

Byte27 = 88 & Byte34:b4-7 = A & Byte28 = 0C (LCP Failure:Long Write Data)

(1/2)

	0	1	2	3	4	5	6	7
00	Time stamp							
05								
06	Log type							
07								
08	Failure classification							
09								
0A	System error code							
0B								
0C	JCB ID							
0D								
0E	REQ ID							
0F	24CMPAT	ECKD32	HOST RSP	SVP RSP	Processor ID			
10	VDEV#VLD	PDEV#VLD	SSB#VLD	LOG#VLD	SIM#VLD	RSSB#VLD	0	Force log
11	VDEV number							
12								
13	CDEV number				RDEV number			
14	LDEV type							
15	PDEV type							
16	SSB log number							
17								
18	Related failure log number							
19								
1A	Related SIM log number							
1B								
1C	Related SSB log number							
1D								
1E	(Reserved)							
1F	SCB							
20	Basic SSB							
21								
22								
23	Count							
24	Device address							
25	Cylinder address (low)							
26	Cylinder address (high)				Head address			
27	Format (x'8')				Message (x'8')			
28	LCP error message (x'0C':Long Write Data)							
29	LCP error code							
2A								
2B	Request count							
2C								
2D	Received data count							
2E								
2F	Not used (x'00')							
30	Not used (x'00')							
31	Not used (x'00')							
32	Module ID							
33	Routine ID							
34	Processor number				Message code (x'A')			
35	SSID (low) of self subsystem							
36	Symptom Code (x'FF88' : LDEV type = DKU87I/x'EF88' : LDEV type = DKU86I)							
37								
38	Log and message control (x'00')							
39	Program action code (x'00')							
3A	Configuration information							
3B								
3C	Not used (x'00')							
3D	Cylinder address							
3E								
3F	Head address							

Byte27=88 & Byte34:b4-7=A & Byte28=0C (LCP Failure:Long Write Data)

(2/2)

	0	1	2	3	4	5	6	7
40	LCP error message (x'0C')							
41	Key code (x'04')							
42	LCP error code							
43								
44	x'00'							
45	Command code							
46	x'00'							
47	x'00'							
48	Requested count							
49								
4A	Received data count							
4B								
4C	x'00'							
4D	x'00'							
4E	x'00'							
4F	x'00'							
50	Not used							
7F								

Byte27 = 88 & Byte34:b4-7 = A & Byte28 = 0E (LCP Failure:Timeout)

(1/2)

	0	1	2	3	4	5	6	7
00	Time stamp							
05	Log type							
06	Log type							
07	Failure classification							
08	Failure classification							
09	System error code							
0A	System error code							
0B	JCB ID							
0C	JCB ID							
0D	REQ ID							
0E	REQ ID							
0F	24CMPAT	ECKD32	HOST RSP	SVP RSP	Processor ID			
10	VDEV#VLD	PDEV#VLD	SSB#VLD	LOG#VLD	SIM#VLD	RSSB#VLD	0	Force log
11	VDEV number							
12	VDEV number							
13	CDEV number				RDEV number			
14	LDEV type							
15	PDEV type							
16	SSB log number							
17	SSB log number							
18	Related failure log number							
19	Related failure log number							
1A	Related SIM log number							
1B	Related SIM log number							
1C	Related SSB log number							
1D	Related SSB log number							
1E	(Reserved)							
1F	SCB							
20	Basic SSB							
21	Basic SSB							
22	Count							
23	Count							
24	Device address							
25	Cylinder address (low)							
26	Cylinder address (high)				Head address			
27	Format (x'8')				Message (x'8')			
28	LCP error message (x'0E':Timeout)							
29	LCP error code							
2A	LCP error code							
2B	Reason code (Note 1)							
2C	Reason code (Note 1)							
2D	XR49 (H)							
	ESYCN	END	RDYOK	RDYRCV	0	CMDFRM	ACPRSP	DATAXF
2E	XR49 (L)							
	XFREND	DEVEND	CNTFLG	EOF	CMPEQ	CMPGT	0	STOP
2F	XR51 (H)							
	CAL PA	CAL PB	RDY	P BSY	CALL	SELTD	CHK1	DCK1
30	XR51 (L)							
	BFBSY	ATTN	0	0	IFERA	IFERB	PA BSY	PB BSY
31	XR48 (H)							
	RUN BSY	RUN TRS	RUN ADP	DAT REQ MOD	XFSTOOP	CDFLG	CMPA	CMPB
32	Module ID							
33	Routine ID							
34	Processor number				Message code (x'A')			
35	SSID (low) of self subsystem							
36	Symptom code (x'FF88' : LDEV type = DKU87I/x'EF88' : LDEV type = DKU86I)							
37	Symptom code (x'FF88' : LDEV type = DKU87I/x'EF88' : LDEV type = DKU86I)							

Byte27=88 & Byte34:b4-7=A & Byte28=0E (LCP Failure:Timeout)

(2/2)

	0	1	2	3	4	5	6	7
38	Log and message control (x'00')							
39	Program action code (x'00')							
3A	Configuration information							
3B								
3C	Not used (x'00')							
3D	Cylinder address							
3E								
3F	Head address							
40	LCP error message (x'0E')							
41	Key code (x'04')							
42	LCP error code							
43								
44	x'00'							
45	Command code							
46	x'00'							
47	x'00'							
48	Reason code							
49								
4A	XR49(H)							
	ESYCN	END	RDYOK	RDYRCV	0	CMDFRM	ACPRSP	DATA XF
4B	XR49(L)							
	XFREND	DEVEND	CNTFLG	EOF	CMPEQ	CMPGT	0	STOP
4C	XR51(H)							
	CAL PA	CAL PB	RDY	P BSY	CALL	SELTD	CHK1	DCK1
4D	XR51(L)							
	BFBSY	ATTN	0	0	IFERA	IFERB	PA BSY	PB BSY
4E	XR48(H)							
	RUN BSY	RUN TRS	RUN ADP	DAT REQ MOD	XFSTOP	CDFLG	CMPA	CMPB
4F	XR48(L)							
	DATA XF	RD / WR (0) (1)	1st CCW	RD/WR XFR	MEFLG	BBF SWEEP	BBIP INC	BBIP INC
50	Not used							
7F								

(Note 1) Reason code

- x'FF01' : (Read) Timeout at waiting for ACP CMD RSP
- x'FF02' : (Read) Timeout at waiting for frame header
- x'FF03' : (Read) Timeout at waiting for data frame
- x'FF04' : (Read) Timeout at waiting for end of data transfer
- x'FF05' : (Read) Timeout at waiting for data frame
- x'FF06' : (Read) Timeout at waiting for end of data transfer
- x'FF07' : (Read) Timeout at waiting for command frame
- x'FF08' : (Read) Timeout at waiting for DATA REQ
- x'FF09' : (Read) Timeout at waiting for status
- x'FFF1' : (Write) Timeout at waiting for ACP CMD RSP
- x'FFF2' : (Write) Timeout at waiting for first data
- x'FFF3' : (Write) Timeout at waiting for frame header
- x'FFF4' : (Write) Timeout at waiting for frame header
- x'FFF5' : (Write) Timeout at waiting for frame header
- x'FFF6' : (Write) Timeout at waiting for command frame
- x'FFF7' : (Write) Timeout at waiting for frame header
- x'FFF8' : (Write) Timeout at waiting for end of data transfer
- x'FFF9' : (Write) Timeout at waiting for status

Byte27 = 88 & Byte34:b4-7 = A & Byte28 = 01/02/0C/0E (LCP Failure:Others)

(1/2)

	0	1	2	3	4	5	6	7
00	Time stamp							
05								
06	Log type							
07								
08	Failure classification							
09								
0A	System error code							
0B								
0C	JCB ID							
0D								
0E	REQ ID							
0F	24CMPAT	ECKD32	HOST RSP	SVP RSP	Processor ID			
10	VDEV#VLD	PDEV#VLD	SSB#VLD	LOG#VLD	SIM#VLD	RSSB#VLD	0	Force log
11	VDEV number							
12								
13	CDEV number				RDEV number			
14	LDEV type							
15	PDEV type							
16	SSB log number							
17								
18	Related failure log number							
19								
1A	Related SIM log number							
1B								
1C	Related SSB log number							
1D								
1E	(Reserved)							
1F	SCB							
20	Basic SSB							
21								
22								
23	Count							
24	Device address							
25	Cylinder address (low)							
26	Cylinder address (high)				Head address			
27	Format (x'8')				Message (x'8')			
28	LCP error message (Note 1)							
29	LCP error code							
2A								
2B	Not used (x'00')							
2C	Not used (x'00')							
2D	Not used (x'00')							
2E	Not used (x'00')							
2F	Not used (x'00')							
30	Not used (x'00')							
31	Not used (x'00')							
32	Module ID							
33	Routine ID							
34	Processor number				Message code (x'A')			
35	SSID (low) of self subsystem							
36	Symptom code (x'FF88' : LDEV type = DKU87I/x'EF88' : LDEV type = DKU86I)							
37								
38	Log and message control (x'00')							
39	Program action code (x'00')							
3A	Configuration information							
3B								
3C	Not used (x'00')							
3D	Cylinder address							
3E								
3F	Head address							

