

# Open Printing Reference Card

V 0.01 (2007/07/27)

*created by glen petrie*

## Basic Data Types

OP_BIT8	- unsigned 8-bit	Min: 0	Max: 255
OP_BIT16	- unsigned 16-bit	Min: 0	Max: 65535
OP_BIT32	- unsigned 32-bit	Min: 0	Max: 4294967295
OP_INT8	- signed 8-bit	Min: -128	Max: 127
OP_INT16	- signed 16-bit	Min: -32768	Max: 32767
OP_INT32	- signed 32-bit	Min: -2147483648	Max: 2147483647
OP_BOOL	- Boolean type		
OP_ERR_CODE	- Error code for API's and routines		

NULL	1253
TRUE	7358
FALSE	0
SUCCESSFUL	9751
OP_ERROR_NONE	SUCCESSFUL
OP_ERROR_OPR_FAIL	-1
OP_ERROR_MEMORY_ALLOCATION	-2
OP_ERROR_INVALID_ARG	-3

## Enum Types

[OP_ENM][OP_ENUM_TYPE]	
OP_ENM_BINDING_TYPE	2000
OP_ENM_COLLATE	2001
OP_ENM_COMPRESSION	2002
OP_ENM_CONTACT_INFO_ROLE	2003
OP_ENM_FEED_ORIENTATION	2004
OP_ENM_FIT_POLICY	2005
OP_ENM_FOLDING_TYPE	2006
OP_ENM_HOLD	2007
OP_ENM_IMAGE_ALIGNMENT_X	2008
OP_ENM_IMAGE_ALIGNMENT_Y	2009
OP_ENM_INPUT_TRAY_NAME	2010
OP_ENM_INSERT_SHEET_CONTENT	2011
OP_ENM_JOB_TICKET_TYPE_VERSION	2012
OP_ENM_JOG_OFFSET	2013
OP_ENM_LENGTH_UNIT	2014
OP_ENM_MEDIA_COATING	2015
OP_ENM_MEDIA_COLOR	2016
OP_ENM_MEDIA_PREPRINTED	2017
OP_ENM_MEDIA_TYPE	2018
OP_ENM_OUTPUT_BIN_NAME	2019
OP_ENM_PAGE_DELIVERY	2020
OP_ENM_POSITION	2021
OP_ENM_PRESENT	2022
OP_ENM_PRESENTATION_DIRECTION	2023
OP_ENM_PRINT_CONTENT_OPTIMIZE	2024
OP_ENM_PRINT_QUALITY	2025
OP_ENM_REFERENCE_EDGE	2026

OP_ENM_ROTATION	2027
OP_ENM_SEPARATOR_SHEET	2028
OP_ENM_SHEET_SIDE	2029
OP_ENM_SIDES	2030
OP_ENM_STITCHING_TYPE	2031
OP_ENM_SUBSCRIPTION_EVENT	2032
OP_ENM_TRIMMING_TYPE	2033
OP_ENM_EOL	2034
OP_ENM_EXT	OP_NOT_EXTEN

## Exten & Non-Exten Enum

OP_EXTEN	9876	IsExtensible
OP_NOT_EXTEN	6789	Not Extensible

## Binding Type

[OP_BDT][OP_BINDING_TYPE]	
OP_BDT_NOT_SET	0
OP_BDT_NONE	1
OP_BDT_CHANNEL	2
OP_BDT_EDGE_GLUE	3
OP_BDT_PERFECT	4
OP_BDT_PLASTIC_COMB	5
OP_BDT_RING	6
OP_BDT_SPIRAL	7
OP_BDT_STRIP	8
OP_BDT_TAPE	9
OP_BDT_THREAD_SEAL	10
OP_BDT_VELO	11
OP_BDT_WIRE_COMB	12
OP_BDT_EOL	13
OP_BDT_EXT	OP_EXTEN

## Collate

[OP_CLT][OP_COLLATE]	
OP_CLT_NOT_SET	0
OP_CLT_NONE	1
OP_CLT_SHEET	2
OP_CLT_SHEET_AND_DOC	3
OP_CLT_EOL	4
OP_CLT_EXT	OP_NOT_EXTEN

