		ODP	
				L1	L2	L1	L2	L1	L2	L3	L1	L2	L1	L2	L1	L2	L1	L2	
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
			<i>CaseMaking</i>											w?	r←				
			<i>CasingIn</i>											w	r←				
			<i>Cutting</i>											w←	r←				
			<i>EndSheetGluing</i>											w	r←				
			<i>Gathering</i>											w	r←				
			<i>Gluing</i>											w?	r←				
			<i>HeadBandApplication</i>											w?	r←				
			<i>Inserting</i>											w←	r←				
			<i>Jacketing</i>											w←	r←				
			<i>SpinePreparation</i>											w←	r←				
			<i>SpineTaping</i>											w←	r←				
			<i>ThreadSewing</i>											w←	r←				
			<i>Trimming</i>											w	r←				
MISFin 12	<i>GB HardcoverFin</i>	Input Resources	Component											w	r				
			Component (Case)											w←	r				
			Component (Child)											w←	r				
			Component (CoverMaterial)											w←	r				
			Media (CoverMaterial) - generic											w←	r				
			Media (CoverBoard) - generic											w←	r				
			Media (SpineBoard) - generic											w←	r				
			Assembly											w←	r				
			BlockPreparationParams											w←	r				
			CaseMakingParams											w←	r?	r			
			CasingInParams											w←	r?				
			CuttingParams											w←	r?				
			EndSheetGluingParams											w←	r?				
			GatheringParams											w←	r?				
			GluingParams											w←	r?	r			
			HeadBandApplicationParams											w←	r?	r			
			InsertingParams											w←	r				
			JacketingParams											w←	r?	r			
			SpinePreparationParams											w←	r?				
			SpineTapingParams											w←	r?	r			
			ThreadSewingParams											w←	r?	r			
			TrimmingParams											w←	r				
MISFin 13	<i>GB HardcoverFin</i>	Output Resources	see Abstract GB MISFin																
MISFin 14	<i>GB InsertFin</i>	JDF	<i>Types</i>											w	r				
			<i>Cutting</i>											w←	r←				
			<i>Inserting</i>											w	r←				
			<i>Trimming</i>											w←	r←				
MISFin 15	<i>GB InsertFin</i>	Input Resources	Component											w	r				
			Component (Child)											w	r				
			CuttingParams											w←	r?				
			InsertingParams											w	r				
			TrimmingParams											w←	r				
MISFin 16	<i>GB InsertFin</i>	Output Resources	see Abstract GB MISFin																
MISFin 17	<i>GB SheetFin</i>	JDF	<i>Types</i>											w	r				
			<i>Creasing</i>											w?	r←				

ICS Table	Process or Gray Box	Context	Item(Attrib, Val, Element) Gray boxes(Category, Types)	Base		JMF		MIS			MISPrepress		MISFin		LayCrImp		ODP		
				L1	L2	L1	L2	L1	L2	L3	L1	L2	L1	L2	L1	L2	L1	L2	
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
			<i>Cutting</i>											W	r				
			<i>Folding</i>											W	r				
			<i>Gluing</i>											w?	r				
			<i>Perforating</i>											w?	r				
			<i>ThreadSealing</i>											W	r				
MISFin 18	GB SheetFin	Input Resources	Component											W	r				
			CreasingParams											W	r?		r		
			CuttingParams											W	r?				
			FoldingParams											W	r				
			GluingParams											W	r?		r		
			PerforatingParams											W	r?		r		
			ThreadSealingParams											W	r?		r		
MISFin 19	GB SheetFin	Output Resources	see Abstract GB MISFin																
MISFin 20	GB SoftcoverFin	JDF	<i>Types</i>											W	r				
			<i>Buffer</i>											w?	r				
			<i>CoverApplication</i>											W	r				
			<i>Cutting</i>											W	r				
			<i>Folding</i>											W	r				
			<i>Gathering</i>											W	r				
			<i>Gluing</i>											w?	r				
			<i>Inserting</i>											W	r				
			<i>Jacketing</i>											W	r				
			<i>SpinePreparation</i>											W	r				
			<i>SpineTaping</i>											W	r				
			<i>ThreadSewing</i>											W	r				
			<i>Trimming</i>											W	r				
MISFin 21	GB SoftcoverFin	Input Resources	Component											W	r				
			Component (Cover)											W	r				
			Component (Child)											W	r				
			Assembly											W	r				
			BufferParams											W	r				
			CoverApplicationParams											W	r				
			CuttingParams											W	r?				
			FoldingParams											W	r				
			GatheringParams											W	r?				
			GluingParams											W	r?		r		
			InsertingParams											W	r				
			JacketingParams											W	r?		r		
			SpinePreparationParams											W	r?				
			SpineTapingParams											W	r?		r		
			ThreadSewingParams											W	r?		r		
			TrimmingParams											W	r				
MISFin 22	GB SoftcoverFin	Output Resources	see Abstract GB MISFin																
MISFin 23	GB StitchFin	JDF	<i>Types</i>											W	r				
			<i>Collecting</i>											W	r				
			<i>Cutting</i>											W	r				
			<i>Folding</i>											W	r				
			<i>Inserting</i>											W	r				

ICS Table	Process or Gray Box	Context	Item(Attrib, Val, Element) Gray boxes(Category, Types)	Base		JMF		MIS			MISPrepress		MISFin		LayCrImp		ODP				
				L1	L2	L1	L2	L1	L2	L3	L1	L2	L1	L2	L1	L2	L1	L2			
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
			Stitching																		
			Trimming																		
MISFin 24	GB StitchFin	Input Resources	Component																		
			Component (Child)																		
			Assembly																		
			CollectingParams																		
			CuttingParams																		
			FoldingParams																		
			InsertingParams																		
			StitchingParams																		
			TrimmingParams																		
MISFin 25	GB StitchFin	Output Resources	see Abstract GB MISFin																		
LayCrImp 4	Imposition	Input Resources	Layout																		
			RunList (Document) - generic																		
			RunList (Marks) - generic																		
ODP 5	DigitalPrinting Combined Node	Input Resources	ColorantControl																		
			DigitalPrintingParams																		
			FoldingParams																		
			InterpretingParams																		
			LayoutPreparationParams																		
			Media - generic																		
			RenderingParams																		
			RunList (Document) - generic																		
			StitchingParams																		
ODP 6	DigitalPrinting Combined Node	Output Resources	Component																		