Byte27=88 & Byte34:b4-7=A & Byte28 ,01/02/0C/0E (LCP Failure:Others)

(2/2)

	0	1	2	3	4	5	6	7
40	LCP error message (Note 1)							
41	Key code (x'04')							
42	LCP error code							
43								
44	x'00'							
45	Command code							
46	x'00'							
47	x'00'							
48	x'00'							
49	x'00'							
4A	x'00'							
4B	x'00'							
4C	x'00'							
4D	x'00'							
4E	x'00'							
4F	x'00'							
50	Not used							
7F								

(Note 1) LCP error message

x'00' : No message
 x'08' : Transmission error
 x'09' : Protocol error
 x'0D' : Retry abort

Byte27=88 & Byte34:b4-7=B & Byte28=01 (MCP Failure:CHK2/ADP I/F ERR/B0 P-ERR)

(1/3)

	0	1	2	3	4	5	6	7
00	Time stamp							
05								
06	Log type							
07								
08	Failure classification							
09								
0A	System error code							
0B								
0C	JCB ID							
0D								
0E	REQ ID							
0F	24CMPAT	ECKD32	HOST RSP	SVP RSP	Processor ID			
10	VDEV#VLD	PDEV#VLD	SSB#VLD	LOG#VLD	SIM#VLD	RSSB#VLD	0	Force log
11	VDEV number							
12								
13	CDEV number				RDEV number			
14	LDEV type							
15	PDEV type							
16	SSB log number							
17								
18	Related failure log number							
19								
1A	Related SIM log number							
1B								
1C	Related SSB log number							
1D								
1E	(Reserved)							
1F	SCB							
20	Basic SSB							
21								
22								
23	Count							
24	Device address							
25	Cylinder address (low)							
26	Cylinder address (high)				Head address			
27	Format (x'8')				Message (x'8')			
28	MCP error message (x'01':LCP CHK2 / ADP I/F error / Bus out parity ERR)							
29	MCP error code							
2A								
2B	XRBS(H)							
	Data transfer end	CHK2 error	ADP interface error	Channel bus out parity ER	Channel overrun	Truncation	Halt I/O	Data XFR force end
2C	XRBS(L)							
	Data XFR abnormal end	Channel data XFR end	MP data XFR end	0	0	0	0	0
2D	XRCK20(H)							
	EDCC/DCC mode unmatched	Duplicate CU ADR in DCC	CHL BIN0 parity ER:data XFR	CHL BIN1 parity ER:data XFR	MBF ADP MBF ADR parity ER	ADP MBF MBF ADR parity ER	ADP MBF MBF data parity ER	(RSV)
2E	XRCK20(L)							
	SPC counter parity ER	CHC counter parity ER	PND counter parity ER	PND counter overrun	BBF out CBID in LRC ERR	CHL BUS IN 0 parity ER	CHL BUS IN 1 parity ER	0
2F	XRCK21(H)							
	BBF input data LRC ERR	BBF input section LRC ERR	BBF input-output LRC ERR	BBIP parity error	BBOP parity error	TAG OUT parity error	CBOB out data parity ER	CBOB in-BBF in parity ER
30	XRCK21(L)							
	TAG IN FLG MEM parity ER	FLG MEM INP PTR parity ER	FLG MEM OUT PTR parity ER	TAG OUT sequence error	TAG OUT signal narrow	TAG OUT signal duplicate	0	0

Byte27 = 88 & Byte34:b4-7 = B & Byte28 = 01 (MCP Failure:CHK2/ADP I/F ERR/B0 P-ERR)

(2/3)

	0	1	2	3	4	5	6	7
31	XRIFER							
	LCM-ADPA bus parity ER	LCM-ADPA bus LRC error	ADP I/F sequencer parity ER	ADP0 error	LCM-ADPB bus parity ER	LCM-ADPB bus LRC error	ADP I/F sequencer parity ER	ADP1 error
32	Module ID							
33	Routine ID							
34	Processor number				Message code (x'B')			
35	SSID (low) of self subsystem							
36	Symptom code (x'FF88' : LDEV type = DKU87I/x'EF88' : LDEV type = DKU86I)							
37								
38	Log and message control (x'00')							
39	Program action code (x'00')							
3A	Configuration information							
3B								
3C	Not used (x'00')							
3D	Cylinder address							
3E								
3F	Head address							
40	MCP message code (x'01)							
41	Key code (x'04')							
42	MCP error code							
43								
44	Command code							
45	x'00'							
46	x'00'							
47	x'00'							
48	XRBS (H)							
	Data transfer end	CHK2 error	ADP interface error	Channel bus out parity ER	Channel overrun	Truncation	Halt I/O	Data XFR force end
49	XRBS (L)							
	Data XFR abnormal end	Channel data XFR end	MP data XFR end	0	0	0	0	0
4A	XRCK20 (H)							
	EDCC/DCC mode unmatched	Duplicate CU ADR in DCC	CHL BIN0 parity ER:data XFR	CHL BIN1 parity ER:data XFR	MBF→ADP MBF ADR parity ER	ADP→MBF MBF ADR parity ER	ADP→MBF MBF data parity ER	(RSV)
4B	XRCK20 (L)							
	SPC counter parity ER	CHC counter parity ER	PND counter parity ER	PND counter overrun	BBF out CBID in LRC ERR	CHL BUS IN 0 parity ER	CHL BUS IN 1 parity ER	0
4C	XRCK21 (H)							
	BBF input data LRC ERR	BBF input section LRC ERR	BBF input-output LRC ERR	BBIP parity error	BBOP parity error	TAG OUT parity error	CBOB out data parity ER	CBOB in-BBF in parity ER
4D	XRCK21 (L)							
	TAG IN FLG MEM parity ER	FLG MEM INP PTR parity ER	FLG MEM OUT PTR parity ER	TAG OUT sequence error	TAG OUT signal narrow	TAG OUT signal duplicate	0	0
4E	XRIFER							
	LCM-ADPA bus parity ER	LCM-ADPA bus LRC error	ADP I/F sequencer parity ER	ADP0 error	LCM-ADPB bus parity ER	LCM-ADPB bus LRC error	ADP I/F sequencer parity ER	ADP1 error
4F	XRBC0							
	Channel enable	Channel execute	Increment mode	Channel XFR mode 10:Read 11:Write		ADP I/F execute	Chain data flag	LRC enable

Byte27=88 & Byte34:b4-7=B & Byte28=01(MCP Failure:CHK2/ADP I/F ERR/B0 P-ERR)

(3/3)

	0	1	2	3	4	5	6	7
50	XRCHC(H)							
	Channel data transfer count							
51	XRCHC(L)							
	Channel data transfer count							
52	XRBBIP(H)							
	BBF data input address							
53	XRBBIP(L)							
	BBF data input address							
54	XRBBOP(H)							
	BBF data output address							
55	XRBBOP(L)							
	BBF data output address							
56	XRPNDR(H)							
	Burst Buffet Output Pointer							
57	XRPNDR(L)							
	Pend Counter							
58	XRBC1(H)							
	Force channel overrun	Force data XFR stop	Suppress data valid	BBF dummy DT output	(RSV)	(RSV)	(RSV)	(RSV)
59	XRBC1(L)							
	Request suppress data	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
5A	XRCC0(H)							
	DCC mode	EDCC mode	(RSV)	(RSV)	(RSV)	CHL XFR rate	010 : 4.5MB/S	
						000 : 3.0MB/S	100 : 6.0MB/S	
						001 : 4.2MB/S	110 : 9.0MB/S	
5B	XRCC0(L)							
	XRCA0,1, XRCC0 INIT end	(RSV)	(RSV)	HALT I/O ^CU Busy valid	DISCON valid	SEL RST valid	SYS RST valid (OPL OUT)	SYS RST valid (SUP OUT)
5C	x'00'							
5D	x'00'							
5E	x'00'							
5F	x'00'							
60	Module ID detected error							
61	Routine ID detected error							
62	Not used							
7F								

Byte27=88 & Byte34:b4-7=B & Byte28=0E (MCP Failure:Timeout)

(1/3)

	0	1	2	3	4	5	6	7
00	Time stamp							
05								
06	Log type							
07								
08	Failure classification							
09								
0A	System error code							
0B								
0C	JCB ID							
0D								
0E	REQ ID							
0F	24CMPAT	ECKD32	HOST RSP	SVP RSP	Processor ID			
10	VDEV#VLD	PDEV#VLD	SSB#VLD	LOG#VLD	SIM#VLD	RSSB#VLD	0	Force log
11	VDEV number							
12								
13	CDEV number				RDEV number			
14	LDEV type							
15	PDEV type							
16	SSB log number							
17								
18	Related failure log number							
19								
1A	Related SIM log number							
1B								
1C	Related SSB log number							
1D								
1E	(Reserved)							
1F	SCB							
20	Basic SSB							
21								
22								
23	Count							
24	Device address							
25	Cylinder address (low)							
26	Cylinder address (high)				Head address			
27	Format (x'8')				Message (x'8')			
28	MCP error message (x'0E':Timeout)							
29	LCP error code							
2A								
2B	Reason code							
2C								
2D	XRBS(H)							
	Data transfer end	CHK2 error	ADP interface error	Channel bus out parity ER	Channel overrun	Truncation	Halt I/O	Data XFR force end
2E	XRBS(L)							
	Data XFR abnormal end	Channel data XFR end	MP data XFR end	0	0	0	0	0
2F	XRASTS(H)							
	Path 0 ADP data XFR request	Path 1 ADP data XFR request	ADP path interface ready	ADP path busy	ADP path CALL M	ADP path SEL	ADP path CHK1	ADP path W-CHK1
30	XRASYS(L)							
	Receive buffer busy	Data FRM with attention	(RSV)	(RSV)	Path 0 ADP interface error	Path 1 ADP interface error	CHP 0 path busy	CHP 1 path busy
31	XRBC0(H)							
	Enable channel	Execute channel	(RSV)	Increment mode	Channel XFR mode 10:READ 11:WRITE		(RSV)	(RSV)