## Compression

[OP_CMP][OP_COMPRESSION]	
OP_CMP_NOT_SET	0
OP_CMP_NONE	1
OP_CMP_BZIP2	2
OP_CMP_COMPRESS	3
OP_CMP_DEFLATE	4
OP_CMP_GZIP	5
OP_CMP_EOL	6
OP_CMP_EXT	OP_EXTEN

## Contact Info Role

[OP_CIR][OP_CONTACT_INFO_ROLE]	
OP_CIR_NOT_SET	0
OP_CIR_ACCOUNTING	1
OP_CIR_ADMINISTRATOR	2
OP_CIR_APPROVER	3
OP_CIR_ART_RETURN	4
OP_CIR_BILLING	5
OP_CIR_CUSTOMER	6
OP_CIR_DELIVERY	7
OP_CIR_DELIVERY_CHARGE	8
OP_CIR_OWNER	9
OP_CIR_PICKUP	10
OP_CIR_SENDER	11
OP_CIR_SUPPLIER	12
OP_CIR_SURPLUS_RETURN	13
OP_CIR_EOL	14
OP_CIR_EXT	OP_EXTEN

## Feed Orientation

[OP_FDO][OP_FEED_ORIENTATION]	
OP_FDO_NOT_SET	0
OP_FDO_LONG_EDGE_FIRST	1
OP_FDO_SHORT_EDGE_FIRST	2
OP_FDO_EOL	3
OP_FDO_EXT	OP_NOT_EXTEN

## Fit Policy

[OP_FPL][OP_FIT_POLICY]	
OP_FPL_NOT_SET	0
OP_FPL_CLIP_TO_PAGE	1
OP_FPL_FIT_TO_PAGE	2
OP_FPL_ROTATE_AND_OR_FIT	3
OP_FPL_EOL	4
OP_FPL_EXT	OP_NOT_EXTEN

## Folding Type

[OP_FDT][OP_FOLDING_TYPE]	
OP_FDT_NOT_SET	0
OP_FDT_NONE	1
OP_FDT_C	2
OP_FDT_SADDLE	3
OP_FDT_Z	4
OP_FDT_Z_IN_THIRDS	5
OP_FDT_EOL	6
OP_FDT_EXT	OP_EXTEN

## Hold

[OP_HLD][OP_HOLD]	
OP_HLD_NOT_SET	0
OP_HLD_INDEFINITE	1
OP_HLD_NO_HOLD	2
OP_HLD_EOL	3
OP_HLD_EXT	OP_EXTEN

**Image Alignment X**

[OP_IAX][OP_IMAGE_ALIGNMENT_X]	
OP_IAX_NOT_SET	0
OP_IAX_NONE	1
OP_IAX_CENTER	2
OP_IAX_LEFT	3
OP_IAX_RIGHT	4
OP_IAX_EOL	5
OP_IAX_EXT	OP_NOT_EXTEN

**Image Alignment Y**

[OP_IAY][OP_IMAGE_ALIGNMENT_Y]	
OP_IAY_NOT_SET	0
OP_IAY_NONE	1
OP_IAY_BOTTOM	2
OP_IAY_CENTER	3
OP_IAY_TOP	4
OP_IAY_EOL	5
OP_IAY_EXT	OP_NOT_EXTEN

**Input Tray Name**

[OP_ITN][OP_INPUT_TRAY]	
OP_ITN_NOT_SET	0
OP_ITN_ANY_SMALL_FORMAT	1
OP_ITN_ANY_LARGE_FORMAT	2
OP_ITN_AUTO_SELECT	3
OP_ITN_BOTTOM	4
OP_ITN_BYPASS_TRAY	5
OP_ITN_BYPASS_TRAY_1	6
OP_ITN_BYPASS_TRAY_2	7
OP_ITN_BYPASS_TRAY_3	8
OP_ITN_CONTINUOUS	9
OP_ITN_DISC	10
OP_ITN_DISC_1	11
OP_ITN_DISC_2	12
OP_ITN_DISC_3	13
OP_ITN_ENVELOPE	14
OP_ITN_ENVELOPE_1	15
OP_ITN_ENVELOPE_2	16
OP_ITN_ENVELOPE_3	17
OP_ITN_FRONT	18
OP_ITN_INSERT_TRAY	19
OP_ITN_INSERT_TRAY_1	20
OP_ITN_INSERT_TRAY_2	21
OP_ITN_INSERT_TRAY_3	22
OP_ITN_LARGE_CAPACITY	23
OP_ITN_LARGE_CAPACITY_1	24
OP_ITN_LARGE_CAPACITY_2	25
OP_ITN_LARGE_CAPACITY_3	26
OP_ITN_LEFT	27
OP_ITN_MIDDLE	28
OP_ITN_REAR	29
OP_ITN_RIGHT	30
OP_ITN_ROLL	31
OP_ITN_ROLL_1	32