ICS Table	Element	Item(Attrib, Val, Element)	Base		JMF				MIS			MISPrepress				MISFin				LayCrimp		ODP						
			L1		L2		L1		L2		L1	L2		L3	L1		L2		L1		L2		L1	L1		L2		
			M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
MISPrepress 41	ApprovalParams	<i>PartIDKeys</i>																										
		<i>SignatureName</i>																										
		<i>SheetName</i>																										
		<i>Side</i>																										
		<i>PageNumber</i>																										
		<i>PartVersion</i>																										
		<i>MinApprovals</i>																										
		ApprovalPerson																										
MISPrepress 42	ApprovalPerson	<i>ApprovalRole</i>																										
		<i>Obligated</i>																										
		<i>Group</i>																										
		<i>Informative</i>																										
		<i>all remaining values</i>																										
MISPrepress 43	ApprovalSuccess	ApprovalDetails																										
MISPrepress 44	ApprovalDetails	Contact - ApprovalSuccess																										
MISPrepress 45 MISFin 26	Assembly	<i>AssemblyIDs</i>																										
		<i>BindingSide</i>																										
		<i>all values</i>																										
		<i>JobID</i>																										
		<i>JogSide</i>																										
		<i>None</i>																										
		<i>all remaining values</i>																										
		<i>Order</i>																										
		<i>Collecting</i>																										
		<i>Gathering</i>																										
		<i>List</i>																										
		<i>None</i>																										
		<i>all remaining values</i>																										
		<i>PartIDKeys</i>																										
		<i>PartVersion</i>																										
AssemblySection																												
PageList																												
PageAssignedList																												
MISPrepress 46	PageAssignedList	<i>PageListIndex</i>																										
MISPrepress 47	BinderySignature	<i>BinderySignatureType</i>																										
		<i>BindingEdge</i>																										
		<i>FoldCatalog</i>																										
		<i>NumberUp</i>																										
		DieLayout																										
		<i>SignatureCell</i>																										
MISPrepress 48	SignatureCell	<i>BackPages</i>																										
		<i>FrontPages</i>																										
		<i>Orientation</i>																										
MISFin 27	BlockPreparationParams	<i>TightBacking</i>																										
		<i>all values</i>																										
MISFin 28	BoxFoldingParams	<i>DescriptiveName</i>																										
		<i>BoxApplication</i>																										
MISFin 29	BoxPackingParams	<i>all Attributes/Elements</i>																										

ICS Table	Element	Item(Attrib, Val, Element)	Base		JMF				MIS			MISPrepress				MISFin				LayCrimp		ODP					
			L1		L2		L1		L2		L1	L2		L3	L1		L2		L1	L2	L1	L1	L2				
			M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M
MISFin 30	BufferParams	<i>all Attributes/Elements</i>																	w?	r?							
MISFin 31	BundlingParams	<i>Copies</i> <i>Length</i>																									
MISFin 32	CaseMakingParams	<i>CoverWidth</i> <i>Height</i> <i>SpineWidth</i>																									
MISFin 33	CasingInParams	<i>all Attributes/Elements</i>																	w?	r?							
MISFin 34	CollectingParams	<i>all Attributes/Elements</i>																	w?	r?							
MISPrepress 49	Color	<i>ColorBook</i> <i>ColorBookEntry</i> <i>CMYK</i> <i>Name</i>													w?	r?											
MISPrepress 50 ODP 8	ColorantControl	<i>PartIDKeys</i> <i>SignatureName</i> <i>SheetName</i> <i>Side</i> <i>PartVersion</i> <i>all remaining values</i> <i>ProcessColorModel</i> <i>DeviceGray</i> <i>DeviceCMYK</i> <i>DeviceN</i> ColorantOrder ColorantParams ColorPool													w?	r?											
MISPrepress 51	ColorantOrder	SeparationSpec													w?	r?											
MISPrepress 52	ColorantParams	SeparationSpec													w?	r?											
MISPrepress 53	ColorPool	Color													w?	r?											
MISPrepress 54	ComChannel	<i>ChannelType</i> <i>Email</i> <i>WWW</i> <i>JMF</i> <i>PrivateDirectory</i> <i>all remaining values</i> <i>ChannelTypeDetails</i> <i>Locator</i>													w?	r?											
MIS 16	Company	<i>OrganizationName</i>																									
Base 22	Component	<i>ComponentType</i>																									
MIS 17		<i>FinalProduct</i>																									
MISFin 35		<i>Condition</i>																									
		<i>Dimensions</i>																									
		<i>IsWaste</i>																									
		<i>SurfaceCount</i>																									
		<i>ProductType</i>																									
		<i>BackCover</i>																									
		<i>BlankBox</i>																									
		<i>BlankSheet</i>																									
		<i>BlankWeb</i>																									
	<i>Body</i>																										

ICS Table	Element	Item(Attrib, Val, Element)	Base		JMF				MIS			MISPrepress				MISFin				LayCrimp		ODP				
			L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L1		L2	
			M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
		Cover																								
		FlatBox																								
		FrontCover																								
		Insert																								
		Sheet																								
		Web																								
		all remaining values																								
		Layout																								
MIS 18	Contact - generic	ContactTypes																								
		Customer																								
		Administrator																								
		Company																								
		Person																								
MISPrepress 55	Contact - ApprovalParams	ContactTypes																								
		Approver																								
		Person																								
MISPrepress 56	Contact - ApprovalSuccess	ContactTypes																								
		Approver																								
		Person																								
MISPrepress 57	Contact - DigitalDelivery	ContactTypes																								
		Delivery																								
		ComChannel																								
JMF 42	CostCenter	Producer/Consumer if marked																								
		CostCenterID																								
MISFin 36	CoverApplicationParams	GlueApplication																								
		Score																								
MISFin 37	Score	Side																								
MISFin 38	CreasingParams	Crease																								
MISFin 39	Crease	Depth																								
MIS 19	CustomerInfo	CustomerID																								
		CustomerJobName																								
		CustomerOrderID																								
		CustomerProjectID																								
		Contact - generic																								
MISFin 40	CuttingParams	all Attributes/Elements																								
Base 23	Device	Producer/Consumer if marked																								
JMF 32		DescriptiveName																								
MIS 20		DeviceID																								
MISPrepress 58		JDFVersions																								
		JMFSenderID																								
		JMFURL																								
LayCrimp 5	DeviceMark	Font																								
		FontSize																								
		MarkJustification																								
		MarkOffset																								
		MarkOrientation																								
		MarkPosition																								
MISPrepress 59	DieLayout	FileSpec																								
MISFin 41		ProductID																								

ICS Table	Element	Item(Attrib, Val, Element)	Base		JMF				MIS			MISPrepress				MISFin				LayCrimp		ODP					
			L1		L2		L1		L2		L1	L2		L3	L1		L2		L1	L2	L1	L1	L2				
			M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M
		Station																									
MISFin 42	Station	AssemblyIDs																									
		StationAmount																									
		StationName																									
MISPrepress 60	DigitalDeliveryParams	Contact - DigitalDelivery																									
ODP 9	DigitalPrintingParams	Collate																									
		None																									
		Sheet																									
		ManualFeed																									
		OutputBin																									
		AutoSelect																									
		Disjointing																									
		Media - generic																									
ODP 10	Disjointing	OffsetDirection																									
		Alternate																									
		None																									
MISFin 43	EmbossingParams	Emboss																									
MISFin 44	Emboss	EmbossingType																									
MISFin 45	EndSheetGluingParams	all Attributes/Elements																									
JMF 41	Employee - generic	Producer/Consumer if marked																									
		PersonalID																									
		Roles																									
		Shift																									
		CostCenter																									
		Person																									
MIS 21	Employee - CSR	PersonalID																									
		Roles																									
		CSR																									
MIS 22	Employee - Operator	PersonalID																									
		Roles																									
		Operator																									
		Assistant																									
MISPrepress 61	ExposedMedia - Plate	PartIDKeys																									
		SignatureName																									
		SheetName																									
		Side																									
		Separation																									
		PartVersion																									
		all remaining values																									
		ProductID																									
		Status																									
		Unavailable																									
		Media - Plate																									
MISPrepress 62	ExposedMedia - Proof	PartIDKeys																									
		SignatureName																									
		SheetName																									
		Side																									
		PartVersion																									
		PageNumber																									

