Adabas Commands

Each Adabas command is described in the table below; select a command to see detailed control block and buffer information for it. In addition, the following summary tables are provided showing the use of the ACB, ACBX, and buffers by all Adabas commands:

- Adabas Command ACBs
- ACB Command Buffers
- Adabas Command ACBXs
- ACBX Command ABDs and Buffers

Note:

We recommend that you set unused ACB and ACBX fields to binary zeros before a direct call is initiated.

Command Code	Summary	Description
A1	Update record	Update record(s) (hold option)
BT	Backout transaction	Remove database updates for ET logic users
C1	Write checkpoint	Write command ID, PLOG, RABN RABN checkpoint, buffer flush option
C3	Write SYNX-03 checkpoint	Write SYNX-03 checkpoint for exclusive control update users; option to store user data
C5	Write user data to protection log	Write user data on SIBA/PLOG
CL	Close user session	End ET session and update database
E1	Delete record / refresh file	Delete record (hold option) or refresh file
ET	End transaction	End and save current transaction
HI	Hold record	Prevent record update by other users
L1	Read record	Read record of specified ISN
L2	Read physical sequential record	Read records in physical order
L3	Read logical sequential record	Read records in descriptor value order
L4	Read and hold record	Read record and hold, "wait for held record/issue return code" option
L5	Read physical sequential record and hold	Read records in physical order and hold, "wait/issue return code" option

Command Code	Summary	Description
L6	Read logical sequential record and hold	Read records in descriptor value order with "wait/issue return code" option
L9	Read descriptor values	Read the values of a specified descriptor
LF	Read field definition	Read the characteristics of all fields in a file
N1	Add record with Adabas-assigned ISN	Add new database record with ISN assigned by Adabas
N2	Add record with user-assigned ISN	Add new database record with user-assigned ISN
OP	Open user session	Open user session
RC	Release command ID or global format ID	Release one or more command IDs or a global format ID for the issuing user
RE	Read ET user data	Read ET data for this, another, or all users
RI	Release held record and ISN	Release held record and ISN
S1	Find records	Return count and ISNs of records satisfying the search criterion
S2	Find records in user-specified order	Return count of records and ISNs in user-specified order
S4	Find records and hold	Return count and ISNs of records satisfying the search criterion and put first ISN in list on hold
S5	Find coupled ISNs	Return or save a list of coupled ISNs for the specified file
S8	Process ISN lists	Combine two ISN lists from the same file with an AND, OR, or NOT operation
S 9	Sort ISN lists	Sort ISN list in ascending ISN or descriptor-specified sequence

Adabas includes some V* and Y* commands, which you may see mentioned in Adabas shutdown statistics or in Adabas Online System (AOS) screens. These commands are used internally by Adabas and Adabas add-on products and should not be used in direct calls in your applications. Should you use them, errors will result.

Adabas Command ACBs

	S9	1	1	2	S	S	¥	¥	S	¥.	1	1	1	1	S	S	S	S	1	¥	¥.	1	\$	2
	88	1	1	S.	S	S	4	¥	S	4 F	1	1	1	1	S	S	S	S	1	×.	1	1	4	Ş
	35		1	5	5	5	4	1	5	4					5	5	5	5		₹			4	Ş
	-	<u> </u>		ш	LL.	ш.	1	ш.	ш.	1					ш.	ш.	LL.	LL.		ш.			1	-
	S1/S2/S4	1	1	FlU	Fl	FlU	A/	A/	FU	F/A	FU	FIU	FU	FU	Fl	FU	Fl	FU	A/	F/A	F/A	FU	A/	∩/
	R	1	1	S	1	ß	¥-	ß	1	I	1	I	1	1	1	1	1	1	1	1	T	1	٩	Ş
	RE	1	1	S	¥	S	¥	РÅ	1	I	1	ΒĨ	1	1	1	S	I	F/**	¥	1	1	1	¥	Ş
	RC	1	1	Γ̈́	55	Γ	¥-	1	1	I	1	1	1	1	1	Β̈́	Ρ̈́	ΓΩ	1	1	1	Β̈́	¥-	Ś
	Р	1	1	FU	₹/-	FU	×۱–	¥/-	F/A	F/A	1	FU	1	1	1	FU	Γ	٢Ū	×۱–	1	F/A	×۱–	¥/	S
	N1/N2	1	1	FU	Γſ	FU	A/	F/*	A/	∀/	FU	FN	1	1	1	1	1	1	A/	F/A	F/A	FU	A/	٩ ا
	5	1	1	5	1	Ϋ́	¥-	1	1	1	1	ΓΩ	1	1	1	1	Š	1	1	FA	1	1	¥-	¥/
	6	1	1	ΓS	S	ß	×.	¥-	F/A	¥-	ß	Γ	ΓS	ß	ß	ΓS	S	ß	¥-	F/A	1	ΓS	×.	2
	L3/L6	1	1	FU	FU	Γ̈́	AI-	FIA	FU	1	Ŀ	FN	ΓŪ	Ŀ	Γ̈́	ΓŪ	FU	F/A	A-	FIA	FIA	Γſ	AI-	∩/
mmand	L2/L5	1	1	Γ	IJ.	ΓΩ	A/	F/A	FU	1	Γ.	FU	1	1	ΓΩ	ΓΩ	1	1	A/	F/A	F/A	FU	A/	/N
ပိ	L1/L4	1	1	FU	FU	FU	A!	FU	FU	1	FU	FU	1	1	FU	FU	FU	1	A!	F/A	F/A	FU	A/	-10
	Ŧ	1	1	ΓS	1	ΓS	Ą	S	1	1	1	1	1	1	1	ΓS	1	1	1	1	1	1	Ą	2
	E	1	1	S	Ą	Ę	¥-	1	ΓS	Ą	1	Γ	1	1	Ε̈́	ΓS	S	1	1	1	1	1	4	Ş
	Ξ	1	1	S	5.	S	¥.	S	¥	¥.	1	1	1	1	1	ΓS	1	1	1	F/A	F/A	1	4 I	Ş
	ч	1	1	Ϋ́	¥.	Ϋ́	¥.	¥-	¥.	¥-	1	Γ̈́	1	1	1	1	Š	1	1	1	1	1	¥.	Ş
	S	1	1	Ϋ́	1	Ϋ́	¥.	1	i	1	1	ß	1	1	1	ß	1	5.	1	1	1	1	¥.	Ş
	ដ	1	1	ΓΩ	1	Ϋ́	¥.	1	1	1	1	Ϋ́	1	1	1	1	ß	1	1	1	1	1	¥.	Ş
	£	1	1	S	КÅ	Ρ	¥-	1	1	1	1	1	1	1	1	ΓΩ	S	1	1	1	1	1	¥-	¥/
	BT	1	1	ß	Al-	Ϋ́	¥-	1	ΓΩ	1	1	1	1	1	Ϋ́	ΓĹ	S	1	1	1	1	1	¥-	5
	A1	1	1	ß	S	Ϋ́	¥-	S	¥,	¥	S	Ϋ́	1	1	1	Γ	S	1	¥-	۴A	۴A	Γ	¥	Ş
Format		binary	binary	alphanumeric	alpha/bin	binary	alphanumeric	alphanumeric	alpha/bin	alpha/bin	alphanumeric	alphanumeric	alpha/bin	binary	1									
Docition		-	2	3-4	5-8	9-10	11-12	13-16	17-20	21-24	25-26	27-28	29-30	31-32	33-34	35	36	37-44	45-48	49-56	57-64	65-72	73-76	77-80
Field		ACBTYPE	reserved	ACBCMD	ACBCID	ACBFNR	ACBRSP	ACBISN	ACBISL	ACBISQ	ACBFBL	ACBRBL	ACBSBL	ACBVBL	ACBIBL	ACBCOP1	ACBCOP2	ACBADD1	ACBADD2	ACBADD3	ACBADD4	ACBADD5	ACBCMDT	ACBUSER

Key:

alpha/bin: alphanumeric/binary ---: not applicable

if data supplied before the Adabas call, action code is to the left of the slash; if data supplied after the Adabas call, action code is to the right of the slash

1223575

Supplied by user Supplied by Adabas Unchanged after Adabas call

"A" N1; "U" for N2 If Command Option 1 specifies "A", this field returns the user ID for the user data contained in the record buffer at the end of this and each following RE operation.