OP_ITN_ROLL_2	33
OP_ITN_ROLL_3	34
OP_ITN_SIDE	35
OP_ITN_TOP	36
OP_ITN_TRAY	37
OP_ITN_TRAY_1	38
OP_ITN_TRAY_2	39
OP_ITN_TRAY_3	40
OP_ITN_EOL	41
OP_ITN_EXT	OP_EXTEN

**Insert Sheet Content**

[OP_ISC][OP_INSERT_SHEET_CONTENT]	
OP_ISC_NOT_SET	0
OP_ISC_BLANK	1
OP_ISC_DUPLICATE	2
OP_ISC_EOL	3
OP_ISC_EXT	OP_NOT_EXTEN

**Job Ticket Type Version**

[OP_JTV][OP_JOB_TICKET_TYPE_VERSION]	
OP_JTV_NOT_SET	0
OP_JTV_AUTO_DETECT	1
OP_JTV_JDF_1_1	2
OP_JTV_JDF_1_2	3
OP_JTV_JDF_1_3	4
OP_JTV_OTHER	5
OP_JTV_PWG_1_0	6
OP_JTV_OP_1_0	7
OP_JTV_EOL	8
OP_JTV_EXT	OP_EXTEN

**Jog Offset**

[OP_JGO][OP_JOG_OFFSET]	
OP_JGO_NOT_SET	0
OP_JGO_NONE	1
OP_JGO_ALTERNATE	2
OP_JGO_EOL	3
OP_JGO_EXT	OP_NOT_EXTEN

**Length Unit**

[OP_LUN][OP_LENGTH_UNIT]	
OP_LUN_NOT_SET	0
OP_LUN_MICROMETERS	1
OP_LUN_POINTS	2
OP_LUN_TEN_THOUSANDTHS_OF_INCHES	3
OP_LUN_EOL	4
OP_LUN_EXT	OP_NOT_EXTEN

**Media Coating Type**

[OP_MCT][OP_MEDIA_COATING]	
OP_MCT_NOT_SET	0
OP_MCT_NONE	1
OP_MCT_COATED	2
OP_MCT_GLOSSY	3
OP_MCT_HIGH_GLOSS	4
OP_MCT_INK_JET	5
OP_MCT_MATTE	6
OP_MCT_SATIN	7
OP_MCT_SEMI_GLOSS	8
OP_MCT_EOL	9
OP_MCT_EXT	OP_NOT_EXTEN

**Media Preprinted**

[OP_MPP][OP_MEDIA_PREPRINTED]	
OP_MPP_NOT_SET	0
OP_MPP_BLANK	1
OP_MPP_LETTERHEAD	2
OP_MPP_PREPRINTED	3
OP_MPP_EOL	4
OP_MPP_EXT	OP_EXTEN

**Media Type**

[OP_MTP][OP_MEDIA_TYPE]	
OP_MTP_NOT_SET	0
OP_MTP_CARD_STOCK	1
OP_MTP_CONTINUOUS	2
OP_MTP_CONTINUOUS_LONG	3
OP_MTP_CONTINUOUS_SHORT	4
OP_MTP_DISC	5
OP_MTP_ENVELOPE	6
OP_MTP_ENVELOPE_PLAIN	7
OP_MTP_ENVELOPE_WINDOW	8
OP_MTP_FILM_PHOTOGRAPHIC	9
OP_MTP_FILM_BACK_PRINT	10
OP_MTP_FULL_CUT_TABS	11
OP_MTP_LABELS	12
OP_MTP_MULTI_LAYER	13
OP_MTP_MULTI_PART_FORMS	14
OP_MTP_PHOTOGRAPHIC	15
OP_MTP_PRE_CUT_TABS	16
OP_MTP_ROLL	17
OP_MTP_STATIONERY	18
OP_MTP_TAB_STOCK	19
OP_MTP_TRANSPARENCY	20
OP_MTP_EOL	21
OP_MTP_EXT	OP_EXTEN