ICS Table	Element	Item(Attrib, Val, Element)	Base		JMF				MIS			MISPrepress				MISFin				LayCrimp		ODP				
			L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L1		L2	
			M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
		<i>Value</i>																								
		ExtraValues																								
MISFin 54	InsertingParams	<i>InsertLocation</i>																								
		<i>Back</i>																								
		<i>FinishedPage</i>																								
		<i>Front</i>																								
		<i>Method</i>																								
		<i>BindIn</i>																								
		<i>BlowIn</i>																								
		GlueLine																								
MISPrepress 65 ODP 15	InterpretingParams	<i>PrintQuality</i>																								
		<i>Draft</i>																								
		<i>High</i>																								
		<i>Normal</i>																								
		<i>Scaling</i>																								
		<i>ScalingOrigin</i>																								
		<i>PartIDKeys</i>																								
		<i>Separation</i>																								
MISFin 55	JacketingParams	<i>FoldingWidth</i>																								
		Media - Paper																								
LayCrimp 7	JobField	<i>OperatorText</i>																								
		<i>ShowList</i>																								
		<i>DeviceID</i>																								
		<i>OperatorText</i>																								
		<i>StartTime</i>																								
		<i>UserText</i>																								
		<i>all remaining values</i>																								
		<i>UserText</i>																								
MISFin 56	LabelingParams	<i>Application</i>																								
		<i>all values</i>																								
		<i>Position</i>																								
		<i>all values</i>																								
MISPrepress 66 MISFin 57 LayCrimp 8	Layout	<i>Automated</i>																								
		<i>Name</i>																								
		<i>Status</i>																								
		<i>Unavailable</i>																								
		<i>Available</i>																								
		<i>PartIDKeys</i>																								
		<i>SignatureName</i>																								
		<i>SheetName</i>																								
		<i>Side</i>																								
		<i>all remaining values</i>																								
		<i>SurfaceContentsBox</i>																								
		ContentObject																								
		MarkObject																								
		Media - generic																								
<i>Signature</i>																										
TransferCurvePool																										

ICS Table	Element	Item(Attrib, Val, Element)	Base		JMF				MIS			MISPrepress				MISFin				LayCrimp		ODP					
			L1		L2		L1		L2		L1	L2		L3	L1		L2		L1	L2	L1	L2	L1	L2	L1	L2	
			M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M
LayCrimp 9	Abstract PlacedObject	ClipBox																			w?	r					
		ClipPath																				w?	r				
		CTM																				w	r				
		SourceClipPath																				w?	r				
LayCrimp 10	ContentObject	DocOrd																			!w	r?					
		Ord																			w	r					
		OrdExpression																				!w	r?				
		SetOrd																				!w	r?				
LayCrimp 11	MarkObject	LayoutElementPageNum																			!w	r?					
		Ord																			w←	r					
		DynamicField																				!w	r?				
		JobField																				w←	r?				
LayCrimp 11	MarkObject	LayoutElement																			!w	r?					
		Elementype																				w?	r?				
		Reservation																				!w	r?				
		IsBlank																				w←	r				
MISPrepress 67 LayCrimp 12 ODP 16	LayoutElement	FileSpec											w	r							w←	r	w←	r			
		LayoutElementProductionParams												w	r												
MISPrepress 68	LayoutElementProductionParams	LayoutElementPart											w	r													
MISPrepress 69	LayoutElementPart	BarcodeProductionParams											w	r													
MISPrepress 70	BarcodeProductionParams	IdentificationField											w	r													
		BarcodeReproParams												w?	r?												
ODP 17	LayoutPreparationParams	Sides																					w←	r			
		OneSidedFront																						w←	r		
		TwoSidedFlipX																						w←	r←		
		TwoSidedFlipY																						w←	r←		
		FitPolicy																						w←	r		
ODP 18	ImageShift	ImageShift																					w←	r?			
		ShiftBack																					w←	r			
MISFin 58	ManualLaborParams	ShiftFront																					w←	r			
		LaborType																				w	r				
MISFin 59 LayCrimp 13 ODP 19	Media - generic	SeparateBlanks																				w←	r				
		Dimension																					w	r?	w←	r	
MISFin 59 LayCrimp 13 ODP 19	Media - generic	ProductID																				w	r				
		MediaColorName																						w←	r?		
		MediaColorNameDetails																						w←	r?		
		MediaType																					w	r	w	r?	
		Film																					w←	r?			
		Paper																					w←	r?	w←	r?	
		Plate																					w←	r?			
		Transparency																						w←	r?		
		MediaTypeDetails																				w?	r		w←	r?	
		Envelope																							w←	r?	
		Stationery																							w←	r?	
		MediaUnit																					w←	r			
		Location																							w←	r?	
		GeneralID																							w?	r?	
MISPrepress 73	Media - Paper	Dimension												w	r												
		Grade													w?	r?											
		MediaType													w	r											

ICS Table	Element	Item(Attrib, Val, Element)	Base		JMF				MIS			MISPrepress				MISFin				LayCrimp		ODP							
			L1		L2		L1		L2		L1	L2		L3	L1		L2		L1		L2		L1	L2					
			M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	
		Paper																											
		PartIDKeys																											
		SignatureName																											
		SheetName																											
		all remaining values																											
		Thickness																											
MISPrepress 71	Media - Plate	Brand																											
		Dimension																											
		MediaType																											
		Plate																											
		PartIDKeys																											
		SignatureName																											
		SheetName																											
		Side																											
		Separation																											
		all remaining values																											
MISPrepress 72	Media - Proof	Brand																											
		Dimension																											
		MediaType																											
		Paper																											
ODP 20	Location	LocationName																											
		AutoSelect																											
MIS 23	MISDetails	CostType																											
		all values																											
		DeviceOperationMode																											
		all values																											
		WorkType																											
		all values																											
Base 24 JMF 3 MIS 24	NodeInfo	DescriptiveName	w?	r?																									
		NodeStatus	w	r	w																								
		Route	w?	r																									
		TargetRoute	w?	r																									
		file:...	w	r																									
		all remaining values	w	r																									
		BusinessInfo																											
		Employee - CSR																											
		JMF																											
MISPrepress 74	PageList	DescriptiveName																											
		PartIDKeys																											
		PartVersion																											
MISFin 60	PalletizingParams	MaxHeight																											
MISFin 61	PerforatingParams	Perforate																											
MISFin 62	Perforate	all Attributes/Elements																											
MIS 25 JMF 43	Person	Producer/Consumer if marked																											
		FamilyName																											
		FirstName																											