We recommend that you set unused ACB fields to binary zeros before a direct call is initiated.

ACB Command Buffers

	S	/*	/*	/*	/*	F/A
	%	*	*	/*	/*	∀/
	S5	7*	/*	/*	/*	A/
	S1/S2/S4	FU	A/	FN	FN	A/
	Ы	1	1	1	ł	I
	RE	/*	A/-	1	1	I
	ß	1	1	1	1	I
	P	/*	FA	1	1	I
	N1/N2	FU	F/U	1	I	1
	5	/*	A)—	I	I	I
	F3	FU	A/-	FU	FU	A/
mmand	L3/L6	FN	A/	F/U	FN	F/U
ပိ	L2/L5	FU	A/		1	F/U
	L1/L4	FN	A/			A/
	∓	1	1	1	1	I
	ET	/*	Ρ	I	I	F/U
	ñ	1	1	1	1	I
	ರ	/*	S	1	1	I
	S	/*	ß	1	1	1
	ប	/*	S	I	I	I
	õ	1	1	1	1	1
	BT	1	1	1	1	ΓĮ
	A1	ß	ß	I	1	I
Duffer		Format	Record	Search	Value	ISN

Key:

- not applicable ï₂∉¥ö;
- if data supplied before the Adabas call, action code is to the left of the slash; if data supplied after the Adabas call, action code is to the right of the slash

- Supplied by user Supplied by Adabas Unchanged after Adabas call Not used, but must be included in parameter list of call statement

Adabas Command ACBXs

Ciola		Econord										ပိ	mmand												
			A1	B	ប	ប	ن 8	ರ	ñ	۲	Ξ	L1/L4	L2/L5	L3/L6	5	5	N1/N2	ď	ñ	쀭	₽	S1/S2/S4	S5	S8	ŝ
ACBXTY	٩ ۲	binary	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1
ACBXVE	R 34	binary	ß	5	5	5 U	ß	ß	Γ	ΓĹ	Γ	FU	FU	FU	ß	Γ	FU	Ŀ	ß	ß	Γ	F/U	FU	ß	ß
ACBXLE	N	binary	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1
ACBXCM	D 7-8	alphanumeric	£	5	5	5 5	ß	S	ß	S	Ϋ́	FU	FU	FU	S	ß	FU	S	Ϋ́	S	ΓS	FU	ß	F	ΓS
ACBXRS	P 11-12	binary	7	A I I	1	4) F	¥-	¥	A/-	A.	Ą	A/	A/	AI-	4	¥.	Al	¥-	4	4	¥.	A/	¥	¥-	¥-
ACBXCI	D 13-16	alpha/bin	Ę	¥.	F/A	1	1	FA	ß	¥-	1	FU	FU	ΓĹ	Ę	1	F/U	¥!	5.	¥.	1	FU	Γ	FU	FU
ACBXDB	ID 17-20	numeric	Ę	ß	5	Γ	ß	S	ΡJ	Β̈́	ß	FU	FU	ΓĹ	Ę	ß	F/U	ß	ß	ß	Γ	FN	ΕŪ	Ę	Ę
ACBXFN	R 21-24	numeric	5	ß	1	1	ß	1	Γ	1	ß	FN	FU	FU	Ę	ΒĨ	F/U	1	Ϋ́	Β̈́	Γ	FN	FU	ß	Γ
ACBXIS	N 29-32	binary	£	1	1	1	1	1	ß	1	Š	FU	F/A	FIA	4	1	F/*	¥-	1	ΡΆ	ΓΩ	A/	F/A	¥-	¥-
ACBXIS	L 37-40	binary	ł	FU FU	1	1	1	1	۹/–	S	1	FU	FU	Γ	₹ĕ	1	A/	ΡΆ	1	1	1	FU	ß	S	ß
ACBXIS	Q 45-48	binary	4		1	1	1	1	٩/-	¥	1	1	1	1	¥	1	A/	БÅ	1	1	1	FIA	¥-	AI-	FA
ACBXCO	P1 49	alphanumeric	5	ß	5		ß	ß	Γ	ΓŪ	ß	FN	FU	FU	Ę	1	1	ß	Ϋ́	Β̈́	1	FN	ΓΩ	ß	ß
ACBXCO	P2 50	alphanumeric	ß	ΒŢ	5	F.	1	ß	1	ΓŪ	1	FU	1	FU	ß	Γ	1	ΓΩ	ŝ	1	1	FN	FU	ß	ß
ACBXCO	P3 51	alphanumeric	1	5	1	I	1	I	1	Β̈́Ε	ß	FU	FU	ΓĹ	1	1	1	1	1	1	ß	FN	1	1	1
ACBXAD	D1 57-64	alpha/bin	1	1	1	I	ß	1	1	1	1	1	1	FIA	Ę	1	1	ß	Ϋ́	F/**	1	FN	FU	ΕĽ	Γ
ACBXAD	D2 65-68	alphanumeric	Ą		1	1	1	1	1	1	1	A/	A/	4/	1	1	A/	¥-	1	Ą	1	A/	1	1	1
ACBXAD	D3 69-76	alpha/bin	Ę	1	1	1	1	1	F/A	1	1	F/A	F/A	FIA	₹	F/A	F/A	1	1	1	1	F/A	F/A	F/Α	FΆ
ACBXAD	D4 77-84	alphanumeric	Ę	1	1	1	1	1	F/A	1	1	F/A	F/A	FIA	1	1	FIA	РA	1	1	1	F/A	1	1	F/A
ACBXAD	D5 85-92	alpha/bin	S	1	1	1	1	1	1	1	1	FU	FU	Γſ	S	1	FU	¥-	5.	1	1	FU	1	1	1
ACBXER	RA 109-112	binary	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1		1	I	I
ACBXER	RB 113-114	alphanumeric	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ACBXER	RC 115-116	binary	4	A-A	1	A - A	A/	¥-	Al-	- N	A)	A/	A/	A/	¥-	A/	A/	A/	¥.	¥/	A/	A!	¥/	A/	A)—
ACBXER	RD 117	alphanumeric	1	1	1	1	1	ł	I	1	1	1	1	1	1	1	1	I	1	1	1	1	T	1	I
ACBXERI	RF 119-120	numeric	1	1	1	1	1	ł	I	1	1	1	1	1	1	1	1	T	1	T	1	1	T	1	1
ACBXSUI	3R 121-122	binary	1	1	1	1	1	I	I	1	1		1	1	1	1	1	1	1	1	1		I	1	1
ACBXSU	BS 123-124	binary	1	I	1	1	1	ł	I	1	1	1	1	1	1	1	1	1	1	1	1	1	I	I	I
ACBXSU	BT 125-128	alphanumeric	1	1	1	1	1	ł	1	1	1	1	1	1	1	1	1	1	1	1	1		T	1	1
ACBXLCM	AP 129-136	binary	1	1	1	1	1	T	ł	T	1	1	1	1	1	1	1	I	1	T	1	1	T	1	1
ACBXLD	EC 137-144	binary	1	I	1	1	1	ł	I	1	1	₩	1	1	1	1	¥	1	1	1	1	1	1	I	I
ACBXCM	DT 145-152	binary	ł	A-	1	A A	A/-	¥-	¥/	A/-	A)		A/	A/	¥	¥-		A/-	¥.	A/-	A/-	A!	A)	A)-	A)
ACBXUS	ER 153-168	1	Ĩ	ſ	Ť	Ĭ	7	Ş	Ś	Ş	2	-V	٩-	P/−	Ş	Ş	Ŋ	Ś	2	Ś	7	/N	2	2	2
Key:																									
alpha/bin: alp	hanumeric/binary																								
: not	applicable ata supplied before t	he Adabas call a	ction	code	s to t	the left	of the	slash	r if dat	uns e	olied a	fter the A	dahas ca	ll action	apod	s to th	e right of	thes	ash						
F: Suj	pplied by user									-							0								
A: Suj	oplied by Adabas																								
in i	changed after Adaba	as call																							
¥ 1	N1; "U" TOF N2	nacifiae "∆" thie f	a plai	attime		licor I) for th		r data	inntai	nad in	the recor	d huffar s	of the and	ofth	oue a	and follo	nuino	L L	itati	6				
								2							5	5		R	1						
We recommen	d that you set unuse	A ACBX fields to	binar	y zero	s bet	ore a	direct (call is	initiate	6															