<b>Output Bin Name</b>		OP_MCL_CLEAR_GOLD	22	OP_MCL_DARK_VIOLET	79
[OP_OBN][OP_OUTPUT_BIN_NAME]		OP_MCL_DARK_GOLD	23	OP_MCL_LIGHT_VIOLET	80
OP_OBN_NOT_SET	0	OP_MCL_LIGHT_GOLD	24	OP_MCL_WHITE	81
OP_OBN_BOOKLET	1	OP_MCL_GOLDENROD	25	OP_MCL_CLEAR_WHITE	82
OP_OBN_BOTTOM	2	OP_MCL_CLEAR_GODLENROD	26	OP_MCL_DARK_WHITE	83
OP_OBN_CENTER	3	OP_MCL_DARK_GOLDENROD	27	OP_MCL_LIGHT_WHITE	84
OP_OBN_FACE_DOWN	4	OP_MCL_LIGHT_GOLDENROD	28	OP_MCL_YELLOW	85
OP_OBN_FACE_UP	5	OP_MCL_GRAY	29	OP_MCL_CLEAR_YELLOW	86
OP_OBN_FIT_MEDIA	6	OP_MCL_CLEAR_GRAY	30	OP_MCL_DARK_YELLOW	87
OP_OBN_LARGE_CAPACITY	7	OP_MCL_DARK_GRAY	31	OP_MCL_LIGHT_YELLOW	88
OP_OBN_LEFT	8	OP_MCL_LIGHT_GRAY	32	OP_MCL_EOL	89
OP_OBN_MAILBOX	9	OP_MCL_GREEN	33	OP_MCL_EXT	OP_NOT_EXTEN
OP_OBN_MAILBOX_1	10	OP_MCL_CLEAR_GREEN	34		
OP_OBN_MAILBOX_2	11	OP_MCL_DARK_GREEN	35		
OP_OBN_MAILBOX_3	12	OP_MCL_LIGHT_GREEN	36		
OP_OBN_MIDDLE	13	OP_MCL_IVORY	37	<b>Page Delivery</b>	
OP_OBN_MY_MAILBOX	14	OP_MCL_CLEAR_IVORY	38	[OP_PGD][OP_PAGE_DELIVERY]	
OP_OBN_REAR	15	OP_MCL_DARK_IVORY	39	OP_PGD_NOT_SET	0
OP_OBN_RIGHT	16	OP_MCL_LIGHT_IVORY	40	OP_PGD_FAN_FOLD	1
OP_OBN_SIDE	17	OP_MCL_MAGENTA	41	OP_PGD_REVERSE_ORDER_FACE_DOWN	2
OP_OBN_STACKER	18	OP_MCL_CLEAR_MAGENTA	42	OP_PGD_REVERSE_ORDER_FACE_UP	3
OP_OBN_STACKER_1	19	OP_MCL_DARK_MAGENTA	43	OP_PGD_SAME_ORDER_FACE_DOWN	4
OP_OBN_STACKER_2	20	OP_MCL_LIGHT_MAGENTA	44	OP_PGD_SAME_ORDER_FACE_UP	5
OP_OBN_STACKER_3	21	OP_MCL_MULTI_COLOR	45	OP_PGD_EOL	6
OP_OBN_TOP	22	OP_MCL_CLEAR_MULTI_COLOR	46	OP_PGD_EXT	OP_NOT_EXTEN
OP_OBN_TRAY	23	OP_MCL_DARK_MULTI_COLOR	47		
OP_OBN_TRAY_1	24	OP_MCL_LIGHT_MULTI_COLOR	48	<b>Position</b>	
OP_OBN_TRAY_2	25	OP_MCL_MUSTARD	49	[OP_POS][OP_POSITION]	