ICS Table	Element	Item(Attrib, Val, Element)	Base		JMF				MIS			MISPrepress				MISFin				LayCrimp		ODP				
			L1		L2		L1		L2		L1	L2	L3	L1		L2		L1	L2	L1	L2	M	W	M	W	
			M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
		PageList																								
MISPrepress 78	RunList - Conduit	<i>Status</i>																								
		<i>Unavailable</i>																								
MISPrepress 79	SeparationSpec	<i>Name</i>																								
MISFin 64	ShapeCuttingParams	<i>DeliveryMode</i>																								
		<i>all values</i>																								
		DieLayout																								
MISFin 65	ShrinkingParams	<i>ShrinkingMethod</i>																								
		<i>ShrinkHot</i>																								
		<i>ShrinkCool</i>																								
MISFin 66	SpinePreparationParams	<i>all Attributes/Elements</i>																								
MISFin 67	SpineTapingParams	<i>StripMaterial</i>																								
		<i>all values</i>																								
MISFin 68	StackingParams	<i>Compensate</i>																								
		<i>LayerAmount</i>																								
		<i>StandardAmount</i>																								
MISFin 69 ODP 22	StitchingParams	<i>NoOp</i>																								
		<i>Angle</i>																								
		<i>NumberOfStitches</i>																								
		<i>Offset</i>																								
		<i>StitchType</i>																								
		<i>Corner</i>																								
		<i>Saddle</i>																								
		<i>Side</i>																								
		<i>all remaining values</i>																								
MISFin 70	Strap	<i>Material</i>																								
		<i>all values</i>																								
MISFin 71	StrappingParams	<i>StrappingType</i>																								
		<i>all values</i>																								
MISPrepress 80	StrippingParams	<i>AssemblyIDs</i>																								
		<i>DescriptiveName</i>																								
		<i>SectionList</i>																								
		<i>WorkStyle</i>																								
		<i>WorkAndTwist</i>																								
		<i>all remaining values</i>																								
		<i>PartIDKeys</i>																								
		<i>SignatureName</i>																								
		<i>SheetName</i>																								
		<i>BinderySignatureName</i>																								
		<i>StationName</i>																								
		<i>PartVersion</i>																								
		<i>SectionIndex</i>																								
		<i>CellIndex</i>																								
		BinderySignature																								
		Device																								
		Media - Plate																								
		Media - Paper																								
		Position																								
		StripCellParams																								

ICS Table	Element	Item(Attrib, Val, Element)	Base		JMF				MIS			MISPrepress				MISFin				LayCrimp		ODP			
			L1		L2		L1		L2		L1			L1		L2		L1		L1		L2			
			M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M
		StripMark																							
MISPrepress 81	Position	StripMark																							
		<i>AbsoluteBox</i>																							
		<i>MarginBottom</i>																							
		<i>MarginTop</i>																							
		<i>MarginLeft</i>																							
		<i>MarginRight</i>																							
		<i>Orientation</i>																							
		<i>all values</i>																							
		<i>RelativeBox</i>																							
MISPrepress 82	StripCellParams	<i>TrimFace</i>																							
		<i>TrimFoot</i>																							
		<i>TrimHead</i>																							
		<i>Spine</i>																							
		<i>MillingDepth</i>																							
		<i>FrontOverfold</i>																							
		<i>BackOverfold</i>																							
		<i>TrimSize</i>																							
MISPrepress 83	StripMark	<i>MarkName</i>																							
		<i>MarkSide</i>																							
		<i>all values</i>																							
		Position																							
MISFin 72	ThreadSealingParams	<i>ThreadMaterial</i>																							
		<i>all values</i>																							
MISFin 73	ThreadSewingParams	<i>BlindStitch</i>																							
		<i>Sealing</i>																							
		<i>SewingPattern</i>																							
		<i>Normal</i>																							
		<i>Staggered</i>																							
		<i>Side</i>																							
MISFin 74	Tool	<i>ProductID</i>																							
		<i>ToolType</i>																							
		SourceResource																							
MISFin 75	SourceResource	DieLayout																							
LayCrimp 15	TransferCurvePool	TransferCurveSet																							
LayCrimp 16	TransferCurveSet	<i>CTM</i>																							
		<i>Name</i>																							
		<i>Film</i>																							
		<i>Paper</i>																							
		<i>Plate</i>																							
MISFin 76	TrimmingParams	<i>Height</i>																							
		<i>TrimCover</i>																							
		<i>Width</i>																							
MISFin 77	VerificationParams	<i>all Attributes/Elements</i>																							
MISFin 78	WrappingParams	<i>WrappingKind</i>																							
		<i>LooseWrap</i>																							
		<i>ShrinkWrap</i>																							

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ICS Table	Element	Message Family	Item(Attrib, Val, Element)	Base		JMF				MIS						MISPrepress				MISFin				LayCrImp		ODP				
				L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L2		L1		L2		
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M
JMF 4	JMF		Producer/Consumer if marked					P	C	P	C																			
			<i>DeviceID</i>					w?	r																					
			<i>MaxVersion</i>					w	r																					
			<i>1, 3</i>					w	r																					
			<i>ICSVersions</i>					w←	r?																					
			<i>JMF_L1-1.3</i>					w	r?																					
			<i>JMF_L2-1.3</i>						r?	w																				
			<i>other values at JDF/@ICSVersions</i>																											
			<i>all remaining values</i>					w←	r?																					
			<i>ResponseURL</i>					!w	r?			!w	r?																	
			<i>SenderID</i>					w	r?																					
			<i>TimeStamp</i>					w	r?																					
			<i>Version</i>					w	r?																					
			<i>1, 3</i>					w	r?																					
			<i>xmlns</i>					w←	r?																					
			<i>http://www.CIP4.org/JDFSchema_1_1</i>					w	r?																					
			<i>xmlns:xsi</i>					w←	r?																					
			<i>http://www.w3.org/2001/XMLSchema-instance</i>					w	r?																					
	<i>Message</i>					w	r					w	r																	
JMF 13 MIS 26	List of JMF Messages	Command	AbortQueueEntry							w	r																			
		Response	AbortQueueEntry							r	w																			
		Acknowledge	AbortQueueEntry							r?	w?																			
		Command	HoldQueueEntry							w?	r?																			
		Response	HoldQueueEntry							r?	w?																			
		Query	KnownControllers							w?	r?	r?	w?																	
		Response	KnownControllers							r?	w?	w?	r?																	
		Query	KnownDevices							wr	r	w?																		
		Response	KnownDevices							rw	wr																			
		Query	KnownMessages							w←r	r	w?															w	r		
		Response	KnownMessages							rw	wr																r	w		
		Query	NewJDF											w	r															
		Response	NewJDF											r	w															
		Signal	Notification											w←	r?															
		Query	Occupation							w?	r?	r?	w?																	
		Response	Occupation							r?	w?	w?	r?																	
		Query	QueueStatus							w?	r?																			
		Response	QueueStatus							r?	w?																			
Command	RemoveQueueEntry							w	r																					