ACBX Command ABDs and Buffers

A D D D Bear											CO	nmand											
ADD/DUILEL	A1	BT	5	ប	C5	Ч	Ξ	ET	Ξ	L1/L4	L2/L5	L3/L6	61	5	N1/N2	Р	RC	RE	R	S1/S2/S4	S5	S8	S9
Format	S	1	1	/*	/*	/*	1	/*	1	FU	FU	FIU	S	/*	FU	/*	1	/*	1	FU	1	1	
Record	ß	1	1	ß	Γ	ΓΩ	1	ΓΩ	1	<u>م</u> الح	<u>–</u> الم	A/	A.	¥,	Γſ	F/A	1	¥,	1	A!	1	1	1
Search	1	1	1	I	I	1	1	1	1	1	1	FU	Ρ	1	1	1	1	1	1	FU	1	1	1
Value	1	1	1	I	I	1	1	1	1	1		F/U	ΓS	1	1	1	1	1	1	FU	1	1	1
ISN	1	ß	1	I	I	1	1	ΓΩ	1			1	1	1	1	1	1	1	1	A/	¥-	¥-	F/A
Multifetch	1	1	I	I	I	1	1	1	1	A/	A/	F/U	¥/	1	1	1	1	1	1	-	1	1	1

Key:

- not applicable
- if data supplied before the Adabas call, action code is to the left of the slash; if data supplied after the Adabas call, action code is to the right of the slash

- Supplied by user Supplied by Adabas Unchanged after Adabas call Not used, but must be included in parameter list of call statement

A1 Command -- Update Record

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

ACB Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
Command ID	5-8	alphanumeric / binary	F	U
File Number	9-10	binary	F	U
Response Code	11-12	binary		А
ISN	13-16	binary	F	U
ISN Lower Limit	17-20	binary		A ¹
ISN Quantity	21-24	binary		A ¹
Format Buffer Length	25-26	binary	F	U
Record Buffer Length	27-28	binary	F	U
	29-34			
Command Option 1 / 2	35-36	alphanumeric	F	U
	37-44			
Additions 2	45-48	alphanumeric / binary		А
Additions 3	49-56	alphanumeric	F	А
Additions 4	57-64	alphanumeric	F	А
Additions 5	65-72	alphanumeric	F	U
Command Time	73-76	binary		Α
User Area	77-80			U

Notes

1. These fields are used and not reset by Adabas if coupled files are used.

Buffer	Before Adabas Call	After Adabas Call
Format	F	U
Record	F	U

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- -- Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2	binary		
Version Indicator	3-4	binary	F	U
	5-6	binary		
Command Code	7-8	alphanumeric	F	U
	9-10	binary		
Response Code	11-12	binary		U
Command ID	13-16	alphanumeric/ binary	F	U
Database ID	17-20	numeric	F	U
File Number	21-24	numeric	F	U
	25-28			
ISN	29-32	binary	F	U
	33-36			
ISN Lower Limit	37-40	binary		A ¹
	41-44			
ISN Quantity	45-48	binary		A ¹
Command Option 1	49	alphanumeric	F	U
Command Option 2	50	alphanumeric	F	U
	51-64			

Field	Position	Format	Before Adabas Call	After Adabas Call
Additions 3	69-76	alphanumeric/ binary	F	А
Additions 4	77-84	alphanumeric	F	А
Additions 5	85-92	alphanumeric/ binary	F	U
	93-114			
Error Subcode	115-116	binary		А
	117-128			
Compressed Record Length	129-136	binary		А
Decompressed Record Length	137-144	binary		А
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193			

Notes

1. These fields are used and not reset by Adabas if coupled files are used.

ABDs and Buffers

ABD and Buffer	Before Adabas Call	After Adabas Call
Format	F	U
Record	F	U

where:

F Supplied by user before Adabas call

- A Supplied by Adabas
- U Unchanged after Adabas call
- --- Not used

BT Command -- Back Out Transaction

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

ACB Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
Command ID	5-8	binary		А
File Number *	9-10	binary	F *	U
Response Code	11-12	binary		А
	13-16			
ISN Lower Limit	17-20	binary	F	U
	21-32			
ISN Buffer Length **	33-34	binary	F **	U
Command Option 1	35	alphanumeric	F	U
Command Option 2	36	alphanumeric	F	U
	37-72			
Command Time	73-76	binary		А
User Area	77-80			U

Buffer Areas

Buffer	Before Adabas Call	After Adabas Call
ISN **	F	U

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Required only if Command Option 2 is specified
- ** Required only if Command Option 1 is specified
- -- Not used

ACBX Control	Block Structure
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Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6	binary		
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
Command ID	13-16	alphanumeric/ binary		А
Database ID*	17-20	numeric	F*	U
File Number*	21-24	numeric	F*	U
	25-36			
ISN Lower Limit 37-40 b		binary	F	U
	45-48			
Command Option 1	49	alphanumeric	F	U
Command Option 2	50	alphanumeric	F	U
Command Option 3	51	alphanumeric	F	U
	52-114			
Error Subcode	115-116	binary		А
	117-144			
Command Time	145-152	binary		Α
User Area	153-168	not applicable		U
	169-193			

ABDs and Buffers

ABD and Buffer	Before Adabas Call	After Adabas Call
ISN **	F	U

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Required only if Command Option 2 is specified
- ** Required only if Command Option 1 is specified
- --- Not used

C1 Command -- Record Checkpoint

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

Field **Position** Format **Before Adabas** After Adabas Call Call 1-2 __ --__ Command Code 3-4 alphanumeric F U 5-8 alphanumeric F Command ID Α File Number * 9-10 F U binary Response Code 11-12 binary А --13-34 __ ___ ___ **Command Option** 35 alphanumeric F U 1 U **Command Option** 36 alphanumeric F 2 37-72 __ ----**Command Time** 73-76 binary ___ A U 77-80 User Area ----

ACB Control Block Structure

Buffer Areas

None used.