OP_OBN_TRAY_3	26	OP_MCL_CLEAR_MUSTARD	50	OP_POS_NOT_SET	0
OP_OBN_EOL	27	OP_MCL_DARK_MUSTARD	51	OP_POS_AFTER	1
OP_OBN_EXT	OP_EXTEN	OP_MCL_LIGHT_MUSTARD	52	OP_POS_BEFORE	2
		OP_MCL_NO_COLOR	53	OP_POS_EOL	3
		OP_MCL_CLEAR_NO_COLOR	54	OP_POS_EXT	OP_NOT_EXTEN
		OP_MCL_DARK_NO_COLOR	55		
		OP_MCL_LIGHT_NO_COLOR	56		
		OP_MCL_ORANGE	57		
<b>Media Color</b>		OP_MCL_CLEAR_ORANGE	58	<b>Present</b>	
[OP_MCL][OP_MEDIA_COLOR]		OP_MCL_DARK_ORANGE	59	[OP_PST][OP_PRESENT]	
OP_MCL_NOT_SET	0	OP_MCL_LIGHT_ORANGE	60	OP_PST_NOT_SET	0
OP_MCL_BLACK	1	OP_MCL_PINK	61	OP_PST_OFF	1
OP_MCL_CLEAR_BLACK	2	OP_MCL_CLEAR_PINK	62	OP_PST_ON	2
OP_MCL_DARK_BLACK	3	OP_MCL_DARK_PINK	63	OP_PST_EOL	3
OP_MCL_LIGHT_BLACK	4	OP_MCL_LIGHT_PINK	64	OP_PST_EXT	OP_EXTEN
OP_MCL_BLUE	5	OP_MCL_RED	65		
OP_MCL_CLEAR_BLUE	6	OP_MCL_CLEAR_RED	66		
OP_MCL_DARK_BLUE	7	OP_MCL_DARK_RED	67		
OP_MCL_LIGHT_BLUE	8	OP_MCL_LIGHT_RED	68		
OP_MCL_BROWN	9	OP_MCL_SILVER	69		
OP_MCL_CLEAR_BROWN	10	OP_MCL_CLEAR_SILVER	70	<b>Presentation Direction</b>	
OP_MCL_DARK_BROWN	11	OP_MCL_DARK_SILVER	71	[OP_PR][OP_PRESENTATION_DIRECTION]	
OP_MCL_LIGHT_BROWN	12	OP_MCL_LIGHT_SILVER	72	OP_PRD_NOT_SET	0
OP_MCL_BUFF	13	OP_MCL_TURQUOISE	73	OP_PRD_TO_RIGHT_TO_BOTTOM	1
OP_MCL_CLEAR_BUFF	14	OP_MCL_CLEAR_TURQUOISE	74	OP_PRD_TO_BOTTOM_TO_RIGHT	2
OP_MCL_DARK_BUFF	15	OP_MCL_DARK_TURQUOISE	75	OP_PRD_TO_LEFT_TO_BOTTOM	3
OP_MCL_LIGHT_BUFF	16	OP_MCL_LIGHT_TURQUOISE	76	OP_PRD_TO_BOTTOM_TO_LEFT	4
OP_MCL_CYAN	17	OP_MCL_VIOLET	77	OP_PRD_TO_RIGHT_TO_TOP	5
OP_MCL_CLEAR_CYAN	18	OP_MCL_CLEAR_VIOLET	78	OP_PRD_TO_TOP_TO_RIGHT	6
OP_MCL_DARK_CYAN	19			OP_PRD_TO_LEFT_TO_TOP	7
OP_MCL_LIGHT_CYAN	20			OP_PRD_TO_TOP_TO_LEFT	8
OP_MCL_GOLD	21			OP_PRD_EOL	9
				OP_PRD_EXT	OP_NOT_EXTEN