Byte27 = 88 & Byte34:b4-7 = B & Byte28 = 0E (MCP Failure:Timeout)

(2/3)

	0	1	2	3	4	5	6	7
32	Module ID							
33	Routine ID							
34	Processor number				Message code (x'B')			
35	SSID (low) of self subsystem							
36	Symptom code (x'FF88' : LDEV type = DKU87I/x'EF88' : LDEV type = DKU86I)							
37								
38	Log and message control (x'00')							
39	Program action code (x'00')							
3A	Configuration information							
3B								
3C	Not used (x'00')							
3D	Cylinder address							
3E								
3F	Head address							
40	MCP message code (x'0E)							
41	Key code (x'04')							
42	MCP error code							
43								
44	Command code							
45	x'00'							
46	x'00'							
47	x'00'							
48	Reason code							
49								
4A	XRBS (H)							
	Data transfer end	CHK2 error	ADP interface error	Channel bus out parity ER	Channel overrun	Truncation	Halt I/O	Data XFR force end
4B	XRBS (L)							
	Data XFR abnormal end	Channel data XFR end	MP data XFR end	0	0	0	0	0
4C	XRASTS (H)							
	Path 0 ADP data XFR request	Path 1 ADP data XFR request	ADP path interface ready	ADP path busy	ADP parh CALL M	ADP path SEL	ADP parh CHK1	ADP path W-CHK1
4D	XRASTS (L)							
	Receive buffer busy	Data FRM with attention	(RSV)	(RSV)	Path 0 ADP interface error	Path 1 ADP interface error	CHP 0 path busy	CHP 1 path busy
4E	XRBC0 (H)							
	Enable channel	Execute channel	(RSV)	Increment mode	Channel XFR mode 10:READ 11:WRITE		(RSV)	(RSV)
4F	XRBC0 (L)							
	ADP I/F data XFR execute	Chain data flag	LRC enable	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
50	XRCHC (H)							
	Channel data transfer count							
51	XRCHC (L)							
	Channel data transfer count							
52	XRBBIP (H)							
	BBF data input address							
53	XRBBIP (L)							
	BBF data input address							

Byte27=88 & Byte34:b4-7=B & Byte28=0E (MCP Failure:Timeout)

(3/3)

	0	1	2	3	4	5	6	7
54	XRBBOP(H)							
	BBF data output address							
55	XRBBOP(L)							
	BBF data output address							
56	XRPNDR(H)							
	Burst Buffet Output Pointer							
57	XRPNDR(L)							
	Pend Counter							
58	XRBC1(H)							
	Force channel overrun	Force data XFR stop	Suppress data valid	BBF dummy DT output	(RSV)	(RSV)	(RSV)	(RSV)
59	XRBC1(L)							
	Suppress data request	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
5A	XRCC0(H)							
	DCC mode	EDCC mode	(RSV)	(RSV)	(RSV)	CHL XFR rate 010 : 4.5MB/S 000 : 3.0MB/S 100 : 6.0MB/S 001 : 4.2MB/S 110 : 9.0MB/S		
5B	XRCC0(L)							
	XRCA0,1, XRCC0 INIT end	(RSV)	(RSV)	HALT I/O "CU Busy valid	DISCON valid	SEL RST valid	SYS RST valid (OPL OUT)	SYS RST valid (SUP OUT)
5C	x'00'							
5D	x'00'							
5E	x'00'							
5F	x'00'							
60	Module ID detected error							
61	Routine ID detected error							
62	Not used							

Byte27 = 88 & Byte34:b4-7 = B & Byte28 = 80 (MCP Failure :Burst Failed)

(1/3)

	0	1	2	3	4	5	6	7
00	Time stamp							
05								
06	Log type							
07								
08	Failure classification							
09								
0A	System error code							
0B								
0C	JCB ID							
0D								
0E	REQ ID							
0F	24CMPAT	ECKD32	HOST RSP	SVP RSP	Processor ID			
10	VDEV#VLD	PDEV#VLD	SSB#VLD	LOG#VLD	SIM#VLD	RSSB#VLD	0	Force log
11	VDEV number							
12								
13	CDEV number				RDEV number			
14	LDEV type							
15	PDEV type							
16	SSB log number							
17								
18	Related failure log number							
19								
1A	Related SIM log number							
1B								
1C	Related SSB log number							
1D								
1E	(Reserved)							
1F	SCB							
20	Basic SSB							
21								
22								
23	Count							
24	Device address							
25	Cylinder address (low)							
26	Cylinder address (high)				Head address			
27	Format (x'8')				Message (x'8')			
28	MCP error message (x'80':Burst failed)							
29	MCP error code							
2A								
2B	x'00'							
2C	x'00'							
2D	x'00'							
2E	x'00'							
2F	x'00'							
30	x'00'							
31	x'00'							
32	Module ID							
33	Routine ID							
34	Processor number				Message code (x'B')			
35	SSID (low) of self subsystem							
36	Symptom code (x'FF88' : LDEV type = DKU87I/x'EF88' : LDEV type = DKU86I)							
37								
38	Log and message control (x'00')							
39	Program action code (x'00')							
3A	Configuration information							
3B								
3C	Not used (x'00')							
3D	Cylinder address							
3E								
3F	Head address							

Byte27=88 & Byte34:b4-7=B & Byte28=80 (MCP Failure:Burst Failed)

(2/3)

	0	1	2	3	4	5	6	7
40	MCP message code (x'80')							
41	Key code (x'04')							
42	MCP error code							
43								
44	Not used							
45								
46								
47								
48								
49								
4A								
4B								
4C								
4D								
4E								
4F								
50	XRCHC(H)							
	Channel data transfer count							
51	XRCHC(L)							
	Channel data transfer count							
52	XRBBIP(H)							
	BBF data input address							
53	XRBBIP(L)							
	BBF data input address							
54	XRBBOP(H)							
	BBF data output address							
55	XRBBOP(L)							
	BBF data output address							
56	XRPNDR(H)							
	Burst buffer output pointer							
57	XRPNDR(L)							
	Pend Counter							
58	XRBC1(H)							
	Force channel overrun	Force data XFR stop	Suppress data valid	BBF dummy DT output	(RSV)	(RSV)	(RSV)	(RSV)
59	XRBC1(L)							
	Suppress data request	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
5A	XRCC0(H)							
	DCC mode	EDCC mode	(RSV)	(RSV)	(RSV)	CHL XFR rate 000:3.0MB/S 001:4.2MB/S	010:4.5MB/S 100:6.0MB/S 110:9.0MB/S	
5B	XRCC0(L)							
	XRCA0,1, XRCC0 INIT end	(RSV)	(RSV)	HALT I/O CU Busy valid	DISCON valid	SEL RST valid	SYS RST valid (OPL OUT)	SYS RST valid (SUP OUT)

Byte27=88 & Byte34:b4-7=B & Byte28=80 (MCP Failure :Burst failed)

(3/3)

	0	1	2	3	4	5	6	7
5C	Not used							
5D								
5E								
5F								
60	Module ID detected error							
61	Routine ID detected error							
62	Not used							
63								
64								
65								
66								
67								
68								
69								
6A								
6B								
6C								
6D								
6E								
6F								
70								
71								
72								
73								
74								
75								
76								
77								
78								
79								
7A								
7B								
7C								
7D								
7E								
7F								

Byte27 = 89, Byte10 Bit6 = 0 (Channel Interface CHA CHK2)

	0	1	2	3	4	5	6	7
00	Time stamp							
05								
06	Log type							
07								
08	Failure classification							
09								
0A	System error code							
0B								
0C	JCB ID							
0D								
0E	REQ ID							
0F	24CMPAT	ECKD32	HOST RSP	SVP RSP	Processor ID			
10	VDEV#VLD	PDEV#VLD	SSB#VLD	LOG#VLD	SIM#VLD	RSSB#VLD	0	Force log
11	VDEV number							
12								
13	CDEV number				RDEV number			
14	LDEV type							
15	PDEV type							
16	SSB log number							
17								
18	Related failure log number							
19								
1A	Related SIM log number							
1B								
1C	Related SSB log number							
1D								
1E	(Reserved)							
1F	SCB							
20	Basic SSB							
21								
22								
23	Count							
24	Device address							
25	Cylinder address (low)							
26	Cylinder address (high)				Head address			
27	Format (x'8')				Message (x'9')			
28	Subcode (See followed pages)							
29	Hardware information (See followed pages)							
2A								
2B								
2C								
2D								
2E								
2F								
30								
31								
32	Module ID							
33	Routine ID							
34	Processor number				Message code (x'0')			
35	SSID (low) of self subsystem							
36	Symptom code (x'FF89' : LDEV type = DKU87I/x'EF89' : LDEV type =DKU86I)*							
37								
38	Log and message control (x'00')							
39	Program action code (x'00')							
3A	Configuration information							
3B								
3C	Not used (x'00')							
3D	Cylinder address							
3E								
3F	Head address							
40	Hardware information (See followed pages)							
7F								

* : This information is not fixed until DKC reports SSB to HOST.