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * A database ID is only necessary if you are accessing a database other than the application's default database (read in by ADARUN DBID parameter, provided in the loaded link globals table, or linked with the link routine).
- -- Not used

ACBX Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
Command ID	13-16	alphanumeric/ binary	F	А
Database ID*	17-20	numeric	F	U
	21-48			
Command Option 1	49	alphanumeric	F	U
Command Option 2	50	alphanumeric	F	U
	51-114			
Error Subcode	115-116	binary		А
	117-144			
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193			

ABDs and Buffers

None used.

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * A database ID is only necessary if you are accessing a database other than the application's default database (read in by ADARUN DBID parameter, provided in the loaded link globals table, or linked with the link routine).
- --- Not used

C3 Command -- Write Checkpoint

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
	5-8			
File Number **	9-10	binary	F	U
Response Code	11-12	binary		А
	13-26			
Record Buffer Length	27-28	binary	F	U
	29-35			
Command Option 2	36	alphanumeric	F	U
	37-72			
Command Time	73-76	binary		А
User Area	77-80			U

Buffer	Before Adabas Call	After Adabas Call
Format	*	
Record	F	U

where:

F	Supplied by user before Adabas call
А	Supplied by Adabas
U	Unchanged after Adabas call
*	Not used but must be included in parameter list of call statement
**	A database ID is only necessary if you are accessing a database other than the application's default database (read in by ADAPUN DPID percentage provided in the loaded link global

** A database ID is only necessary if you are accessing a database other than the application's default database (read in by ADARUN DBID parameter, provided in the loaded link globals table, or linked with the link routine).

-- Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
	13-16			
Database ID**	17-20	numeric	F	U
	21-49			
Command Option 2	50	alphanumeric	F	U
	51-114			
Error Subcode	115-116	binary		А
	117-144			
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193			

ABDs and Buffers

ABD and Buffer	Before Adabas Call	After Adabas Call
Format	*	
Record	F	U

where:

F Supplied by user before Adabas cal	1
--------------------------------------	---

- A Supplied by Adabas
- U Unchanged after Adabas call
- * Not used but should be included in Adabas call or one will be automatically generated.
- ** A database ID is only necessary if you are accessing a database other than the application's default database (read in by ADARUN DBID parameter, provided in the loaded link globals table, or linked with the link routine).

-- Not used

C5 Command -- Write User Data to PLOG

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
	5-8			
File Number **	9-10	binary	F	U
Response Code	11-12	binary		А
	13-26			
Record Buffer Length	27-28	binary	F	U
	29-34			
Command Option 1***	35	alphanumeric	F	U
	36			
Additions 1***	37-44	alphanumeric	F	U
	45-72			
Command Time	73-76	binary		А
User Area	77-80			U

Buffer	Before Adabas Call	After Adabas Call
Format	*	
Record	F	U

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Not used but must be included in parameter list of call statement
- ** A database ID is only necessary if you are accessing a database other than the application's default database (read in by ADARUN DBID parameter, provided in the loaded link globals table, or linked with the link routine).

However, if you are using Event Replicator for Adabas and the Command Option 1 field is set to "R", a file number must be specified to identify the file to which the C5 command applies. For more information, read your Event Replicator for Adabas documentation.

- *** Only used if you are using Event Replicator for Adabas. For more information, read your Event Replicator for Adabas documentation.
- -- Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
	13-16			
Database ID**	17-20	numeric	F	U
File Number***	21-24	numeric	F	U
	25-48			
Command Option 1***	49	alphanumeric	F	U
	50-56			
Additions 1***	57-64	alphanumeric/ binary	F	U
	65-114			
Error Subcode	115-116	binary		А
	117-144			
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193	do not touch		

ABDs and Buffers

ABD and Buffer	Before Adabas Call	After Adabas Call
Format	*	
Record	F	U

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Not used but should be included in Adabas call or one will be automatically generated.
- ** A database ID is only necessary if you are accessing a database other than the application's default database (read in by ADARUN DBID parameter, provided in the loaded link globals table, or linked with the link routine).

However, if you are using Event Replicator for Adabas and the Command Option 1 field is set to "R", a file number must be specified to identify the file to which the C5 command applies. For more information, read your Event Replicator for Adabas documentation.

- *** Only used if you are using Event Replicator for Adabas. For more information, read your Event Replicator for Adabas documentation.
- --- Not used

CL Command -- Close Session

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
Command ID	5-8	binary		А
File Number ***	9-10	binary	F	U
Response Code	11-12	binary		А
ISN	13-16	binary		А
ISN Lower Limit	17-20	binary		А
ISN Quantity	21-24	binary		А
	25-26			
Record Buffer Length	27-28	binary	F *	U
	29-35			
Command Option 2	36	alphanumeric	F	U
	37-72			
Command Time	73-76	binary		А
User Area	77-80			U

Buffer	Before Adabas Call	After Adabas Call
Format *	**	
Record *	F	U

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Required only if user data is to be stored
- ** Not used but must be included in parameter list of call statement if user data to be stored
- *** A database ID is only necessary if you are accessing a database other than the application's default database (read in by ADARUN DBID parameter, provided in the loaded link globals table, or linked with the link routine).
- -- Not used

ACBX Control Block Struc	ture
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Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
Command ID	13-16	alphanumeric/ binary		A
Database ID***	17-20	numeric	F	U
	21-28			
Number of I/Os	29-32	binary		А
	33-36			
Number of Commands	37-40	binary		А
CPU Time	41-48	binary		А
	49			
Command Option 2	50	alphanumeric	F	U
	51-114			
Error Subcode	115-116	binary		А
	117-144			
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193	do not touch		

ABDs and Buffers

ABD and Buffer	Before Adabas Call	After Adabas Call
Format *	**	
Record *	F	U

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Required only if user data to be stored
- ** Not used but should be included in Adabas call or one will be automatically generated.
- *** A database ID is only necessary if you are accessing a database other than the application's default database (read in by ADARUN DBID parameter, provided in the loaded link globals table, or linked with the link routine).
- -- Not used

E1 Command -- Delete Record

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
Command ID	5-8	alphanumeric / binary	F	U
File Number	9-10	binary	F	U
Response Code	11-12	binary		А
ISN	13-16	binary	F	U
ISN Lower Limit	17-20	binary		A ¹
ISN Quantity	21-24	binary		A^1
	25-34			
Command Option 1	35	alphanumeric	F	U
	36-48			
Additions 3	49-56	alphanumeric	F	А
Additions 4	57-64	alphanumeric	F	А
	65-72			
Command Time	73-76	binary		Α
User Area	77-80			U

Notes

1. These fields are used and not reset by Adabas if coupled files are used.

Buffer Areas

None used.

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- -- Not used

ACBX Control Block Structur	re
-----------------------------	----

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
Command ID	13-16	alphanumeric/ binary	F	U
Database ID	17-20	numeric	F	U
File Number	21-24	numeric	F	U
	25-28			
ISN	29-32	binary	F	U
	33-36			
ISN Lower Limit	37-40	binary		A ¹
	41-44			
ISN Quantity	45-48	binary		A ¹
Command Option 1	49	alphanumeric	F	U
	50-68			
Additions 3	69-76	alphanumeric/ binary	F	А
Additions 4	77-84	alphanumeric	F	Α
	85-114			
Error Subcode	115-116	binary		А
	117-144			
Command Time	145-152	binary		Α
User Area	153-168	not applicable		U
	169-193	do not touch		

Notes

1. These fields are used and not reset by Adabas if coupled files are used.

ABDs and Buffers

None used.