ICS Table	Element	Message Family	Item(Attrib, Val, Element)	Base		JMF				MIS						MISPrepress				MISFin		LayCrImp		ODP					
				L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L2		L1		L2	
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
		Response	RemoveQueueEntry					r	w																				
		Command	RequestQueueEntry					r?	w?																				
		Response	RequestQueueEntry					w?	r?																				
		Query	Resource									w	r																
		Response	Resource									r	w																
		Registration	Resource											w	r														
		Response	Resource											r	w														
		Signal	Resource									r	w																
		Command	ResubmitQueueEntry					w?	r?																				
		Response	ResubmitQueueEntry					r?	w?																				
		Command	ResumeQueueEntry					w?	r←																				
		Response	ResumeQueueEntry					r?	w←																				
		Acknowledge	ResumeQueueEntry					r?	w?																				
		Command	ReturnQueueEntry					r	w																				
		Response	ReturnQueueEntry					w	r																				
		Acknowledge	ReturnQueueEntry					w?	r?																				
		Command	SetQueueEntryPosition					w?	r?																				
		Response	SetQueueEntryPosition					r?	w?																				
		Command	SetQueueEntryPriority					w?	r←																				
		Response	SetQueueEntryPriority					r?	w←																				
		Query	Status									w	r																
		Response	Status									r	w																
		Signal	Status									r	w																
		Command	StopPersistentChannel					w←	r																				
		Response	StopPersistentChannel					r	w																				
		Query	SubmissionMethods					w?r	w?																				
		Response	SubmissionMethods					rW	wR																				
		Command	SubmitQueueEntry					w	r																	w	r		
		Response	SubmitQueueEntry					r	w																	r	w		
		Acknowledge	SubmitQueueEntry					r	w?																				
		Command	SuspendQueueEntry					w?	r?																				
		Response	SuspendQueueEntry					r?	w?																				
		Acknowledge	SuspendQueueEntry					r?	w?																				
JMF 5	Abstract Message		Producer/Consumer if marked			P	C	P	C																				
			<i>ID</i>			w	r←																						
			<i>Time</i>			w←	r?																						
			<i>Type</i>			w	r																						
			<i>xsi:type</i>			w	r?																						
			<message family> <value of /JDF/Message/@Type>			w	r?																						
JMF 6	Query		Producer/Consumer if marked			P	C	P	C																				
			<i>AcknowledgeURL</i>					w←	r?																				
			<i>QueryTypeObj</i>			w←	r																						

ICS Table	Element	Message Family	Item(Attrib, Val, Element)	Base		JMF				MIS						MISPrepress				MISFin		LayCrImp		ODP					
				L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L2		L1		L2	
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
			Subscription					W	r																				
JMF 7 MIS 36	Subscription		Producer/Consumer if marked					P	C	P	C																		
			<i>MinDelayTime</i>					w?	r																				
			<i>RepeatStep</i>										w?	r															
			<i>RepeatTime</i>					w?	r																				
			> 6000																										
			<= 6000																										
			<i>URL</i>					W	r																				
			ObservationTarget					w?	r?																				
JMF 8	ObservationTarget		Producer/Consumer if marked					P	C	P	C																		
			<i>ObservationPath</i>					W	r																				
JMF 9	Response		Producer/Consumer if marked					P	C	P	C																		
			<i>Acknowledged</i>							W	r?																		
			<i>refID</i>							W	r?																		
			<i>ReturnCode</i>							W	r?																		
			<i>Subscribed</i>							W	r?																		
			<i>true</i>							W	r?																		
JMF 10	Signal		Producer/Consumer if marked					P	C	P	C																		
			<i>LastRepeat</i>					W	r?																				
			<i>refID</i>					W	r?																				
			QueryTypeObj					W	r?																				
JMF 11	Command		Producer/Consumer if marked					P	C	P	C																		
			<i>AcknowledgeURL</i>							W	r?																		
			CommandTypeObj							W	r																		
JMF 12	Acknowledge		Producer/Consumer if marked					P	C	P	C																		
			<i>AcknowledgeType</i>							W	r?																		
			<i>all values</i>							W	r?																		
			<i>refID</i>							W	r?																		
			<i>ReturnCode</i>							W	r?																		
JMF 14	AbortQueueEntry	Command	<i>AcknowledgeURL</i>							W	r?																		
			<i>Type</i>							W	r																		
			<i>AbortQueueEntry</i>							W	r																		
			<i>xsi:type</i>							W	r?																		
			<i>CommandAbortQueueEntry</i>							W	r?																		
			QueueEntryDef							W	r																		
			QueueFilter							w?	r																		
JMF 15	QueueEntryDef		<i>QueueEntryID</i>							W	r																		
			Comment - Manager							w?	r?																		
JMF 17 ODP 30	QueueFilter		<i>MaxEntries</i>							W	r																	W	r
			<i>QueueEntryDetails</i>							W	r																	W	r?
			<i>None</i>							W	r																	W	r
			<i>Brief</i>							w?	r																		
			<i>all remaining values</i>							!w	r?																	!w	r?

ICS Table	Element	Message Family	Item(Attrib, Val, Element)	Base		JMF				MIS						MISPrepress				MISFin				LayCrImp		ODP				
				L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L2		L1		L2		
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M
			QueueEntryDef							w?	r																			
JMF 18	AbortQueueEntry	Response	<i>Acknowledged</i>							r	w←																			
			<i>true</i>								r	w←																		
			<i>false</i>								r	w←																		
			<i>Type</i>									r	w																	
			<i>AbortQueueEntry</i>									r	w																	
			<i>xsi:type</i>									r?	w																	
			<i>ResponseAbortQueueEntry</i>									r?	w																	
			Queue							r	w←																			
JMF 19 ODP 32	Queue		<i>Status</i>							r?	w																r?	w		
			<i>DeviceID</i>								r?	w																r?	w	
			QueueEntry								r?	w←																r?	w	
JMF 20 ODP 31	QueueEntry		<i>JobID</i>							r?	w←																r?	w		
			<i>JobPartID</i>								r?	w←																r?	w	
			<i>Priority</i>									r?	w←																	
			<i>QueueEntryID</i>									r?	w															r?	w	
			<i>Status</i>									r?	w																r?	w
			<i>SubmissionTime</i>									r?	w←																	
			<i>Part</i>									r?	w←																	
JMF 21	AbortQueueEntry	Acknowledge	<i>Type</i>							r	w																			
			<i>AbortQueueEntry</i>									r	w																	
			<i>xsi:type</i>									r?	w																	
			<i>AcknowledgeAbortQueueEntry</i>									r?	w																	
			Queue							r	w←																			
JMF 22	HoldQueueEntry	Command	<i>Type</i>							w	r																			
			<i>HoldQueueEntry</i>									w	r																	
			<i>xsi:type</i>									w	r?																	
			<i>CommandHoldQueueEntry</i>									w	r?																	
			QueueEntryDef									w	r																	
			QueueFilter									w←	r																	
JMF 23	HoldQueueEntry	Response	<i>Type</i>							r	w																			
			<i>HoldQueueEntry</i>									r	w																	
			<i>xsi:type</i>									r?	w																	
			<i>ResponseHoldQueueEntry</i>									r?	w																	
JMF 24	KnownControllers	Query	Producer/Consumer if marked					P	C	P	C																			
			<i>Type</i>								w	r																		
			<i>KnownControllers</i>									w	r																	
			<i>xsi:type</i>									w	r?																	
			<i>QueryKnownControllers</i>									w	r?																	
JMF 25	KnownControllers	Response	Producer/Consumer if marked					P	C	P	C																			
			<i>Type</i>								w	r																		
			<i>KnownControllers</i>									w	r																	
			<i>xsi:type</i>									w	r?																	