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SSBLOG05-640

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(1) Byte28=00:Other errors (except for following Host Adapter CHK2)

	0	1	2	3	4	5	6	7
28	Subcode: x'00':Other errors (except for following Host Adapter CHK2)							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL XFR sequencer parity error	CHR/CBIR pointer parity error	CHR SEQ pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
2D	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR sequencer parity error	CBOR/CHR/SHR pointer parity error	Packet sequencer parity error	Search sequencer parity error	SCH0/1 pointer parity error
2E	BSA::BSASSB #12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration Error

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(2) Byte28=01: Abnormal cache slot status 1

	0	1	2	3	4	5	6	7
28	Subcode: x'01':Abnormal cache slot status 1 (Note 1)							
29	Slot status							
2A	Slot status							
2B	Slot status							
2C	Slot status							
2D	Write in progress	Make GAP	Execute ERASE	Update HA/R0	Update BIT MAP	Not used		
2E	Subblock number for ready response for transfer							
2F	Start subblock number for incomplete record							
30	End subblock number for incomplete record							
31	Not used							

(Note 1) Abnormal cache slot status 1

Module ID(byte28)=55 : After synchronous destage, cache slot with dirty attribute has been detected.

Module ID(byte28)≠55 : In internal search or orientation process, incomplete subblock has been detected.

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(3) Byte28=02:Abnormal cache slot status 2

	0	1	2	3	4	5	6	7
28	Subcode: x'02':Abnormal cache slot status 2 (Note 1)							
29	Slot status							
2A	Slot status							
2B	Slot status							
2C	Slot status							
2D	Write in progress	Make GAP	Execute ERASE	Update HA/R0	Update BIT MAP	Not used		
2E	Subblock number for ready response for transfer							
2F	Start subblock number for processing record							
30	End subblock number for processing record							
31	Not used							

(Note 1) Cache ECC/LRC error has been detected in read side.

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(4) Byte28=10:BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'10':BSA1 CHK2 error							
29	BSA::BSASSB #00 (CHK2A information)							
	Check error	Last cycle error	Slave 1 parity error	Slave 2 parity error	Slave ID error	FBS read data error	FBS read P-LRC error	FDB parity error
2A	BSA::BSASSB #01 (CHK2A information)							
	Slave 1 error	Slave 1 warning	Slave 2 error	Slave 2 warning	(RSV)	(RSV)	(RSV)	(RSV)
2B	BSA::BSASSB #03 (CHK2B information)							
	HDB 1 parity error	HDB 3 parity error	HDB 2 parity error	HDB 4 parity error	LRC GEN parity error	HDB 1/2 data parity error	HDB 3/4 data parity error	(RSV)
2C	BSA::BSASSB #04 (CHK2C information)							
	Side A access parity error	Side B access parity error	Side-A invalid error	Side-B invalid error	F bus timeout	(RSV)	WCHK1 assert	F bus timer parity error
2D	BSA::BSASSB #05 (CHK2C information)							
	(RSV)	Request sequencer parity error	Request counter/pointer parity error	MYGRANT parity error	Arbitration count over	DBF access parity error	CHA invalid read	Bus mode error
2E	BSA::BSASSB #06 (CHK2C information)							
	WRS counter/pointer parity error	WR1 sequence error	WR1 counter/pointer parity error	WR2 sequence error	WR2 counter/pointer parity error	WR3 sequence error	WR3 counter/pointer parity error	DBF address counter A parity error
2F	BSA::BSASSB #07 (CHK2C information)							
	DBF address counter B parity error	Transfer count over	Command/status A unmatched	Command/status B unmatched	RD1 sequence error	RD1 counter/pointer parity error	RD2 sequence error	RD2 counter/pointer parity error
30	BSA::BSASSB #08 (CHK2C information)							
	RD3 sequence error	RD3 counter/pointer parity error	RD4 sequence error	RD4 counter/pointer parity error	DKA sequence error	DKA counter/pointer parity error	(RSV)	(RSV)
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(5) Byte28=20:BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'20':BSA0 CHK2 error							
29	BSA::BSASSB #00 (CHK2A information)							
	Check error	Last cycle error	Slave 1 parity error	Slave 2 parity error	Slave ID error	FBS read data error	FBS read P-LRC error	FDB parity error
2A	BSA::BSASSB #01 (CHK2A information)							
	Slave 1 error	Slave 1 warning	Slave 2 error	Slave 2 warning	(RSV)	(RSV)	(RSV)	(RSV)
2B	BSA::BSASSB #03 (CHK2B information)							
	HDB 1 parity error	HDB 3 parity error	HDB 2 parity error	HDB 4 parity error	LRC GEN parity error	HDB 1/2 data parity error	HDB 3/4 data parity error	(RSV)
2C	BSA::BSASSB #04 (CHK2C information)							
	Side A access parity error	Side B access parity error	Side-A invalid error	Side-B invalid error	F bus timeout	(RSV)	WCHK1 assert	F bus timer parity error
2D	BSA::BSASSB #05 (CHK2C information)							
	(RSV)	Request sequencer parity error	Request counter/pointer parity error	MYGRANT parity error	Arbitration count over	DBF access parity error	CHA invalid read	Bus mode error
2E	BSA::BSASSB #06 (CHK2C information)							
	WRS counter/pointer parity error	WR1 sequence error	WR1 counter/pointer parity error	WR2 sequence error	WR2 counter/pointer parity error	WR3 sequence error	WR3 counter/pointer parity error	DBF address counter A parity error
2F	BSA::BSASSB #07 (CHK2C information)							
	DBF address counter B parity error	Transfer count over	Command/status A unmatched	Command/status B unmatched	RD1 sequence error	RD1 counter/pointer parity error	RD2 sequence error	RD2 counter/pointer parity error
30	BSA::BSASSB #08 (CHK2C information)							
	RD3 sequence error	RD3 counter/pointer parity error	RD4 sequence error	RD4 counter/pointer parity error	DKA sequence error	DKA counter/pointer parity error	(RSV)	(RSV)
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(6) Byte28=30:BSA0-1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'30':BSA0-1 CHK2 error							
29	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error		Slave ID error	F bus read data error	FDB parity error	Slave 1 error	slave 2 error
2A	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus command	WCHK1 assert	F bus timer parity error	Request sequence error
2B	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF ADR counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
2C	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)
2D	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2E	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 ASSERT	F bus timer parity error	Request sequence error
2F	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
30	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)
31	RCHA::BSACK2							
	BSA0 packet retry possible	BSA0 packet retry impossible: data transfer interruption check	BSA0 packet retry impossible: data transfer interruption CHK2	BSA0 CHK2: asynch-ronous CHK2	BSA1 packet retry possible	BSA1 packet retry impossible: data transfer interruption check	BSA1 packet retry impossible: data transfer interruption CHK2	BSA1 CHK2: asynch-ronous CHK2

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(7) Byte28=40:RCHA CHK2 ST0 error

	0	1	2	3	4	5	6	7
28	Subcode: x'40':RCHA CHK2 ST0 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL XFR sequencer parity error	CHR/CBIR pointer parity error	CHR SEQ pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
2C	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR sequencer parity error	CBOR/CHR/SHR pointer parity error	Packet sequencer parity error	Search sequencer parity error	SCH0/1 pointer parity error
2D	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2E	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF XFR W/R pointer parity error	BSA packet receive stop error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
2F	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
30	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
31	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/PRTOUT/PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(8) Byte28=41:RCHK CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'41':RCHA CHK2 ST1 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2C	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF XFR W/R pointer parity error	BSA packet receive stop error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA DT register counter parity error	CBXSQ CBR pointer parity error
2D	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2E	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
2F	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/PRTOUT/PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
30	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	Error counter overflow	Reduction CBIR pointer parity error
31	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(9) Byte28=42:RCHA CHK2 ST2,3,4 error

	0	1	2	3	4	5	6	7
28	Subcode: x'42':RCHA CHK2 ST2,3,4 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2C	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
2D	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/PRTOUT/PRTOUPT parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2E	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter overflow	Reduction CBIR pointer parity error
2F	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
30	RCHA::CHK2ST4							
	MICRO access error (CKD data length error)	MICRO access error (FBA data length error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
31	RCHA::ADPCK2							
	CHL transfer check	CHL overrun	CHACHK2 (CHA)	CHACHK2 (EADP)	CHACHK2 (BSA)	CHACHK2 (MP)	CHC=0 at parallel channel	FBADL=0 at BSA side