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call

--- Not used

ET Command -- End Transaction

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
Command ID	5-8	binary		Α
File Number****	9-10	binary	F	U
Response Code	11-12	binary		A
	13-16			
ISN Lower Limit	17-20	binary	F	U
ISN Quantity	21-24	binary		Α
	25-26			
Record Buffer Length	27-28	binary	F *	U
	29-32			
ISN Buffer Length **	33-34	binary	F **	U
Command Option 1	35	alphanumeric	F	U
Command Option 2	36	alphanumeric	F	U
	37-72			
Command Time	73-76	binary		Α
User Area	77-80			U

Buffer	Before Adabas Call	After Adabas Call
Format *	***	
Record *	F	U
ISN **	F	U

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Required only if ET data is to be stored
- ** Required for hold ISN option; optional for multifetch option
- *** Not used but must be included in parameter list of call statement if ET data is to be stored
- **** A database ID is only necessary if you are accessing a database other than the application's default database (read in by ADARUN DBID parameter, provided in the loaded link globals table, or linked with the link routine).
- -- Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
Command ID	13-16	alphanumeric/ binary		А
Database ID****	17-20	numeric	F	U
	21-36			
ISN Lower Limit	37-40	binary	F	U
	41-44			
ISN Quantity	45-48	binary		А
Command Option 1	49	alphanumeric	F	U
Command Option 2	50	alphanumeric	F	U
Command Option 3	51	alphanumeric	F	U
	52-114			
Error Subcode	115-116	binary		А
	117-144			
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193	do not touch		

ABDs and Buffers

ABD and Buffer	Before Adabas Call	After Adabas Call
Format *	***	
Record *	F	U
ISN **	F	U

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Required only of ET data to be stored
- ** Required for hold ISN option; optional for multifetch option
- *** Not used but should be included in Adabas call if ET data is to be stored. If not specified, one will be automatically generated.
- **** A database ID is only necessary if you are accessing a database other than the application's default database (read in by ADARUN DBID parameter, provided in the loaded link globals table, or linked with the link routine).
- --- Not used

HI Command -- Hold Record

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
	5-8			
File Number	9-10	binary	F	U
Response Code	11-12	binary		А
ISN	13-16	binary	F	U
	17-34			
Command Option 1	35	alphanumeric	F	U
	36-72			
Command Time	73-76	binary		А
User Area	77-80			U

None used.

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- -- Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
	13-16			
Database ID	17-20	numeric	F	U
File Number	21-24	numeric	F	U
	25-28			
ISN	29-32	binary	F	U
	33-48			
Command Option 1	49	alphanumeric	F	U
	50			
Command Option 3	51	alphanumeric	F	U
	52-114			
Error Subcode	115-116	binary		А
	117-144			
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193	do not touch		

None used.

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- -- Not used

L1/L4 Commands -- Read Record

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
Command ID	5-8	alphanumeric	F	U
File Number	9-10	binary	F	U
Response Code	11-12	binary		А
ISN	13-16	binary	F	U *
ISN Lower Limit	17-20	binary	F	U
	21-24			
Format Buffer Length	25-26	binary	F	U
Record Buffer Length	27-28	binary	F	U
	29-32			
ISN Buffer Length **	33-34	binary	F	U
Command Option 1	35	alphanumeric	F	U
Command Option 2	36	alphanumeric	F	U
	37-44			
Additions 2	45-48	binary / binary		А
Additions 3	49-56	alphanumeric	F	А
Additions 4	57-64	alphanumeric	F	А
Additions 5	65-72	alphanumeric	F	U
Command Time	73-76	binary		А
User Area	77-80			U

Buffer	Before Adabas Call	After Adabas Call
Format	F	U
Record		A
ISN **		А

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Except for special options
- ** The ISN buffer and length are required only if the multifetch or prefetch option is specified
- -- Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
Command ID	13-16	alphanumeric/ binary	F	U
Database ID	17-20	numeric	F	U
File Number	21-24	numeric	F	U
	25-28			
ISN	29-32	binary	F	U*
	33-36			
ISN Lower Limit	37-40	binary	F	U
	41-48			
Command Option 1	49	alphanumeric	F	U
Command Option 2	50	alphanumeric	F	U
Command Option 3 (L4 only)	51	alphanumeric	F	U
	52-64			
Additions 3	69-76	alphanumeric/ binary	F	А
Additions 4	77-84	alphanumeric	F	Α
Additions 5	85-92	alphanumeric/ binary	F	U
Field	Position	Format	Before Adabas Call	After Adabas Call
-------------------------------	----------	----------------	-----------------------	----------------------
	93-114			
Error Subcode	115-116	binary		А
	117-128			
Compressed Record Length	129-136	binary		А
Decompressed Record Length	137-144	binary		А
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193	do not touch		

ABD and Buffer	Before Adabas Call	After Adabas Call
Format	F	U
Record		А
Multifetch **		А

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Except for special options
- ** The multifetch buffer is required only if the multifetch option is specified.
- --- Not used

L2/L5 Commands -- Read Physical Sequential Record

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

ACB Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
Command ID	5-8	alphanumeric	F	U
File Number	9-10	binary	F	U
Response Code	11-12	binary		А
ISN	13-16	binary	F	А
ISN Lower Limit	17-20	binary	F	U
	21-24			
Format Buffer Length	25-26	binary	F	U
Record Buffer Length	27-28	binary	F	U
	29-32			
ISN Buffer Length *	33-34	binary	F	U
Command Option 1	35	alphanumeric	F	U
	36-44			
Additions 2	45-48	binary / binary		А
Additions 3	49-56	alphanumeric	F	А
Additions 4	57-64	alphanumeric	F	А
Additions 5	65-72	alphanumeric	F	U
Command Time	73-76	binary		А
User Area	77-80			U

Buffer Areas

Buffer	Before Adabas Call	After Adabas Call
Format	F**	U
Record		А
ISN *	F	U

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * The ISN buffer and length are required only of the multifetch or prefetch option is specified
- ** May contain compress option control characters "C."
- -- Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
Command ID	13-16	alphanumeric/ binary	F	U
Database ID	17-20	numeric	F	U
File Number	21-24	numeric	F	U
	25-28			
ISN	29-32	binary	F	Α
	33-36			
ISN Lower Limit	37-40	binary	F	U
	41-48			
Command Option 1	49	alphanumeric	F	U
	50			
Command Option 3 (L5 only)	51	alphanumeric	F	U
	52-64			
Additions 3	69-76	alphanumeric/ binary	F	А
Additions 4	77-84	alphanumeric	F	A

Field	Position	Format	Before Adabas Call	After Adabas Call
Additions 5	85-92	alphanumeric/ binary	F	U
	93-114			
Error Subcode	115-116	binary		А
	117-128			
Compressed Record Length	129-136	binary		А
Decompressed Record Length	137-144	binary		А
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193	do not touch		

ABD and Buffer	Before Adabas Call	After Adabas Call
Format	F**	U
Record		А
Multifetch *	F	U

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * A multifetch buffer is required only if the multifetch option is specified.
- ** May contain compress option control characters "C."
- --- Not used

L3/L6 Commands -- Read Logical Sequential Record

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

ACB Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2	binary		
Command Code	3-4	alphanumeric	F	U
Command ID	5-8	alphanumeric	F	U
File Number	9-10	binary	F	U
Response Code	11-12	binary		А
ISN	13-16	binary	F	А
ISN Lower Limit	17-20	binary	F	U
	21-24			
Format Buffer Length	25-26	binary	F	U
Record Buffer Length	27-28	binary	F	U
Search Buffer Length	29-30	binary	F *	U
Value Buffer Length	31-32	binary	F *	U
ISN Buffer Length **	33-34	binary	F	U
Command Option 1	35	alphanumeric	F	U
Command Option 2	36	alphanumeric	F	U
Additions 1	37-44	alphanumeric	F	А
Additions 2	45-48	binary / binary		А
Additions 3	49-56	alphanumeric	F	А
Additions 4	57-64	alphanumeric	F	А
Additions 5	65-72	alphanumeric	F	U
Command Time	73-76	binary		Α
User Area	77-80			U

