Adabas Control Block Structure

- ACB Control Block
- ACBX Control Block

ACB Control Block

DSECT Name	Field	Control Block Position	Offset	Length (in Bytes)	Format
ACBTYPE	Call Type	1	00	1	binary
reserved	(reserved)	2	01	1	binary
ACBCMD	Command Code	3-4	02	2	alphanumeric
ACBCID	Command ID	5-8	04	4	alphanumeric / binary
ACBFNR	File Number	9-10	08	2	binary
ACBRSP	Response Code	11-12	0A	2	binary
ACBISN	ISN	13-16	0C	4	binary
ACBISL	ISN Lower Limit	17-20	10	4	binary
ACBISQ	ISN Quantity	21-24	14	4	binary
ACBFBL	Format Buffer Length	25-26	18	2	binary
ACBRBL	Record Buffer Length	27-28	1A	2	binary
ACBSBL	Search Buffer Length	29-30	1C	2	binary
ACBVBL	Value Buffer Length	31-32	1E	2	binary
ACBIBL	ISN Buffer Length	33-34	20	2	binary
ACBCOP1	Command Option 1	35	22	1	alphanumeric
ACBCOP2	Command Option 2	36	23	1	alphanumeric
ACBADD1	Additions 1	37-44	24	8	alphanumeric / binary

DSECT Name	Field	Control Block Position	Offset	Length (in Bytes)	Format
ACBADD2	Additions 2	45-48	2C	4	alphanumeric / binary
ACBADD3	Additions 3	49-56	30	8	alphanumeric
ACBADD4	Additions 4	57-64	38	8	alphanumeric
ACBADD5	Additions 5	65-72	40	8	alphanumeric / binary
ACBCMDT	Command Time	73-76	48	4	binary
ACBUSER	User Area	77-80	4C	4	not applicable

ACBX Control Block

DSECT Field Name	Field	Control Block Position	Offset	Length (in bytes)	Format
ACBXTYP	Call Type	1	00	1	binary
ACBXRSV1	Reserved 1	2	01	1	binary
ACBXVER	Version Indicator	3-4	02	2	binary
ACBXLEN	ACBX Length	5-6	04	2	binary
ACBXCMD	Command Code	7-8	06	2	alphanumeric
ACBXRSV2	Reserved 2	9-10	08	2	binary
ACBXRSP	Response Code	11-12	0A	2	binary
ACBXCID	Command ID	13-16	0C	4	alphanumeric/ binary
ACBXDBID	Database ID	17-20	10	4	numeric
ACBXFNR	File Number	21-24	14	4	numeric
ACBXISNG	8-Byte ISN	25-32	18	8	do not use
ACBXISN	ISN	29-32	1C	4	binary
ACBXISLG	8-Byte ISN Lower Limit	33-40	20	8	do not use
ACBXISL	ISN Lower Limit	37-40	24	4	binary
ACBXISQG	8-Byte ISN Quantity	41-48	28	8	do not use
ACBXISQ	ISN Quantity	45-48	2C	4	binary
ACBXCOP1	Command Option 1	49	30	1	alphanumeric
ACBXCOP2	Command Option 2	50	31	1	alphanumeric

DSECT Field Name	Field	Control Block Position	Offset	Length (in bytes)	Format
ACBXCOP3	Command Option 3	51	32	1	alphanumeric
ACBXCOP4	Command Option 4	52	33	1	alphanumeric
ACBXCOP5	Command Option 5	53	34	1	alphanumeric
ACBXCOP6	Command Option 6	54	35	1	alphanumeric
ACBXCOP7	Command Option 7	55	36	1	alphanumeric
ACBXCOP8	Command Option 8	56	37	1	alphanumeric
ACBXADD1	Additions 1	57-64	38	8	alphanumeric/ binary
ACBXADD2	Additions 2	65-68	40	4	binary
ACBXADD3	Additions 3	69-76	44	8	alphanumeric/ binary
ACBXADD4	Additions 4	77-84	4C	8	alphanumeric
ACBXADD5	Additions 5	85-92	54	8	alphanumeric/ binary
ACBXADD6	Additions 6	93-100	5C	8	alphanumeric/ binary
ACBXRSV3	Reserved 3	101-104	64	4	binary
ACBXERRG	Error Offset in Buffer (64-bit)	105-112	68	8	do not use
ACBXERRA	Error Offset in Buffer (32-bit)	109-112	6C	4	binary
ACBXERRB	Error Character Field	113-114	70	2	alphanumeric
ACBXERRC	Error Subcode	115-116	72	2	binary
ACBXERRD	Error Buffer ID	117	74	1	alphanumeric
ACBXERRE	Reserved for future use	118	75	1	do not use
ACBXERRF	Error Buffer Sequence Number	119-120	76	2	numeric
ACBXSUBR	Subcomponent Response Code	121-122	78	2	binary
ACBXSUBS	Subcomponent Response Subcode	123-124	7A	2	binary
ACBXSUBT	Subcomponent Error Text	125-128	7C	4	alphanumeric
ACBXLCMP	Compressed Record Length	129-136	80	8	binary

DSECT Field Name	Field	Control Block Position	Offset	Length (in bytes)	Format
ACBXLDEC	Decompressed Record Length	137-144	88	8	binary
ACBXCMDT	Command Time	145-152	90	8	binary
ACBXUSER	User Area	153-168	98	16	not applicable
ACBXRSV4	Reserved 4	169-193	A8	24	do not touch