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(10) Byte28=50:RCHA CHK2 ST0 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'50':RCHA CHK2 ST0 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL XFR sequencer parity error	CHR/CBIR pointer parity error	CHR SEQ pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
2C	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR sequencer parity error	CBOR/CHR/SHR pointer parity error	Packet sequencer parity error	Search sequencer parity error	SCH0/1 pointer parity error
2D	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B&CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 ASSERT	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(11) Byte28=51:RCHA CHK2 ST1 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'51':RCHA CHK2 ST1 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2C	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF/XFR W/R pointer parity error	BSA packet receive stop error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
2D	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B&CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(12) Byte28=52:RCHA CHK2 ST2 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'52':RCHA CHK2 ST2 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2C	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
2D	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/PRTOUT/PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B&CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(13) Byte28=53:RCHA CHK2 ST3 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'53':RCHA CHK2 ST3 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/ PRTOUT/ PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2C	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter overflow	Reduction CBIR pointer parity error
2D	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(14) Byte28=54:RCHA CHK2 ST4 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'54':RCHA CHK2 ST4 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
2C	RCHA::CHK2ST4							
	MICRO access error (CKD data length error)	MICRO access error (FBA data length error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
2D	RCHA::ADPCK2							
	CHL transfer check	CHL overrun	CHACHK2 (CHA)	CHACHK2 (EADP)	CHACHK2 (BSA)	CHACHK2 (MP)	CHC=0 at parallel channel	FBADL=0 at BSA side
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B&CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(15) Byte28=60:RCHA CHK2 ST0 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'60':RCHA CHK2 ST0 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL XFR sequencer parity error	CHR/CBIR pointer parity error	CHR SEQ pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
2C	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR sequencer parity error	CBOR/CHR/SHR pointer parity error	Packet sequencer parity error	Search sequencer parity error	SCH0/1 pointer parity error
2D	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(16) Byte28=61:RCHA CHK2 ST1 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'61':RCHA CHK2 ST1 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length parity error	Packet length counter parity error
2C	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF XFR W/R pointer parity error	BSA packet receive stop error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
2D	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B&CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(17) Byte28=62:RCHA CHK2 ST2 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'62':RCHA CHK2 ST2 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2C	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
2D	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/PRTOU/PRTOU/TP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2E	BSA::BSASSB_#02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid cammand	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequencer error
30	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(18) Byte28=63:RCHA CHK2 ST3 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'63':RCHA CHK2 ST3 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/ PRTOUT/ PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2C	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter overflow	Reduction CBIR pointer parity error
2D	RCHA::CHK2ST4							
	Next segment address remain at end of trasfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
2E	BSA::BSASSB_#02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequencer error
30	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(19) Byte28=64:RCHA CHK2 ST4 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'64':RCHA CHK2 ST4 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
2C	RCHA::CHK2ST4							
	MICRO access error (CKD data length error)	MICRO access error (FBA data length error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
2D	RCHA::ADPCK2							
	CHL transfer check	CHL overrun	CHACHK2 (CHA)	CHACHK2 (EADP)	CHACHK2 (BSA)	CHACHK2 (MP)	CHC=0 at parallel channel	FBADL=0 at BSA side
2E	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequencer error
30	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(20) Byte28=70:RCHA CHK2 ST0 error & BSA0-1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'70':RCHA CHK2 ST0 error & BSA0-1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL XFR sequencer parity error	CHR/CBIR pointer parity error	CHR SEQ pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
2C	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR sequencer parity error	CBOR/CHR/SHR pointer parity error	Packet sequencer parity error	Search sequencer parity error	SCH0/1 pointer parity error
2D	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(21) Byte28=71:RCHA CHK2 ST1 error & BSA0-1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'71':RCHA CHK2 ST1 error & BSA0-1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2C	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF XFR W/R pointer parity error	BSA packet receive stop error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
2D	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(22) Byte28=72:RCHA CHK2 ST2 error & BSA0-1 CHK2 Error

	0	1	2	3	4	5	6	7
28	Subcode: x'72':RCHA CHK2 ST2 error & BSA0-1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2C	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
2D	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/PRTOUT/PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2E	BSA::BSASSB_#12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
2F	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB_#12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
31	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(23) Byte28=73:RCHA CHK2 ST3 error & BSA0:1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'73':RCHA CHK2 ST3 error & BSA0:1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/PRTOU/PRTOU TP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2C	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter overflow	Reduction CBIR pointer parity error
2D	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
2E	BSA::BSASSB_#12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
2F	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB_#12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
31	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(24) Byte28=74:RCHA CHK2 ST4 error & BSA0-1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'74':RCHA CHK2 ST4 error & BSA0-1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
2C	RCHA::CHK2ST4							
	MICRO access error (CKD data length error)	MICRO access error (FBA data length error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
2D	RCHA::ADPCK2							
	CHL transfer check	CHL overrun	CHACHK2 (CHA)	CHACHK2 (EADP)	CHACHK2 (BSA)	CHACHK2 (MP)	CHC=0 at parallel channel	FBADL=0 at BSA side
2E	BSA::BSASSB_#12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
2F	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB_#12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
31	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(25) Byte28=80:EADP CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'80':EADP CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	RCHA::ADPCK2							
	CHL transfer check	CHL overrun	CHACHK2 (CHA)	CHACHK2 (EADP)	CHACHK2 (BSA)	CHACHK2 (MP)	CHC=0 at parallel channel	FBADL=0 at BSA side
2C	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/ PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2D	EADP::CK21 (at data transfer between LCM-ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2E	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2F	EADP::CS1							
	System reset	Selective reset	PNL RST (Enable•Di sable)	Halt I/O	LCM transfer terminate	(RSV)	(RSV)	(RSV)
30	EADP::SELP							
	Path A select	Path B select	Path C select	Path D select	Path E select	Path F select	Path G select	Path H select
31	EADP::LSTA							
	LCM BUSY	LCP STOP	LCP ADRCMP match	LCM TRACER stop	ADP-LCM communication error	LCM detected WCHK1	LCM path disable	Parallel channel

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(26) Byte28=90:EADP CHK2 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'90':EADP CHK2 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	EADP::CK21 (at data transfer between LCM-ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2D	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2E	BSA::BSASSB_#02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(27) Byte28=A0:EADP CHK2 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'A0':EADP CHK2 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	EADP::CK21 (at data transfer between LCM-ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2D	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(28) Byte28=B0:EADP CHK2 error & BSA0.1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'B0':EADP CHK2 error & BSA0.1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0.1 retry MP request	BSA0.1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	EADP::CK21 (at data transfer between LCM-ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2D	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(29) Byte28=C0:EADP CHK2 error & RCHA CHK2 ST0 error

	0	1	2	3	4	5	6	7
28	Subcode: x'C0':EADP CHK2 error & RCHA CHK2 ST0 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	EADP::CK21 (at data transfer between LCM-ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2D	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2E	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL XFR sequencer parity error	CHR/CBIR pointer parity error	CHR SEQ pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
2F	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR sequencer parity error	CBOR/CHR/SHR pointer parity error	Packet sequencer parity error	Search sequencer parity error	SCH0/1 pointer parity error
30	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
31	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF XFR W/R pointer parity error	BSA packet receive stop error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(30) Byte28=C1:EADP CHK2 error & RCHA CHK2 ST1 error

	0	1	2	3	4	5	6	7
28	Subcode: x'C1':EADP CHK2 error & RCHA CHK2 ST1 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MARI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	EADP::CK21 (at data transfer between LCM-ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2D	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2E	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2F	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF XFR W/R pointer parity error	BSA packet receive stop error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
30	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
31	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(31) Byte28=C2:EADP CHK2 error & RCHA CHK2 ST2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'C2':EADP CHK2 error & RCHA CHK2 ST2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	EADP::CK21 (at data transfer between LCM-ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2D	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2E	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2F	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
30	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/PRTOUT/PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
31	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	Error counter overflow	Reduction CBIR pointer parity error

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(32) Byte28=C3:EADP CHK2 error & RCHA CHK2 ST3,4 error