Buffer Areas

Buffer	Before Adabas Call	After Adabas Call
Format	F ***	U
Record		А
Search *	F	U
Value *	F	U
ISN **	F	U

where:

F	Supplied	by user	before	Adabas	call
1	Supplied	by user	001010	1 Iuuoub	cuii

- A Supplied by Adabas
- U Unchanged after Adabas call
- * Required only if value start option is being used
- ** The ISN buffer and length is required only if the multifetch or prefetch option is specified.
- *** May contain compress option control characters "C."
- -- Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
Command ID	13-16	alphanumeric/ binary	F	U
Database ID	17-20	numeric	F	U
File Number	21-24	numeric	F	U
	25-28			
ISN	29-32	binary	F	А
	33-36			
ISN Lower Limit	37-40	binary	F	U
	41-48			

Field	Position	Format	Before Adabas Call	After Adabas Call
Command Option 1	49	alphanumeric	F	U
Command Option 2	50	alphanumeric	F	U
Command Option 3 (L6 only)	51	alphanumeric	F	U
	52-56			
Additions 1	57-64	alphanumeric/ binary	F	А
Additions 3	69-76	alphanumeric/ binary	F	А
Additions 4	77-84	alphanumeric	F	А
Additions 5	85-92	alphanumeric/ binary	F	U
	93-114			
Error Subcode	115-116	binary		A
	117-128			
Compressed Record Length	129-136	binary		А
Decompressed Record Length	137-144	binary		А
Command Time	145-152	binary		A
User Area	153-168	not applicable		U
	169-193	do not touch		

ABD and Buffer	Before Adabas Call	After Adabas Call
Format	F ***	U
Record		А
Search *	F	U
Value *	F	U
Multifetch **	F	U

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Required only if value start option is being used
- ** The multifetch buffer is required only if the multifetch option is specified.
- *** May contain compress option control characters "C."
- --- Not used

L9 Command -- Read Descriptor Values

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
Command ID	5-8	alphanumeric	F	U
File Number	9-10	binary	F	U
Response Code	11-12	binary		А
ISN	13-16	binary		А
ISN Lower Limit	17-20	binary	F	А
ISN Quantity	21-24	binary		А
Format Buffer Length	25-26	binary	F	U
Record Buffer Length	27-28	binary	F	U
Search Buffer Length	29-30	binary	F	U
Value Buffer Length	31-32	binary	F	U
ISN Buffer Length *	33-34	binary	F	U
Command Option 1	35	alphanumeric	F	U
Command Option 2	36	alphanumeric	F	U
Additions 1	37-44	alphanumeric	F	U
Additions 2	45-48	binary		А
Additions 3	49-56	alphanumeric	F	А
	57-64			
Additions 5	65-72	alphanumeric	F	U
Command Time	73-76	binary		А
User Area	77-80			U

Buffer Areas

Buffer	Before Adabas Call	After Adabas Call
Format	F	U
Record		A
Search	F	U
Value	F	U
ISN *		А

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * The ISN buffer and length required only if the multifetch or prefetch option is specified
- -- Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
Command ID	13-16	alphanumeric/ binary	F	U
Database ID	17-20	numeric	F	U
File Number	21-24	numeric	F	U
	25-28			
ISN	29-32	binary		А
	33-36			
ISN Lower Limit	37-40	binary	F	А
	41-44			
ISN Quantity	45-48	binary		А
Command Option 1	49	alphanumeric	F	U

Field	Position	Format	Before Adabas Call	After Adabas Call
Command Option 2	50	alphanumeric	F	U
	51-56			
Additions 1	57-64	alphanumeric/ binary	F	U
	65-68			
Additions 3	69-76	alphanumeric/ binary	F	А
	77-84			
Additions 5	85-92	alphanumeric/ binary	F	U
	93-114			
Error Subcode	115-116	binary		А
	117-128			
Compressed Record Length	129-136	binary		А
Decompressed Record Length	137-144	binary		А
Command Time	145-152	binary		Α
User Area	153-168	not applicable		U
	169-193	do not touch		

ABD and Buffer	Before Adabas Call	After Adabas Call
Format	F	U
Record		А
Search	F	U
Value	F	U
Multifetch *		А

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * The multifetch buffer is required only if the multifetch option is specified
- --- Not used

LF Command -- Read Field Definitions

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

ACB Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
	5-8			
File Number	9-10	binary	F	U
Response Code	11-12	binary		А
	13-26			
Record Buffer Length	27-28	binary	F	U
	29-35			
Command Option 2	36	alphanumeric	F	U
	37-48			
Additions 3	49-56	alphanumeric	F	А
	57-72			
Command Time	73-76	binary		А
User Area	77-80			U

Buffer Areas

Buffer	Before Adabas Call	After Adabas Call
Format	*	
Record		A

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Not used but must be included in parameter list of call statement
- -- Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
	13-16			
Database ID	17-20	numeric	F	U
File Number	21-24	numeric	F	U
	25-49			
Command Option 2	50	alphanumeric	F	U
	51-68			
Additions 3	69-76	alphanumeric/ binary	F	А
	77-114			
Error Subcode	115-116	binary		А
	117-128			
Compressed Record Length	129-136	binary		А
Decompressed Record Length	137-144	binary		А
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193	do not touch		

ABD and Buffer	Before Adabas Call	After Adabas Call
Format	*	
Record		А

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Not used but should be included in Adabas call or one will be automatically generated.
- -- Not used

N1/N2 Commands -- Add New Record

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
Command ID	5-8	alphanumeric	F	U
File Number	9-10	binary	F	U
Response Code	11-12	binary		А
ISN	13-16	binary	F	A/U ¹
ISN Lower Limit	17-20	binary		A ²
ISN Quantity	21-24	binary		A ²
Format Buffer Length	25-26	binary	F	U
Record Buffer Length	27-28	binary	F	U
	29-44			
Additions 2	45-48	alphanumeric		А
Additions 3	49-56	alphanumeric	F	А
Additions 4	57-64	alphanumeric	F	А
Additions 5	65-72	alphanumeric	F	U
Command Time	73-76	binary		А
User Area	77-80			U

Notes

- 1. Supplied by Adabas for N1; unchanged for N2.
- 2. These fields are used and not reset by Adabas if coupled files are used.

Buffer Areas

Buffer	Before Adabas Call	After Adabas Call
Format	F	U
Record	F	U

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- -- Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
Command ID	13-16	alphanumeric/ binary	F	U
Database ID	17-20	numeric	F	U
File Number	21-24	numeric	F	U
	25-28			
ISN	29-32	binary	F	A/U ¹
	33-36			
ISN Lower Limit	37-40	binary		A ²
	41-44			
ISN Quantity	45-48	binary		A ²
	49-64			
Additions 3	69-76	alphanumeric/ binary	F	А
Additions 4	77-84	alphanumeric	F	А
Additions 5	85-92	alphanumeric/ binary	F	U
	93-114			
Error Subcode	115-116	binary		А
	117-128			
Compressed Record Length	129-136	binary		А

Field	Position	Format	Before Adabas Call	After Adabas Call
Decompressed Record Length	137-144	binary		Α
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193	do not touch		

Notes

- 1. Supplied by Adabas for N1; unchanged for N2.
- 2. These fields are used and not reset by Adabas if coupled files are used.