ICS Table	Element	Message Family	Item(Attrib, Val, Element)	Base		JMF				MIS						MISPrepress				MISFin				LayCrImp		ODP				
				L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L2		L1		L2		
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M
			<i>ResponseKnownControllers</i>																											
			JDFController																											
JMF 26	JDFController		Producer/Consumer if marked			P	C	P	C																					
			<i>ControllerID</i>																											
			<i>URL</i>																											
			<i>DescriptiveName</i>																											
JMF 27	KnownDevices	Query	Producer/Consumer if marked			P	C	P	C																					
			<i>Type</i>																											
			<i>Query</i>																											
			<i>xsi:type</i>																											
			<i>QueryKnownDevices</i>																											
			DeviceFilter																											
JMF 28	DeviceFilter		Producer/Consumer if marked			P	C	P	C																					
			<i>DeviceDetails</i>																											
			<i>None</i>																											
			<i>Brief</i>																											
			<i>Details</i>																											
JMF 29	KnownDevices	Response	Producer/Consumer if marked			P	C	P	C																					
			<i>Type</i>																											
			<i>KnownDevices</i>																											
			<i>xsi:type</i>																											
			<i>ResponseKnownDevices</i>																											
			DeviceList																											
JMF 30	DeviceList		Producer/Consumer if marked			P	C	P	C																					
			DeviceInfo																											
JMF 31 MIS 44	DeviceInfo		Producer/Consumer if marked			P	C	P	C																					
			<i>DeviceID</i>																											
			<i>DeviceOperationMode</i>																											
			<i>all values</i>																											
			<i>DeviceStatus</i>																											
			<i>all values</i>																											
			<i>ProductionCounter</i>																											
			<i>Speed</i>																											
			<i>TotalProductionCounter</i>																											
			Device																											
			Employee - Operator																											
			JobPhase																											
			ModuleStatus																											
MIS 45	JobPhase		<i>Amount</i>																											
			<i>JobID</i>																											
			<i>JobPartID</i>																											
			<i>PhaseAmount</i>																											
			<i>PhaseStartTime</i>																											

ICS Table	Element	Message Family	Item(Attrib, Val, Element)	Base		JMF				MIS						MISPrepress				MISFin		LayCrImp		ODP					
				L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L2		L1		L2	
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
			<i>JobCompletedSuccessfully</i>																										
			<i>PostPressCompleted</i>																										
			<i>PrePressCompleted</i>																										
			<i>PressCompleted</i>																										
			<i>ShippingCompleted</i>																										
JMF 37	Occupation	Query	Producer/Consumer if marked			P	C	P	C																				
			<i>Type</i>					W	r																				
			<i>Occupation</i>					W	r																				
			<i>xsi:type</i>					W	r?																				
			<i>QueryOccupation</i>					W	r?																				
			EmployeeDef					w?	r																				
JMF 38	EmployeeDef		Producer/Consumer if marked			P	C	P	C																				
			<i>PersonalID</i>					W	r																				
JMF 39	Occupation	Response	Producer/Consumer if marked			P	C	P	C																				
			<i>Type</i>					W	r																				
			<i>Occupation</i>					W	r																				
			<i>xsi:type</i>					W	r?																				
			<i>ResponseOccupation</i>					W	r?																				
			Occupation					W	r																				
JMF 40r	Occupation		Producer/Consumer if marked			P	C	P	C																				
			<i>Busy</i>					W	r?																				
			<i>JobID</i>					W	r?																				
			<i>JobPartID</i>					W	r?																				
			<i>QueueEntryID</i>					W	r?																				
			Employee - generic					W	r?																				
			<i>Part</i>					W	r?																				
JMF 44	QueueStatus	Query	<i>Type</i>					W	r																				
			<i>QueueStatus</i>					W	r																				
			<i>xsi:type</i>					W	r?																				
			<i>QueryQueueStatus</i>					W	r?																				
			QueueFilter					W	r																				
JMF 45	QueueStatus	Response	<i>Type</i>					r	W																				
			<i>QueueStatus</i>					r	W																				
			<i>xsi:type</i>					r?	W																				
			<i>ResponseQueueStatus</i>					r?	W																				
			Queue					r	W																				
JMF 46	RemoveQueueEntry	Command	<i>Type</i>					W	r																				
			<i>RemoveQueueEntry</i>					W	r																				
			<i>xsi:type</i>					W	r?																				
			<i>CommandRemoveQueueEntry</i>					W	r?																				
			QueueEntryDef					W	r																				
			QueueFilter					W	r																				
JMF 47	RemoveQueueEntry	Response	<i>Type</i>					r	W																				

ICS Table	Element	Message Family	Item(Attrib, Val, Element)	Base		JMF				MIS						MISPrepress				MISFin				LayCrImp		ODP			
				L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L2		L1		L2	
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
			<i>RemoveQueueEntry</i>						r	w																			
			<i>xsi:type</i>						r?	w																			
			<i>ResponseRemoveQueueEntry</i>						r?	w																			
			Queue						r	w																			
JMF 48	RequestQueueEntry	Command	<i>Type</i>						r	w																			
			<i>RequestQueueEntry</i>						r	w																			
			<i>xsi:type</i>						r?	w																			
			<i>CommandRequestQueueEntry</i>						r?	w																			
			RequestQueueEntryParams						r	w																			
JMF 49	RequestQueueEntryParams		<i>JobID</i>						r	w																			
			<i>JobPartID</i>						r	w?																			
			<i>QueueURL</i>						r	w																			
			<i>Part</i>						r	w?																			
JMF 50	RequestQueueEntry	Response	<i>Type</i>						w	r																			
			<i>RequestQueueEntry</i>						w	r																			
			<i>xsi:type</i>						w	r?																			
			<i>ResponseRequestQueueEntry</i>						w	r?																			
MIS 34	Resource	Query	<i>Type</i>											w	r														
			<i>Resource</i>											w	r														
			<i>xsi:type</i>											w	r?														
			<i>QueryResource</i>											w	r?														
			ResourceQuParams											w	r														
			Subscription											w	r														
MIS 35	ResourceQuParams		<i>Classes</i>											w	r														
			<i>Consumable</i>											w←	r←														
			<i>Handling</i>											w←	r														
			<i>Exact</i>											w?	r														
			<i>false</i>											w←	r														
			<i>true</i>											w←	r														
			<i>JobID</i>											w←	r														
			<i>JobPartID</i>											w?	r														
			<i>QueueEntryID</i>											w?	r														
			<i>ResourceName</i>											w?	r														
			<i>ResourceID</i>											w?	r														
MIS 37	Resource	Registration	<i>Type</i>											w	r														
			<i>Resource</i>											w	r														
			<i>xsi:type</i>											w	r?														
			<i>RegistrationResource</i>											w	r?														
			ResourceCmdParams											w	r														
			Subscription											w	r														
MIS 38	ResourceCmdParams		<i>Exact</i>											w?	r														
			<i>false</i>											w←	r														
			<i>true</i>											w←	r														