	0	1	2	3	4	5	6	7
28	Subcode: x'C3':EADP CHK2 error & RCHA CHK2 ST3,4 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	EADP::CK21 (at data transfer between LCM-ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2D	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2E	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/PRTOUT/PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2F	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter overflow	Reduction CBIR pointer parity error
30	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
31	RCHA::CHK2ST4							
	MICRO access error (CKD data length error)	MICRO access error (FBA data length error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(33) Byte28=D0:EADP CHK2 CK20 error & RCHA CHK2 ST0 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'D0':EADP CHK2 CK20 error & RCHA CHK2 ST0 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL XFR sequencer parity error	CHR/CBIR pointer parity error	CHR SEQ pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
2D	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR sequencer parity error	CBOR/CHR/SHR pointer parity error	Packet sequencer parity error	Search sequencer parity error	SCH0/1 pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(34) Byte28=D1:EADP CHK2 CK20 error & RCHA CHK2 ST1 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'D1':EADP CHK2 CK20 error & RCHA CHK2 ST1 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2D	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF XFR W/R pointer parity error	BSA packet receive stop error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(35) Byte28=D2:EADP CHK2 CK20 error & RCHA CHK2 ST2 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'D2':EADP CHK2 CK20 error & RCHA CHK2 ST2 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2D	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(36) Byte28=D3:EADP CHK2 CK20 error & RCHA CHK2 ST3 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'D3':EADP CHK2 CK20 error & RCHA CHK2 ST3 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/PRTOUT/PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2D	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter overflow	Reduction CBIR pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(37) Byte28=D4:EADP CHK2 CK20 error & RCHA CHK2 ST4 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'D4':EADP CHK2 CK20 error & RCHA CHK2 ST4 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
2D	RCHA::CHK2ST4							
	MICRO access error (CKD data length error)	MICRO access error (FBA data length error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(38) Byte28=D5:EADP CHK2 CK21 error & RCHA CHK2 ST0 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'D5':EADP CHK2 CK21 error & RCHA CHK2 ST0 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK21 (at data transfer between LCM and ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2C	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL XFR sequencer parity error	CHR/CBIR pointer parity error	CHR SEQ pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
2D	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR sequencer parity error	CBOR/CHR/SHR pointer parity error	Packet sequencer parity error	Search sequencer parity error	SCH0/1 pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(39) Byte28=D6:EADP CHK2 CK21 error & RCHA CHK2 ST1 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'D6':EADP CHK2 CK21 error & RCHA CHK2 ST1 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK21 (at data transfer between LCM and ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2C	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2D	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF XFR W/R pointer parity error	BSA packet receive stop error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(40) Byte28=D7:EADP CHK2 CK21 error & RCHA CHK2 ST2 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'D7':EADP CHK2 CK21 error & RCHA CHK2 ST2 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK21 (at data transfer between LCM and ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2C	RCHA::CHK2ST2							
	Pending counter parity error	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2D	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(41) Byte28=D8:EADP CHK2 CK21 error & RCHA CHK2 ST3 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'D8':EADP CHK2 CK21 error & RCHA CHK2 ST3 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK21 (at data transfer between LCM and ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2C	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/ PRTOUT/ PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2D	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter overflow	Reduction CBIR pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(42) Byte28=D9:EADP CHK2 CK21 error & RCHA CHK2 ST4 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'D9':EADP CHK2 CK21 error & RCHA CHK2 ST4 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK21 (at data transfer between LCM and ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2C	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
2D	RCHA::CHK2ST4							
	MICRO access error (CKD data length error)	MICRO access error (FBA data length error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(43) Byte28=DA:EADP CHK2 CK22 error & RCHA CHK2 ST0 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'DA':EADP CHK2 CK22 error & RCHA CHK2 ST0 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK22 (ADP and LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2C	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL XFR sequencer parity error	CHR/CBIR pointer parity error	CHR SEQ pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
2D	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR sequencer parity error	CBOR/CHR/SHR pointer parity error	Packet sequencer parity error	Search sequencer parity error	SCH0/1 pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(44) Byte28=DB:EADP CHK2 CK22 error & RCHA CHK2 ST1 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'DB':EADP CHK2 CK22 error & RCHA CHK2 ST1 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK22 (ADP and LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2C	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2D	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF XFR W/R pointer parity error	BSA packet receive stop error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(45) Byte28=DC:EADP CHK2 CK22 error & RCHA CHK2 ST2 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'DC':EADP CHK2 CK22 error & RCHA CHK2 ST2 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK22 (ADP and LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2C	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2D	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(46) Byte28=DD:EADP CHK2 CK22 error & RCHA CHK2 ST3 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'DD':EADP CHK2 CK22 error & RCHA CHK2 ST3 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASH=CPU	Search result DASH>CPU	Search result DASH<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK22 (ADP and LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2C	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/ PRTOUT/ PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2D	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter overflow	Reduction CBIR pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(47) Byte28=DE:EADP CHK2 CK22 error & RCHA CHK2 ST4 error & BSA1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'DE':EADP CHK2 CK22 error & RCHA CHK2 ST4 error & BSA1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK22 (ADP and LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2C	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
2D	RCHA::CHK2ST4							
	MICRO access error (CKD data length error)	MICRO access error (FBA data length error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(48) Byte28=E0:EADP CHK2 CK20 error & RCHA CHK2 ST0 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'E0':EADP CHK2 CK20 error & RCHA CHK2 ST0 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC ERR (read transfer)	LRC ERR (write transfer)	(RSV)
2C	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL XFR sequencer parity error	CHR/CBIR pointer parity error	CHR SEQ pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
2D	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR sequencer parity error	CBOR/CHR/SHR pointer parity error	Packet sequencer parity error	Search sequencer parity error	SCH0/1 pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(49) Byte28=E1:EADP CHK2 CK20 error & RCHA CHK2 ST1 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'E1':EADP CHK2 CK20 error & RCHA CHK2 ST1 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC ERR (read transfer)	LRC ERR (write transfer)	(RSV)
2C	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2D	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF XFR W/R pointer parity error	BSA packet receive stop error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(50) Byte28=E2:EADP CHK2 CK20 error & RCHA CHK2 ST2 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'E2':EADP CHK2 CK20 error & RCHA CHK2 ST2 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC ERR (read transfer)	LRC ERR (write transfer)	(RSV)
2C	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2D	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(51) Byte28=E3:EADP CHK2 CK20 error & RCHA CHK2 ST3 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'E3':EADP CHK2 CK20 error & RCHA CHK2 ST3 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC ERR (read transfer)	LRC ERR (write transfer)	(RSV)
2C	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/PRTOUT/PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2D	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter overflow	Reduction CBIR pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(52) Byte28=E4:EADP CHK2 CK20 error & RCHA CHK2 ST4 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'E4':EADP CHK2 CK20 error & RCHA CHK2 ST4 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC ERR (read transfer)	LRC ERR (write transfer)	(RSV)
2C	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
2D	RCHA::CHK2ST4							
	MICRO access error (CKD data length error)	MICRO access error (FBA data length error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(53) Byte28=E5:EADP CHK2 CK21 error & RCHA CHK2 ST0 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'E5':EADP CHK2 CK21 error & RCHA CHK2 ST0 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK21 (at data transfer between LCM and ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2C	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL XFR sequencer parity error	CHR/CBIR pointer parity error	CHR SEQ pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
2D	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR sequencer parity error	CBOR/CHR/SHR pointer parity error	Packet sequencer parity error	Search sequencer parity error	SCH0/1 pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(54) Byte28=E6:EADP CHK2 CK21 error & RCHA CHK2 ST1 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'E6':EADP CHK2 CK21 error & RCHA CHK2 ST1 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK21 (at data transfer between LCM and ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2C	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2D	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF XFR W/R pointer parity error	BSA packet receive stop error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(55) Byte28=E7:EADP CHK2 CK21 error & RCHA CHK2 ST2 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'E7':EADP CHK2 CK21 error & RCHA CHK2 ST2 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK21 (at data transfer between LCM and ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2C	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2D	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(56) Byte28=E8:EADP CHK2 CK21 error & RCHA CHK2 ST3 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'E8':EADP CHK2 CK21 error & RCHA CHK2 ST3 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK21 (at data transfer between LCM and ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2C	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/ PRTOUT/ PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2D	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter overflow	Reduction CBIR pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitraion timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(57) Byte28=E9:EADP CHK2 CK21 error & RCHA CHK2 ST4 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'E9':EADP CHK2 CK21 error & RCHA CHK2 ST4 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK21 (at data transfer between LCM and ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2C	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
2D	RCHA::CHK2ST4							
	MICRO access error (CKD data length error)	MICRO access error (FBA data length error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(58) Byte28=EA:EADP CHK2 CK22 error & RCHA CHK2 ST0 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'EA':EADP CHK2 CK22 error & RCHA CHK2 ST0 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2C	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL XFR sequencer parity error	CHR/CBIR pointer parity error	CHR SEQ pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
2D	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR sequencer parity error	CBOR/CHR/SHR pointer parity error	Packet sequencer parity error	Search sequencer parity error	SCH0/1 pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(59) Byte28=EB:EADP CHK2 CK22 error & RCHA CHK2 ST1 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'EB':EADP CHK2 CK22 error & RCHA CHK2 ST1 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2C	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2D	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF XFR W/R pointer parity error	BSA packet receive stop error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(60) Byte28=EC:EADP CHK2 CK22 error & RCHA CHK2 ST2 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'EC':EADP CHK2 CK22 error & RCHA CHK2 ST2 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2C	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2D	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(61) Byte28=ED:EADP CHK2 CK22 error & RCHA CHK2 ST3 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'ED':EADP CHK2 CK22 error & RCHA CHK2 ST3 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2C	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/ PRTOUT/ PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2D	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter overflow	Reduction CBIR pointer parity error
2E	BSA::BSASSB #02 (CHK2A information)							
	Check error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(62) Byte28=EE:EADP CHK2 CK22 error & RCHA CHK2 ST4 error & BSA0 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'EE':EADP CHK2 CK22 error & RCHA CHK2 ST4 error & BSA0 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2C	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
2D	RCHA::CHK2ST4							
	MICRO access error (CKD data length error)	MICRO access error (FBA data length error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
2E	BSA::BSASSB #02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
2F	BSA::BSASSB #09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	Double CHK1 assert	F bus timer parity error	Request sequence error
30	BSA::BSASSB #10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
31	BSA::BSASSB #11 (CHK2D information)							
	LIVE INS	F bus open	Arbitration sequencer parity error	LI counter parity error	Arbitration timeout	Arbitration timer parity error	Request protocol error	(RSV)