ABDs and Buffers

ABD and Buffer	Before Adabas Call	After Adabas Call
Format	F	U
Record	F	U

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- --- Not used

OP Command -- Open User Session

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
Command ID	5-8	alphanumeric		А
File Number**	9-10	binary	F	U
Response Code	11-12	binary		А
ISN	13-16	binary		А
ISN Lower Limit	17-20	binary	F	А
ISN Quantity	21-24	binary	F	А
	25-26			
Record Buffer Length	27-28	binary	F	U
	29-34			
Command Option 1	35	alphanumeric	F	U
Command Option 2	36	alphanumeric	F	U
Additions 1	37-44	alphanumeric	F	U
Additions 2	45-48	alphanumeric		А
	49-56			
Additions 4	57-64	binary	F	А
Additions 5	65-72	binary		А
Command Time	73-76	binary		А
User Area	77-80			U

Buffer Areas

Buffer	Before Adabas Call	After Adabas Call
Format	*	
Record	F	A

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Not used but must be included in parameter list of the call statement
- ** A database ID is only necessary if you are accessing a database other than the application's default database (read in by ADARUN DBID parameter, provided in the loaded link globals table, or linked with the link routine).
- -- Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
Command ID	13-16	alphanumeric/ binary		А
Database ID**	17-20	numeric	F	U
	21-28			
ISN	29-32	binary		А
	33-36			
ISN Lower Limit	37-40	binary	F	А
	41-44			
ISN Quantity	45-48	binary	F	А
Command Option 1	49	alphanumeric	F	U
Command Option 2	50	alphanumeric	F	U
	51-56			
Additions 1	57-64	alphanumeric/ binary	F	U
Additions 2	65-68	binary		А
	69-76			

Field	Position	Format	Before Adabas Call	After Adabas Call
Additions 4	77-84	alphanumeric	F	А
Additions 5	85-92	alphanumeric/ binary		А
	93-114			
Error Subcode	115-116	binary		А
	117-144			
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193	do not touch		

ABD and Buffer	Before Adabas Call	After Adabas Call
Format	*	
Record	F	A

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Not used but should be included in Adabas call or one will be automatically generated.
- ** A database ID is only necessary if you are accessing a database other than the application's default database (read in by ADARUN DBID parameter, provided in the loaded link globals table, or linked with the link routine).

RC Command -- Release Command ID or Global Format ID

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

⁻⁻ Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
Command ID	5-8	alphanumeric	F	U
File Number	9-10	binary	F	U
Response Code	11-12	binary		А
	13-34			
Command Option 1	35	alphanumeric	F	U
Command Option 2	36	alphanumeric	F	U
Additions 1	37-44	alphanumeric	F	U
	45-64			
Additions 5	65-72	alphanumeric	F	U
Command Time	73-76	binary		Α
User Area	77-80			U

ACB Control Block Structure

Buffer Areas

None used.

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- -- Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		A
Command ID	13-16	alphanumeric/ binary	F	U
Database ID	17-20	numeric	F	U
File Number	21-24	numeric	F	U
	25-48			
Command Option 1	49	alphanumeric	F	U
Command Option 2	50	alphanumeric	F	U
	51-56			
Additions 1	57-64	alphanumeric/ binary	F	U
	65-84			
Additions 5	85-92	alphanumeric/ binary	F	U
	93-114			
Error Subcode	115-116	binary		A
	117-144			
Command Time	145-152	binary		A
User Area	153-168	not applicable		U
	169-193	do not touch		

None used.

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- -- Not used

RE Command -- Read ET User Data

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
Command ID	5-8	binary		А
File Number ****	9-10	binary	F	U
Response Code	11-12	binary		А
ISN	13-16	binary	F	А
	17-26			
Record Buffer Length	27-28	binary	F	U
	29-34			
Command Option 1	35	alphanumeric	F	U
	36			
Additions 1	37-44	alphanumeric	F *	U/A **
Additions 2	45-48	alphanumeric		А
	49-72			
Command Time	73-76	binary		Α
User Area	77-80			U

Buffer Areas

Buffer	Before Adabas Call	After Adabas Call
Format	***	
Record		А

where:

F	Supplied by user before Adabas call
А	Supplied by Adabas
U	Unchanged after Adabas call
*	Supplied ET data user ID when Command Option 1 equals "I"
**	User ID for ET data in record buffer if Command Option 1 equals "A"
***	Not used but must be included in parameter list of call statement
****	A database ID is only necessary if you are accessing a database other than the application's default database (read in by ADARUN DBID parameter, provided in the loaded link globals

default database (read in by ADARUN DBID parameter, provided in the loaded li table, or linked with the link routine).

-- Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
Command ID	13-16	alphanumeric/ binary		А
Database ID****	17-20	numeric	F	U
File Number	21-24	numeric	F	U
	25-28			
ISN	29-32	binary	F	А
	33-48			
Command Option 1	49	alphanumeric	F	U
	50-56			
Additions 1 57-64 alphan binary		alphanumeric/ binary	F*	U/A**
Additions 2	65-68	binary		А
	69-114			
Error Subcode	115-116	binary		А
	117-144			
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193	do not touch		

ABD and Buffer	Before Adabas Call	After Adabas Call
Format	***	
Record		А

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Supplied ET data user ID when Command Option 1 equals "I"
- ** User ID for ET data in record buffer if Command Option 1 equals "A"
- *** Not used but should be included in Adabas call or one will be automatically generated.
- **** A database ID is only necessary if you are accessing a database other than the application's default database (read in by ADARUN DBID parameter, provided in the loaded link globals table, or linked with the link routine).
- --- Not used

RI Command -- Release Held Record

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

ACB Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
	5-8			
File Number	9-10	binary	F	U
Response Code	11-12	binary		А
ISN	13-16	binary	F	U
	17-72			
Command Time	73-76	binary		А
User Area	77-80			U

Buffer Areas

None used.

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- -- Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
	13-16			
Database ID	17-20	numeric	F	U
File Number	21-24	numeric	F	U
	25-28			
ISN	29-32	binary	F	U
	33-50			
Command Option 3	51	alphanumeric	F	U
	52-114			
Error Subcode	115-116	binary		А
	117-144			
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193	do not touch		

ACBX Control Block Structure

ABDs and Buffers

None used.

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- --- Not used

S1/S2/S4 Commands -- Find Records

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command code	3-4	alphanumeric	F	U
Command ID	5-8	alphanumeric	F	U
File Number	9-10	binary	F	U
Response Code	11-12	binary		А
ISN	13-16	binary		А
ISN Lower Limit	17-20	binary	F	U
ISN Quantity	21-24	binary	F *	А
Format Buffer Length	25-26	binary	F	U
Record Buffer Length	27-28	binary	F	U
Search Buffer Length	29-30	binary	F	U
Value Buffer Length	31-32	binary	F	U
ISN Buffer Length	33-34	binary	F	U
Command Option 1	35	alphanumeric	F	U
Command Option 2	36	alphanumeric	F	U
Additions 1	37-44	alphanumeric	F	U
Additions 2	45-48	binary / binary		А
Additions 3	49-56	alphanumeric	F	А
Additions 4	57-64	alphanumeric	F	А
Additions 5	65-72	alphanumeric	F	U
Command Time	73-76	binary		А
User Area	77-80			U

Buffer Areas

Buffer	Before Adabas Call	After Adabas Call
Format	F	U
Record		A
Search	F	U
Value	F	U
ISN		А

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Optional timeout value, in seconds
- -- Not used