ICS Table	Element	Message Family	Item(Attrib, Val, Element)	Base		JMF				MIS						MISPrepress				MISFin				LayCrImp		ODP			
				L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L2		L1		L2	
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
			<i>JobID</i>																										
			<i>JobPartID</i>																										
			<i>Part</i>																										
MIS 39	Resource	Signal	<i>refID</i>									r?	w←																
			<i>Type</i>									r	w																
			<i>Resource</i>									r	w																
			<i>xsi:type</i>									r?	w																
			<i>SignalResource</i>									r?	w																
			<i>ResourceInfo</i>									r	w																
MIS 40	ResourceInfo		<i>ActualAmount</i>									r	w←																
			<i>ResourceID</i>									r	w←																
			<i>AmountPool</i>									r	w←																
			<i>MISDetails</i>									r?	w?																
			<i>Resource</i>									r	w←																
JMF 51	ResubmitQueueEntry	Command	<i>Type</i>									w	r																
			<i>ResubmitQueueEntry</i>									w	r																
			<i>xsi:type</i>									w	r?																
			<i>CommandResubmitQueueEntry</i>									w	r?																
			<i>ResubmissionParams</i>									w	r																
			<i>QueueFilter</i>									w	r																
JMF 52	ResubmissionParams	Command	<i>QueueEntryID</i>									w	r																
			<i>URL</i>									w	r																
JMF 53	ResubmitQueueEntry	Response	<i>Type</i>									r	w																
			<i>ResubmitQueueEntry</i>									r	w																
			<i>xsi:type</i>									r?	w																
			<i>ResponseResubmitQueueEntry</i>									r?	w																
			<i>Queue</i>									r	w																
JMF 54	ResumeQueueEntry	Command	<i>AcknowledgeURL</i>									w←	r?																
			<i>Type</i>									w	r																
			<i>ResumeQueueEntry</i>									w	r																
			<i>xsi:type</i>									w	r?																
			<i>CommandResumeQueueEntry</i>									w	r?																
			<i>QueueEntryDef</i>									w	r																
			<i>QueueFilter</i>									w	r																
JMF 55	ResumeQueueEntry	Response	<i>Acknowledged</i>									r?	w←																
			<i>true</i>									r?	w←																
			<i>false</i>									r?	w←																
			<i>Type</i>									r	w																
			<i>ResumeQueueEntry</i>									r	w																
			<i>xsi:type</i>									r?	w																
			<i>ResponseResumeQueueEntry</i>									r?	w																
			<i>Queue</i>									r	w←																
JMF 56	ResumeQueueEntry	Acknowledge	<i>Type</i>									r	w																

ICS Table	Element	Message Family	Item(Attrib, Val, Element)	Base		JMF				MIS						MISPrepress				MISFin				LayCrImp		ODP			
				L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L2		L1		L2	
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
			<i>ResumeQueueEntry</i>						r	w																			
			<i>xsi:type</i>						r?	w																			
			<i>AcknowledgeResumeQueueEntry</i>						r?	w																			
			Queue						r	w←																			
JMF 57	ReturnQueueEntry	Command	<i>AcknowledgeURL</i>						r?	w?																			
			<i>Type</i>						r	w																			
			<i>ReturnQueueEntry</i>						r	w																			
			<i>xsi:type</i>						r?	w																			
			<i>CommandReturnQueueEntry</i>						r?	w																			
			ReturnQueueEntryParams						r	w																			
JMF 58	ReturnQueueEntryParams	Command	<i>Aborted</i>						r?	w←																			
			<i>Completed</i>						r?	w←																			
			<i>QueueEntryID</i>						r?	w																			
			<i>URL</i>						r?	w																			
			<i>cid:...</i>						r	w																			
JMF 59	ReturnQueueEntry	Response	<i>Acknowledged</i>						w←	r?																			
			<i>true</i>						w←	r?																			
			<i>false</i>						w←	r?																			
			<i>Type</i>						w	r																			
			<i>ReturnQueueEntry</i>						w	r																			
			<i>xsi:type</i>						w	r?																			
			<i>ResponseReturnQueueEntry</i>						w	r?																			
JMF 60	ReturnQueueEntry	Acknowledge	<i>Type</i>						w	r																			
			<i>ReturnQueueEntry</i>						w	r																			
			<i>xsi:type</i>						w	r?																			
			<i>AcknowledgeReturnQueueEntry</i>						w	r?																			
JMF 61	SetQueueEntryPosition	Command	<i>Type</i>						w	r																			
			<i>SetQueueEntryPosition</i>						w	r																			
			<i>xsi:type</i>						w	r?																			
			<i>CommandSetQueueEntryPosition</i>						w	r?																			
			QueueEntryPosParams						w	r																			
			QueueFilter						w	r																			
JMF 62	QueueEntryPosParams	Command	<i>NextQueueEntryID</i>						w←	r																			
			<i>QueueEntryID</i>						w	r																			
			<i>PrevQueueEntryID</i>						w←	r																			
			<i>Position</i>						w←	r																			
JMF 63	SetQueueEntryPosition	Response	<i>Type</i>						r	w																			
			<i>SetQueueEntryPosition</i>						r	w																			
			<i>xsi:type</i>						r?	w																			
			<i>ResponseSetQueueEntryPosition</i>						r?	w																			
			Queue						r	w																			
JMF 64	SetQueueEntryPriority	Command	<i>Type</i>						w	r																			
			<i>SetQueueEntryPriority</i>						w	r																			