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(63) Byte28=F0:EADP CHK2 CK20 error & RCHA CHK2 ST0 error & BSA0-1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'F0':EADP CHK2 CK20 error & RCHA CHK2 ST0 error & BSA0-1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASH=CPU	Search result DASH>CPU	Search result DASH<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL XFR sequencer parity error	CHR/CBIR pointer parity error	CHR SEQ pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
2D	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR sequencer parity error	CBOR/CHR/SHR pointer parity error	Packet sequencer parity error	Search sequencer parity error	SCH0/1 pointer parity error
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command sequence	F bus timeout	WCHK1 assert
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command sequence	F bus timeout	WCHK1 ASSERT
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	Fbus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(64) Byte28=F1:EADP CHK2 CK20 error & RCHA CHK2 ST1 error & BSA0-1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'F1':EADP CHK2 CK20 error & RCHA CHK2 ST1 error & BSA0-1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2D	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF XFR W/R pointer parity error	BSA packet receive stop error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(65) Byte28=F2:EADP CHK2 CK20 error & RCHA CHK2 ST2 error & BSA0:1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'F2':EADP CHK2 CK20 error & RCHA CHK2 ST2 error & BSA0:1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2D	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(66) Byte28=F3:EADP CHK2 CK20 error & RCHA CHK2 ST3 error & BSA0-1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'F3':EADP CHK2 CK20 error & RCHA CHK2 ST3 error & BSA0-1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/PRTOUT/PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2D	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter overflow	Reduction CBIR pointer parity error
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(67) Byte28=F4:EADP CHK2 CK20 error & RCHA CHK2 ST4 error & BSA0:1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'F4':EADP CHK2 CK20 error & RCHA CHK2 ST4 error & BSA0:1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI/PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
2D	RCHA::CHK2ST4							
	MICRO access error (CKD data length error)	MICRO access error (FBA data length error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(68) Byte28=F5:EADP CHK2 CK21 error & RCHA CHK2 ST0 error & BSA0-1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'F5':EADP CHK2 CK21 error & RCHA CHK2 ST0 error & BSA0-1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK21 (at data transfer between LCM and ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2C	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL XFR sequencer parity error	CHR/CBIR pointer parity error	CHR SEQ pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
2D	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR sequencer parity error	CBOR/CHR/SHR pointer parity error	Packet sequencer parity error	Search sequencer parity error	SCH0/1 pointer parity error
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(69) Byte28=F6:EADP CHK2 CK21 error & RCHA CHK2 ST1 error & BSA0:1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'F6':EADP CHK2 CK21 error & RCHA CHK2 ST1 error & BSA0:1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK21 (at data transfer between LCM and ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2C	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2D	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF XFR W/R pointer parity error	BSA packet receive stop error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(70) Byte28=F7:EADP CHK2 CK21 error & RCHA CHK2 ST2 error & BSA0-1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'F7':EADP CHK2 CK21 error & RCHA CHK2 ST2 error & BSA0-1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK21 (at data transfer between LCM and ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2C	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2D	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(71) Byte28=F8:EADP CHK2 CK21 error & RCHA CHK2 ST3 error & BSA0:1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'F8':EADP CHK2 CK21 error & RCHA CHK2 ST3 error & BSA0:1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK21 (at data transfer between LCM and ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2C	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/ PRTOUT/ PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2D	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter overflow	Reduction CBIR pointer parity error
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(72) Byte28=F9:EADP CHK2 CK21 error & RCHA CHK2 ST4 error & BSA0-1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'F9':EADP CHK2 CK21 error & RCHA CHK2 ST4 error & BSA0-1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK21 (at data transfer between LCM and ADP)							
	MICRO frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
2C	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
2D	RCHA::CHK2ST4							
	MICRO access error (CKD data length error)	MICRO access error (FBA data length error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(73) Byte28=FA:EADP CHK2 CK22 error & RCHA CHK2 ST0 error & BSA0-1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'FA':EADP CHK2 CK22 error & RCHA CHK2 ST0 error & BSA0-1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2C	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL XFR sequencer parity error	CHR/CBIR pointer parity error	CHR SEQ pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
2D	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR sequencer parity error	CBOR/CHR/SHR pointer parity error	Packet sequencer parity error	Search sequencer parity error	SCH0/1 pointer parity error
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(74) Byte28=FB:EADP CHK2 CK22 error & RCHA CHK2 ST1 error & BSA0-1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'FB':EADP CHK2 CK22 error & RCHA CHK2 ST1 error & BSA0-1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2C	RCHA::CHK2ST1							
	Pending counter parity error	Subblock offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
2D	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF XFR W/R pointer parity error	BSA packet receive stop error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(75) Byte28=FC:EADP CHK2 CK22 error & RCHA CHK2 ST2 error & BSA0-1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'FC':EADP CHK2 CK22 error & RCHA CHK2 ST2 error & BSA0-1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2C	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/ALWCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC compare error	CBIR1 input data parity error
2D	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(76) Byte28=FD:EADP CHK2 CK22 error & RCHA CHK2 ST3 error & BSA0-1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'FD':EADP CHK2 CK22 error & RCHA CHK2 ST3 error & BSA0-1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP I/F ERR	LCMB LC M-ADP I/F ERR	LCMC LCM-ADP I/F ERR	LCMD LCM-ADP I/F ERR	LCME LCM-ADP I/F ERR	LCMF LCM-ADP I/F ERR	LCMG LCM-ADP I/F ERR	LCMH LCM-ADP I/F ERR
2C	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/ PRTOUT/ PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	MICRO packet counter parity error	XFREND0 counter parity error
2D	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter overflow	Reduction CBIR pointer parity error
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(77) Byte28=FE:EADP CHK2 CK22 error & RCHA CHK2 ST4 error & BSA0:1 CHK2 error

	0	1	2	3	4	5	6	7
28	Subcode: x'FE':EADP CHK2 CK22 error & RCHA CHK2 ST4 error & BSA0:1 CHK2 error							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK22 (ADP-LCM interface error)							
	LCMA LCM-ADP interface error	LCMB LCM-ADP interface error	LCMC LCM-ADP interface error	LCMD LCM-ADP interface error	LCME LCM-ADP interface error	LCMF LCM-ADP interface error	LCMG LCM-ADP interface error	LCMH LCM-ADP interface error
2C	RCHA::CHK2ST4							
	Next segment address remain at end of transfer	CHR data remain at end of transfer	CBIR0 data remain at end of transfer	CBIR1 data remain at end of transfer	CBR data remain at end of transfer	CBOR data remain at end of transfer	(RSV)	(RSV)
2D	RCHA::CHK2ST4							
	MICRO access error (CKD data length error)	MICRO access error (FBA data length error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
2E	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	Check error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout

Byte27=89 (Host Adapter CHK2) Byte28-31 Detail

(78) Byte28=FF : No Err (Abort cause an other reason)

	0	1	2	3	4	5	6	7
28	Subcode: x'FF':No Err (Abort cause an other reason)							
29	RCHA::XFS0							
	CHA transfer end	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
2A	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	BSA0,1 retry MP request	BSA0,1 MP Abort/CHA Abort
2B	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRTI PRTIP parity error	CHBUS0 parity error (read transfer)	CHBUS1 parity error (read transfer)	CHBUS0 parity error (write transfer)	CHBUS1 parity error (write transfer)	LRC error (read transfer)	LRC error (write transfer)	(RSV)
2C	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL XFR sequencer parity error	CHR/CBIR pointer parity error	CHR SEQ pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
2D	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR sequencer parity error	CBOR/CHR/SHR pointer parity error	Packet sequencer parity error	Search sequencer parity error	SCH0/1 pointer parity error
2E	BSA::BSASSB #12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
2F	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration timeout
30	BSA::BSASSB #12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 ASSERT
31	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	Arbitration error	Arbitration Error

Byte27=89 (Host Adaptor CHK2) Byte40-7F Detail

(1) Subcode (byte28) = 01/02 & Module ID (byte32)=58/59

(1/4)