**Print Content Optimize**

[OP_PCO][OP_PRINT_CONTENT_OPTIMIZE]		
OP_PCO_NOT_SET	0	
OP_PCO_GRAPHICS	1	
OP_PCO_PHOTO	2	
OP_PCO_TEXT	3	
OP_PCO_TEXT_AND_GRAPHICS	4	
OP_PCO_EOL	5	
OP_PCO_EXT		OP_NOT_EXTEN

**Print Quality**

[OP_PQ][OP_PRINT_QUALITY]		
OP_PQL_NOT_SET	0	
OP_PQL_DRAFT	1	
OP_PQL_HIGH	2	
OP_PQL_NORMAL	3	
OP_PQL_EOL	4	
OP_PQL_EXT		OP_NOT_EXTEN

**Reference Edge**

[OP_RFE][OP_REFERENCE_EDGE]		
OP_RFE_NOT_SET	0	
OP_RFE_BOTTOM	1	
OP_RFE_LEFT	2	
OP_RFE_RIGHT	3	
OP_RFE_TOP	4	
OP_RFE_EOL	5	
OP_RFE_EXT		OP_NOT_EXTEN

**Rotation**

[OP_ROT][OP_ROTATION]		
OP_ROT_NOT_SET	0	
OP_ROT_0_DEGREES	1	
OP_ROT_180_DEGREES	2	
OP_ROT_270_DEGREES	3	
OP_ROT_90_DEGREES	4	
OP_ROT_EOL	5	
OP_ROT_EXT		OP_NOT_EXTEN

**Separator Sheet**

[OP_SSH][OP_SEPARATOR_SHEET]		
OP_SSH_NOT_SET	0	
OP_SSH_AFTER_DOC_COPIES	1	
OP_SSH_AFTER_JOB	2	
OP_SSH_BEFORE_DOC_COPIES	3	
OP_SSH_BEFORE_JOB	4	
OP_SSH_BETWEEN_DOC_COPIES	5	
OP_SSH_BETWEEN_JOB_COPIES	6	
OP_SSH_EOL	7	
OP_SSH_EXT		OP_NOT_EXTEN

**Sheet Side**

[OP_SSD][OP_SHEET_SIDE]		
OP_SSD_NOT_SET	0	
OP_SSD_BACK	1	
OP_SSD_FRONT	2	
OP_SSD_EOL	3	
OP_SSD_EXT		OP_NOT_EXTEN

**Sides**

[OP_SID][OP_SIDES]		
OP_SID_NOT_SET	0	
OP_SID_ONE_SIDED_FRONT	1	
OP_SID_ONE_SIDED_LONG_EDGE_BACK	2	
OP_SID_ONE_SIDED_SHORT_EDGE_BACK	3	
OP_SID_TWO_SIDED_LONG_EDGE	4	
OP_SID_TWO_SIDED_SHORT_EDGE	5	
OP_SID_EOL	6	
OP_SID_EXT		OP_NOT_EXTEN

**Stitching Type**

[OP_STP][OP_STITCHING_TYPE]		
OP_STP_NOT_SET	0	
OP_STP_NONE	1	
OP_STP_CORNER	2	
OP_STP_SADDLE	3	
OP_STP_SIDE	4	
OP_STP_EOL	5	
OP_STP_EXT		OP_NOT_EXTEN

**Subscription Event**

[OP_SEV][OP_SUBSCRIPTION_EVENT]		
OP_SEV_NOT_SET	0	
OP_SEV_JOB_COMPLETED	1	
OP_SEV_JOB_CONFIG_CHANGED	2	
OP_SEV_JOB_CREATED	3	
OP_SEV_JOB_ERROR	4	
OP_SEV_JOB_PROGRESS	5	
OP_SEV_JOB_STATE_CHANGED	6	
OP_SEV_JOB_STATE_ONLY_CHANGED	7	
OP_SEV_JOB_STOPPED	8	
OP_SEV_JOB_WARNING	9	
OP_SEV_EOL	10	
OP_SEV_EXT		OP_EXTEN

**Trimming Type**

[OP_TTP][OP_TRIMMING_TYPE]		
OP_TTP_NOT_SET	0	
OP_TTP_NONE	1	
OP_TTP_FACE	2	
OP_TTP_GUTTER	3	
OP_TTP_TAB	4	
OP_TTP_TRIM	5	
OP_TTP_EOL	6	
OP_TTP_EXT		OP_NOT_EXTEN

**Objects**

[OP_OBJ][OP_OBJECT_TYPE]		
OP_OBJ_CONTACT_INFO	1000	
OP_OBJ_DATE_TIME	1001	
OP_OBJ_DESTINATION	1002	
OP_OBJ_DOCUMENT	1003	
OP_OBJ_FOLDING	1004	
OP_OBJ_FORCE_PAGE	1005	
OP_OBJ_HOLE_MAKING	1006	
OP_OBJ_INSERT_SHEET	1007	
OP_OBJ_JOB	1008	
OP_OBJ_MEDIA	1009	
OP_OBJ_PAGE_OVERRIDES	1010	
OP_OBJ_PAGE_RANGE	1011	
OP_OBJ_SEPARATOR_SHEET	1012	
OP_OBJ_STITCHING	1013	
OP_OBJ_SUBSCRIPTION	1014	
OP_OBJ_TRIMMING	1015	
OP_OBJ_EOL	2016	
OP_OBJ_EXT		OP_NOT_EXTEN