ICS Table	Element	Message Family	Item(Attrib, Val, Element)	Base		JMF				MIS						MISPrepress				MISFin				LayCrImp		ODP			
				L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L2		L1		L2	
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
			<i>xsi:type</i>																										
			<i>CommandSetQueueEntryPriority</i>																										
			QueueEntryPriParams																										
			QueueFilter																										
JMF 65	QueueEntryPriParams	Command	<i>Priority</i>																										
			<i>QueueEntryID</i>																										
JMF 66	SetQueueEntryPriority	Response	<i>Type</i>																										
			<i>SetQueueEntryPriority</i>																										
			<i>xsi:type</i>																										
			<i>ResponseSetQueueEntryPriority</i>																										
			Queue																										
MIS 41	Status	Query	<i>Type</i>																										
			<i>Status</i>																										
			<i>xsi:type</i>																										
			<i>QueryStatus</i>																										
			StatusOuParams																										
			Subscription																										
MIS 42	StatusOuParams		<i>DeviceDetails</i>																										
			<i>None</i>																										
			<i>Brief</i>																										
			<i>Details</i>																										
			<i>Modules</i>																										
			<i>all remaining values</i>																										
			<i>EmployeeInfo</i>																										
			<i>JobDetails</i>																										
			<i>Brief</i>																										
			<i>Full</i>																										
			<i>JobID</i>																										
			<i>JobPartID</i>																										
			<i>QueueInfo</i>																										
			<i>false</i>																										
MIS 43	Status	Signal	<i>refID</i>																										
			<i>Type</i>																										
			<i>Status</i>																										
			<i>xsi:type</i>																										
			<i>SignalStatus</i>																										
			DeviceInfo																										
JMF 67	StopPersistentChannel	Command	<i>Type</i>																										
			<i>StopPersistentChannel</i>																										
			<i>xsi:type</i>																										
			<i>CommandStopPersistentChannel</i>																										
			StopPersChParams																										
JMF 68	StopPersChParams	Command	<i>ChannelID</i>																										

ICS Table	Element	Message Family	Item(Attrib, Val, Element)	Base		JMF				MIS						MISPrepress				MISFin				LayCrImp		ODP			
				L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L2		L1		L2	
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
			<i>DeviceID</i>						w?	r																			
			<i>JobID</i>						w←	r																			
			<i>JobPartID</i>						w?	r																			
			<i>QueueEntryID</i>						w?	r																			
			<i>URL</i>						w	r																			
			<i>http://...</i>						w	r																			
			<i>all remaining values</i>					!w	r?																				
JMF 69	StopPersistentChannel	Response	<i>Type</i>						r	w																			
			<i>StopPersistentChannel</i>						r	w																			
			<i>xsi:type</i>						r?	w																			
			<i>ResponseStopPersistentChannel</i>						r	w																			
JMF 70	SubmissionMethods	Query	<i>Type</i>						w	r																			
			<i>SubmissionMethods</i>						w	r																			
			<i>xsi:type</i>						w	r?																			
			<i>QuerySubmissionMethods</i>						w	r?																			
JMF 71	SubmissionMethods	Response	<i>Type</i>						r	w																			
			<i>SubmissionMethods</i>						r	w																			
			<i>xsi:type</i>						r?	w																			
			<i>ResponseSubmissionMethods</i>						r?	w																			
			SubmissionMethods						r	w																			
JMF 72	SubmissionMethods		<i>HotFolder</i>						r?	!w																			
			<i>Packaging</i>						r?	w																			
			<i>URLSchemes</i>						r?	w																			
JMF 73 ODP 27	SubmitQueueEntry	Command	<i>AcknowledgeURL</i>						w	r?																			
			<i>Type</i>						w	r																		w	r
			<i>SubmitQueueEntry</i>						w	r																		w	r
			<i>xsi:type</i>						w	r?																		w	r?
			<i>CommandSubmitQueueEntry</i>						w	r?																		w	r?
			QueueSubmissionParams						w	r																		w	r
			QueueFilter						w←	r																		w	r
JMF 74 ODP 28	QueueSubmissionParams		<i>Hold</i>						w?	r←																			
			<i>Priority</i>						w?	r←																			
			<i>ReturnJMF</i>						w	r																			
			<i>http:...</i>						w	r																			
			<i>ReturnURL</i>						!w	r?																		!w	r?
			<i>URL</i>						w	r																		w	r
			<i>cid:...</i>						w←	r																		w	r
			<i>file:...</i>						w←	r																			
			<i>ftp:...</i>						w?	r?																			
			<i>http:...</i>						w←	r																			
			<i>all remaining values</i>					!w	r?																			w?	r?
			Comment - Manager						w?	r																			
JMF 75	SubmitQueueEntry	Response	<i>Acknowledged</i>						r	w←																			

ICS Table	Element	Message Family	Item(Attrib, Val, Element)	Base		JMF				MIS						MISPrepress				MISFin				LayCrImp		ODP			
				L1		L2		L1		L2		L1		L2		L3		L1		L2		L1		L2		L1		L2	
				M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
ODP 30			<i>true</i>							r	w←																		
			<i>false</i>								r	w←																	
			<i>Type</i>								r	w																r	w
			<i>SubmitQueueEntry</i>								r	w																r	w
			<i>xsi:type</i>								r?	w																r?	w
			<i>ResponseSubmitQueueEntry</i>								r?	w																r?	w
			QueueEntry								r	w←																r	w←
			Queue								r?	w←																r?	w←
JMF 76	SubmitQueueEntry	Acknowledge	<i>Type</i>							r	w																		
			<i>SubmitQueueEntry</i>								r	w																	
			<i>xsi:type</i>								r?	w																	
			<i>AcknowledgeSubmitQueueEntry</i>								r?	w																	
			QueueEntry								r	w←																r	w←
			Queue								r?	w																r?	w
JMF 77	SuspendQueueEntry	Command	<i>AcknowledgeURL</i>							w←	r?																		
			<i>Type</i>								w	r																	
			<i>SuspendQueueEntry</i>								w	r																	
			<i>xsi:type</i>								w	r?																	
			<i>CommandSuspendQueueEntry</i>								w	r?																	
			QueueEntryDef								w	r																	
JMF 78	SuspendQueueEntry	Response	<i>Acknowledged</i>							r?	w←																		
			<i>true</i>								r?	w←																	
			<i>false</i>								r?	w←																	
			<i>Type</i>								r	w																	
			<i>SuspendQueueEntry</i>								r	w																	
			<i>xsi:type</i>								r?	w																	
			<i>ResponseSuspendQueueEntry</i>								r?	w																	
			Queue								r	w←																	
JMF 79	SuspendQueueEntry	Acknowledge	<i>Type</i>							r	w																		
			<i>SuspendQueueEntry</i>								r	w																	
			<i>xsi:type</i>								r?	w																	
			<i>AcknowledgeSuspendQueueEntry</i>								r?	w																	
			Queue								r	w←																	

ICS	ICS Level	MIS ICS			JMF ICS		Base ICS		
		L1	L2	L3	L1	L2	L0	L1	L2
JMF	1								x
	2								x
MIS	1								x
	2				x				x
	2					x			x
	3					x			x
MISPrepress	1	o	o	o		x			x
	2		o	o		x			x
MISFin	1		o	o	x	x			x
	2		o	o		x			x
LayCrimp	1						x		
ODP	1						o	o	o
	2						o	o	o

Description	
	The table above summarizes the Conformance Level tables in each ICS. Each row lists an ICS along with an ICS Level for the ICS. The remaining columns list the MIS, JMF and Base ICSs along with each level.
x	means that the ICS Level for the specified row MUST support the ICS Level specified in the column.
o	means that the ICS Level for the specified row MUST support one of the levels for the ICS that has this mark in a column.