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
Command ID	13-16	alphanumeric/ binary	F	U
Database ID	17-20	numeric	F	U
File Number	21-24	numeric	F	U
	25-28			
ISN	29-32	binary		А
	33-36			
ISN Lower Limit	37-40	binary	F	U
	41-44			
ISN Quantity	45-48	binary	F*	Α
Command Option 1	49	alphanumeric	F	U

Field	Position	Format	Before Adabas Call	After Adabas Call
Command Option 2	50	alphanumeric	F	U
Command Option 3 (S4 only)	51	alphanumeric	F	U
	52-56			
Additions 1	57-64	alphanumeric/ binary	F	U
Additions 3	69-76	alphanumeric/ binary	F	А
Additions 4	77-84	alphanumeric	F	А
Additions 5	85-92	alphanumeric/ binary	F	U
	93-114			
Error Subcode	115-116	binary		А
	117-128			
Compressed Record Length	129-136	binary		А
Decompressed Record Length	137-144	binary		Α
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193	do not touch		

ABD and Buffer	Before Adabas Call	After Adabas Call
Format	F	U
Record		А
Search	F	U
Value	F	U
ISN		А

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Optional timeout value, in seconds
- --- Not used

S5 Command -- Find Coupled ISNs

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
Command ID	5-8	alphanumeric	F	U
File Number	9-10	binary	F	U
Response Code	11-12	binary		Α
ISN	13-16	binary	F	A
ISN Lower Limit	17-20	binary	F	U
ISN Quantity	21-24	binary		Α
	25-32			
ISN Buffer Length	33-34	binary	F	U
Command Option 1	35	alphanumeric	F	U
Command Option 2	36	alphanumeric	F	U
Additions 1	37-44	alphanumeric	F	U
	45-48			
Additions 3	49-56	alphanumeric	F	A
	57-72			
Command Time	73-76	binary		A
User Area	77-80			U

Buffer Areas

Buffer	Before Adabas Call	After Adabas Call
Format	*	
Record	*	
Search	*	
Value	*	
ISN		А

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Not used but must be included in parameter list of call statement
- -- Not used

ACBX Control	Block	Structure
--------------	-------	-----------

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
Command ID	13-16	alphanumeric/ binary	F	U
Database ID	17-20	numeric	F	U
File Number	21-24	numeric	F	U
	25-28			
ISN	29-32	binary	F	А
	33-36			
ISN Lower Limit	37-40	binary	F	U
	41-44			
ISN Quantity	45-48	binary		А
Command Option 1	49	alphanumeric	F	U
Command Option 2	50	alphanumeric	F	U
	51-56			
Additions 1	57-64	alphanumeric/ binary	F	U
	65-68			
Additions 3	69-76	alphanumeric/ binary	F	А
	77-114			

Field	Position	Format	Before Adabas Call	After Adabas Call
Error Subcode	115-116	binary		А
	117-144			
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193	do not touch		

ABD and Buffer	Before Adabas Call	After Adabas Call
ISN		A

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- --- Not used

S8 Command -- Process ISN Lists

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure
| Field | Position | Format | Before Adabas
Call | After Adabas
Call |
|---------------------|----------|--------------|-----------------------|----------------------|
| | 1-2 | | | |
| Command Code | 3-4 | alphanumeric | F | U |
| Command ID | 5-8 | alphanumeric | F | U |
| File Number | 9-10 | binary | F | U |
| Response Code | 11-12 | binary | | А |
| ISN | 13-16 | binary | | А |
| ISN Lower Limit | 17-20 | binary | F | U |
| ISN Quantity | 21-24 | binary | | А |
| | 25-32 | | | |
| ISN Buffer Length | 33-34 | binary | F | U |
| Command Option
1 | 35 | alphanumeric | F | U |
| Command Option 2 | 36 | alphanumeric | F | U |
| Additions 1 | 37-44 | alphanumeric | F | U |
| | 45-48 | | | |
| Additions 3 | 49-56 | alphanumeric | F | А |
| | 57-72 | | | |
| Command Time | 73-76 | binary | | А |
| User Area | 77-80 | | | U |

Buffer Areas

Buffer	Before Adabas Call	After Adabas Call
Format	*	
Record	*	
Search	*	
Value	*	
ISN		А

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Not used but must be included in parameter list of call statement

ACBX Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		A
Command ID	13-16	alphanumeric/ binary	F	U
Database ID	17-20	numeric	F	U
File Number	21-24	numeric	F	U
	25-28			
ISN	29-32	binary		А
	33-36			
ISN Lower Limit	37-40	binary	F	U
	41-44			
ISN Quantity	45-48	binary		А
Command Option 1	49	alphanumeric	F	U
Command Option 2	50	alphanumeric	F	U
	51-56			
Additions 1	57-64	alphanumeric/ binary	F	U
	65-68			
Additions 3	69-76	alphanumeric/ binary	F	A
	77-114			
Error Subcode	115-116	binary		А

Field	Position	Format	Before Adabas Call	After Adabas Call
	117-144			
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193	do not touch		

ABDs and Buffers

ABD and Buffer	Before Adabas Call	After Adabas Call
ISN		А

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- --- Not used

S9 Command -- Sort ISN List

We recommend that you set unused ACB and ACBX fields to binary zeros before the direct call is initiated.

- ACB Control Block Structure
- ACBX Control Block Structure

ACB Control Block Structure

Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Command Code	3-4	alphanumeric	F	U
Command ID	5-8	alphanumeric	F	U
File Number	9-10	binary	F	U
Response Code	11-12	binary		А
ISN	13-16	binary		А
ISN Lower Limit	17-20	binary	F	U
ISN Quantity	21-24	binary	F	А
	25-32			
ISN Buffer Length	33-34	binary	F	U
Command Option 1	35	alphanumeric	F	U
Command Option 2	36	alphanumeric	F	U
Additions 1	37-44	alphanumeric	F	U
	45-48			
Additions 3	49-56	alphanumeric	F	А
Additions 4	57-64	alphanumeric	F	А
	65-72			
Command Time	73-76	binary		А
User Area	77-80			U

Buffer Areas

Buffer	Before Adabas Call	After Adabas Call
Format	*	
Record	*	
Search	*	
Value	*	
ISN	F	А

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- * Not used but must be included in parameter list of call statement
- -- Not used

ACBX C	ontrol E	Block S	tructure
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Field	Position	Format	Before Adabas Call	After Adabas Call
	1-2			
Version Indicator	3-4	binary	F	U
	5-6			
Command Code	7-8	alphanumeric	F	U
	9-10			
Response Code	11-12	binary		А
Command ID	13-16	alphanumeric/ binary	F	U
Database ID	17-20	numeric	F	U
File Number	21-24	numeric	F	U
	25-28			
ISN	29-32	binary		А
	33-36			
ISN Lower Limit	37-40	binary	F	U
	41-44			
ISN Quantity	45-48	binary	F	А
Command Option 1	49	alphanumeric	F	U
Command Option 2	50	alphanumeric	F	U
	51-56			
Additions 1	57-64	alphanumeric/ binary	F	U
	65-68			
Additions 3	69-76	alphanumeric/ binary	F	A
Additions 4	77-84	alphanumeric	F	А

Field	Position	Format	Before Adabas Call	After Adabas Call
	85-114			
Error Subcode	115-116	binary		А
	117-144			
Command Time	145-152	binary		А
User Area	153-168	not applicable		U
	169-193	do not touch		

ABDs and Buffers

ABD and Buffer	Before Adabas Call	After Adabas Call
ISN	F	А

where:

- F Supplied by user before Adabas call
- A Supplied by Adabas
- U Unchanged after Adabas call
- --- Not used