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V 0.01 (2007/07/27)

*created by glen petrie*

## JTAPI Identifiers

OP_JOB_CONTACT_INFO	OP_JCON	0
OP_JOB_DESTINATION	OP_JDES	1
OP_JOB_DOCUMENT	OP_JDOC	2
OP_JOB_FOLDING	OP_JFLD	3
OP_JOB_FORCE_PAGE	OP_JFOR	4
OP_JOB_HOLE_MAKING	OP_JHOL	5
OP_JOB_INSERT_SHEET	OP_JINS	6
OP_JOB_JOB	OP_JJOB	7
OP_JOB_JOB_TICKET_INFO	OP_JTIC	8
OP_JOB_MEDIA	OP_JMED	9
OP_JOB_PAGE_RANGE	OP_JPRA	10
OP_JOB_SEPARATOR_SHEET	OP_JSEP	11
OP_JOB_STITCHING	OP_JSTI	12
OP_JOB_SUBSCRIPTION	OP_JSUB	13

## OP\_STITCH [OP\_STITCH\_ID]

OP_STP	type	- Stitch Type
OP_BIT32	count	- Hole Count
OP_INT32	angle	- Stitch Angle
OP_RFE	refEdge	- Reference Edge

## OP\_HOLE\_MK [OP\_HOLE\_MK\_ID]

OP_BIT32	count	- Hole Count
OP_RFE	refEdge	- Reference Edge
void*	next	- Next

## OP\_FOLD [OP\_FOLD\_ID]

OP_FDT	foldType	- Folding Type
OP_RFE	refEdge	- Reference Edge
void*	next	- Next

## OP\_DEST [OP\_DEST\_ID]

char*	uri	- Target URI
void*	next	- Next

## OP\_MEDIA [OP\_MEDIA\_ID]

char*	name	- Media Name
char*	description	- Description
OP_MTP	type	- Media Type
OP_BIT32	precentRecycled	- % Recycled
char*	sizeName	- Media Size Name
OP_BIT32	xDim	- X Dimension
OP_BIT32	yDim	- Y Dimension
OP_MCL	color	- Media Color
char*	colorName	- Color Name
OP_MPP	preprinted	- Preprinted Media
OP_BIT32	weight	- Media Weight
OP_MCT	frontCoating	- Front Coating
OP_MCT	backCoating	- Back Coating
OP_BIT32	setCount	- Set Count
OP_BIT32	holeCount	- Hole Count
OP_PST	manualFeed	- Have Manual
OP_ITN	feedTray	- In put Feed tray
void*	next	- Next

## OP\_PAG\_RNG [OP\_PAG\_RNG\_ID]

OP_INT32	lower	- Lower Page Range
OP_INT32	upper	- Upper Page Range
void*	next	- Next

## OP\_INS\_SHEET [OP\_INS\_SHEET\_ID]

OP_ISC	content	- Content
OP_BIT32	count	- Count
OP_MEDIA	media	- Media
OP_POS	position	- Position
OP_PAG_RNG_ID	insertPageRange	- Page
void*	next	- Next

## OP\_FRC\_PAGE [OP\_FRC\_PAGE\_ID]

OP_INT32	xPos	- X Position
OP_INT32	yPos	- Y Position
OP_BIT32	page	- Page
OP_SSD	side	- Sheet Side
void*	next	- Next

## OP\_SEP\_SHEET [OP\_SEP\_SHEET\_ID]

char*	message	- Message
OP_SSH	action	- Action
OP_MEDIA_ID	media	- Media
void*	next	- Next

## OP\_SUBSCR [OP\_SUBSCR\_ID]

char*	charSet	- Char Set
char*	comment	- Comment
OP_SEV*	events	- Trigger Event
char**	jobAttr	- Job Attribute
char*	naturalLang	- Natural Language
char*	sendToUri	- Send URI
void*	next	- Next

## OP\_CONT\_INFO [OP\_CONT\_INFO\_ID]

char*	address	- Physical Mail
char*	company	- Company
char*	contactUri	- Contact URI
char*	details	- Details
char*	name	- Contact Name
OP_CIR*	roles	- List of Roles
void*	next	- Next

## OP\_DOC [OP\_DOC\_ID]

char*	docURI	- Doc URI
OP_PAG_RNG	docPageRange	- Page Range
OP_FRC_PAGE_ID	docForcePageId	-
OP_INS_SHEET_ID	docInsertSheetId	-
void*	next	- Next

## OP\_JBTK\_INFO [OP\_JBTK\_INFO\_ID]

char*	author	- Author
char*	version	- JT API Version
char*	charSet	- Character Set
char*	comment	- Comment
OP_JTV	typeVers	- Type & Version
char*	apiCharSet	- Character Set
char*	apiVersion	- API Version
OP_PST	fidelity	- Presence Fidelity
OP_LUN	lengthUnits	- Length Units
char*	company	- Contact Company
char*	contactUri	- Contact URI
char*	details	- Details
char*	name	- Contact Person
char*	roles	- Roles
OP_JOB_ID	jobId	- Job
void*	next	- Next

**OP\_JOB [OP\_JOB\_ID]**

char*	author	- Author (creator)	>> Margins		
char*	name	- Job Name	OP_INT32	topMargin	- Top Margin
char*	comment	- Comment	OP_INT32	leftMargin	- Left Margin
char*	operMessage	- Oper Message	OP_INT32	bottomMargin	- Bottom Margin
OP_BIT32	priority	- Job Priority	OP_INT32	rightMargin	- Right Margin
char*	format	- Job Format			
char*	language	- Doc natural Lang	>> Accounting		
OP_CMP	compression	- Comp Scheme	char*	billingCode	- Billing Code
			char*	client	- Client Identifier

## &gt;&gt; Job Objects

OP_DOC_ID	docId	- First Doc
OP_PAG_RNG_ID	includePagesId	- Include
OP_PAG_RNG_ID	outputPagesId	- Output
OP_DEST_ID	distinationId	- First Dest
OP_CONT_INFO_ID	contactInfoId	- Contacts
OP_SUBSCR_ID	subscrId	- 1 <sup>st</sup> Subscription
OP_SEP_SHEET_ID	sepShtId	- 1 <sup>st</sup> Sep Sheet
OP_FRC_PAGE_ID	forcePageId	- 1 <sup>st</sup> Force Page
OP_INS_SHEET_ID	insertSheetId	- 1 <sup>st</sup> Insert Sht
OP_HOLE_MK_ID	holeMkId	- 1 <sup>st</sup> Hold Making
OP_MEDIA	media	- Job Media
OP_FOLD	fold	- Folding
OP_STITCH	stitch	- Stitching

## &gt;&gt; Policies and Actions

OP_CLT	collate	- Collate
OP_FDO	feedOrient	- Feed Orientation
OP_PRD	presentationDir	- Pre Dir
OP_FPL	fitPolicy	- Fit Policy
OP_HLD	holdPolicy	- Hold Policy
OP_OBN	outputBin	- Output Bin
OP_PGD	outputDelivery	- Place Output
OP_JGO	jogOffset	- Jog Offset
OP_BDT	binding	- Job Binding
OP_SID	sides	- Sides

## &gt;&gt; Print Format Attributes

OP_BIT32	xRes	- X Resolution
OP_BIT32	yRes	- Y Resolution
OP_PQL	quality	- Print Quality
OP_BIT32	xScale	- X Scale Factor
OP_BIT32	yScale	- Y Scale Factor
OP_ROT	rotation	- Rotation
OP_BIT32	copies	- Number of Copies
OP_BIT32	xNumUp	- X Number Up
OP_BIT32	yNumUp	- Y Number Up

## &gt;&gt; Image Attributes

OP_IAX	xImageAlign	- X Dim Align
OP_IAY	yImageAlign	- Y Dim Align
OP_INT32	xImageShiftBack	- X Shift Back
OP_INT32	yImageShiftBack	- Y Shift Back
OP_INT32	xImageShiftFront	- X Shift Front
OP_INT32	yImageShiftFront	- Y Shift Front