	0	1	2	3	4	5	6	7
40	RCHK::ERSTS0							
	i960 WR compare error	Not used	MIC READYI timeout	CHK1A	CHK1B	Scan LM,XR access error	Not used	Not used
41	RCHK::CHK1ASTS							
	i960→LM access Uncorrectable error	i960 LM write protect	i960 LM out of area	Not used	Not used	LANC→LM write protect	LANC→LM out of area	
	Bank0	Bank1						
42	RCHK::CHK1BSTS							
	Refresh register parity error	Not used	Not used	Not used	Not used	Not used	Not used	Not used
43	MIC::CHK3STS+MICCHK1STS							
	MIC arbiter CHK3	CHK3 error in SMP	Not used	Not used	MPU reset counter parity error	Hard timer parity error	Wait timer parity error	Hold timer parity error
44	MIC::MICCHK1STS							
	LAN hold timeout	Wait timeout	XR decoder error (29A)	XR decoder error (3B)	Arbiter data parity error	XR address parity error	Local bus data parity error	Data parity error
45	SMP::CHK1BERROR							
	Address byte 0 parity error	Address byte 1 parity error	Address byte 2 parity error	Address byte 3 parity error	Data byte 0 parity error	Data byte 1 parity error	Data byte 2 parity error	Data byte 3 parity error
46	SMP::MSTERR							
	Requester error (M bus)	S-memory reduction error	Bus mode setting error	Address byte 0 parity error	Address byte 1 parity error	Address byte 2 parity error	1st read data bus code error	2nd read data bus code error
47	SMP::MSTERR							
	Read data compare error	1st error phase bus code error	2nd error phase bus code error	Error phase warning	Error phase any error	F bus check error	M bus check error	Master timeout error
48	SMP::MSTERR							
	Master timer parity error	F bus Arbit error	Address byte 3 parity error	Data parity error in SMP	Last data check error (0)	F bus open detected	M bus open detected	Not used
49	SMP::SLVERR							
	Address bus code error	Command bus code error	Data bus code error	Write bus parity error	Transfer count error (Command)	Bus mode error (Command)	Transfer mode error (Command)	Not used
4A	EADP::CS1+ASTS+CS0							
	System reset	Selective reset	Panel reset	Halt I/O	LCM data transfer end	LCM receive buffer busy	LCM set attention received	Option side
4B	EADP::XCTL							
	Data transfer request	Set attention request	Buffer busy request	(RSV)	Data transfer length at one frame 0: 1 byte 2: 4 byte 8: 16 byte 1: 2 byte 4: 8 byte			
4C	EADP::SELP							
	Path A select	Path B select	Path C select	Path D select	Path E select	Path F select	Path G select	Path H select
4D	EADP::REQM							
	Path A REQM request	Path B REQM request	Path C REQM request	Path D REQM request	Path E REQM request	Path F REQM request	Path G REQM request	Path H REQM request
4E	EADP::CALM							
	Path A CALM request	Path B CALM request	Path C CALM request	Path D CALM request	Path E CALM request	Path F CALM request	Path G CALM request	Path H CALM request
4F	EADP::PBSY							
	Path A busy	Path B busy	Path C busy	Path D busy	Path E busy	Path F busy	Path G busy	Path H busy

Byte27=89 (Host Adaptor CHK2) Byte40-7F Detail

(1) Subcode (byte28) = 01/02 & Module ID (byte32)=58/59

(2/4)

	0	1	2	3	4	5	6	7
50	EADP::LSTA							
	LCM busy	LCP stop	LCP ADRCMP match	LCM TRACerror stop	ADP-LCM error (LCM detect)	WCHK1 (LCM detect)	LCM path disable	Parallel channel
51	RCHA::XFC0							
	Enable transfer	Execute transfer	(RSV)	(RSV)	CBP mode	Inhibit CBF pointer increment	CACHE I/O register access	SSD mode/ DKC200 mode
52	RCHA::XFC0							
	Data path				(RSV)	F bus width		
						0:8byte 1:4byte	BSA0 enable	BSA1 enable
53	RCHA::PCMD1							
	0	1	Command bits $2^{21} \sim 2^{16}$					
			P-LRC	SP ACS	DIA ACS	TFRCNT		
54	RCHA::PCMD1							
	Command bits $2^{15} \sim 2^{10}$						0	1
	TFRCNT							
55	RCHA::PCMD2							
	1	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	0: Normal WR 1: Normal RD	2: Cache to cache 4: Double write		
56	RCHA::CKDDL							
	CKD data transfer byte count							
57	RCHA::CKDDL							
	CKD data transfer byte count							
58	RCHA::FBADL							
	FBA data transfer byte count							
59	RCHA::FBADL							
	FBA data transfer byte count							
5A	RCHA::SOP							
	Subblock offset pointer							
5B	RCHA::SOP							
	Subblock offset pointer							
5C	RCHA::BOP							
	Block offset pointer							
5D	RCHA::BOP							
	Block offset pointer							
5E	RCHA::POP							
	Packet offset pointer							
5F	RCHA::POP							
	Packet offset pointer							

Byte27=89 (Host Adaptor CHK2) Byte40-7F Detail

(1) Subcode (byte28) = 01/02 & Module ID (byte32)=58/59

(3/4)

	0	1	2	3	4	5	6	7
60	RCHA::SGOP							
	Segment offset pointer							
61	RCHA::SGOP							
	Segment offset pointer							
62	RCHA::MCSA00							
	Cache start address							
63	RCHA::MCSA00							
	Cache start address							
64	RCHA::SCSA00							
	Cache start address (for double write)							
65	RCHA::SCSA00							
	Cache start address (for double write)							
66	RCHA::MESQA							
	M/E SEQ-A sequence #							
67	RCHA::CXRSQA							
	CHL XFR SEQ-A sequence #							
68	RCHA::CHRSQA							
	CHR SEQ-A sequence #							
69	RCHA::CBIRSQA							
	CBIR SEQ-A sequence #							
6A	RCHA::CBXSQA							
	CBX SEQ-A sequence #							
6B	RCHA::CBORSQA							
	CBOR SEQ-A sequence #							
6C	RCHA::RDPKSQA							
	R packet SEQ-A							
6D	RCHA::SCHSQA							
	SCH SEQ-A sequence #							
6E	BSA0::FBREQ							
	FBUSREQ monitoring							
6F	BSA0::FBREQ							
	FBUSREQ monitoring							

Byte27=89 (Host Adaptor CHK2) Byte40-7F Detail

(1) Subcode (byte28) = 01/02 & Module ID (byte32)=58/59

(4/4)

	0	1	2	3	4	5	6	7
70	BSA1::FBREQ							
	FBUSREQ monitoring							
71	BSA1::FBREQ							
	FBUSREQ monitoring							
72	BSA0::STATUS1							
	RD transfer execute in cache	WR transfer execute in cache	Arbiter master enable	Requester master enable	F bus (H) valid	F bus (L) valid	Transaction mode	F bus open set
73	BSA0::MONITOR1							
	Side A write (upper)	Side A read (upper)	F bus side A transfer	A-DBF F bus transfer	B-DBF F bus transfer	Not used	Not used	Not used
74	BSA0::MONITOR1							
	Command ID code of side A			Command ID code of side B			Abort process complete	Not used
75	BSA0::MONITOR2							
	PLRC ADD bit side A	F bus bus mode of side A			F bus transfer mode of side A			
76	BSA0::MONITOR2							
	PLRC ADD bit side B	F bus bus mode of side B			F bus transfer mode of side B			
77	BSA0::COPY							
	Slave busy signal	Cache read Transfer end	Cache write Transfer end	Arbiter master in self F bus	Arbiter master	Not used	Not used	Not used
78	BSA0::GRANT							
	GRANT No.0 monitor	GRANT No.1 monitor	GRANT No.2 monitor	GRANT No.3 monitor	Not used	Not used	Not used	Not used
79	BSA1::STATUS1							
	Cache read transfer execute	Cache write transfer execute	Arbiter master enable	Requester master enable	F bus H valid signal	F bus L valid signal	Transaction mode	F bus open setting
7A	BSA1::MONITOR1							
	Side A write (upper)	Side A read (upper)	F bus data transfer side A	A-DBF F bus transfer	B-DBF F bus transfer	Not used	Not used	Not used
7B	BSA1::MONITOR1							
	Command ID code of side A			Command ID code of side B			Abort process complete	Not used
7C	BSA1::MONITOR2							
	PLRC ADD bit side A	F bus bus mode of side A			F bus transfer mode of side A			
7D	BSA1::MONITOR2							
	PLRC ADD bit side B	F bus bus mode of side B			F bus transfer mode of side B			
7E	BSA1::COPY							
	Slave busy signal	Cache read transfer end	Cache read transfer end	Arbiter master in self F bus	Arbiter master	Not used	Not used	Not used
7F	BSA1::GRANT							
	GRANT No.0 monitor	GRANT No.1 monitor	GRANT No.2 monitor	GRANT No.3 monitor	Not used	Not used	Not used	Not used

Byte27=89 (Host Adaptor CHK2) Byte40-7F Detail

(2) Subcode (byte28) = 01/02 & Module ID (byte32) = 58/59

(1/2)

	0	1	2	3	4	5	6	7
40	Causal Key code							
41	Causal Format/Message							
42	Causal Module ID							
43	Causal Routine ID							
44	Cause of error process (Note 1)							
45	Processor number							
46	LCP number							
47	Data transfer direction (Note 2)							
48	Monitoring time for end of transfer							
49								
4A								
4B								
4C	Time of error detection							
4D								
4E								
4F								
50	XFC0 register							
51								
52	XFS0 register							
53								
54	CS1 register							
55								
56	Not used							
57								
58	Command code							
59	Not used							
5A								
5B								
5C	MCI							
5D								
5E								
5F								
60	VDEV and slot number							
61								
62								
63								
64	Slot status							
65								
66								
67								
68	SN							
69								
6A								
6B								
6C	Block type (Note 3)							
6D	Side type (Note 4)							
6E	Record number							
6F	Key length							
70	Data length							
71	Orientation (Note 5)							
72	Subblock number for head of transfer							
73	Offset in subblock							
74	Not used							
75								
76								
77								
78								
79								
7A								
7B								
7C								
7D								
7E								
7F								

Byte27=89 (Host Adaptor CHK2) Byte40-7F Detail

(2) Subcode (byte28)=01/02 & Module ID (byte32) =58/59

(2/2)

(Note 1) Cause of error process

x'00' : CHK2 occurred
 x'01' : Time over occurred in CHA (200ms)
 x'02' : Time over occurred in ADP (50ms)

(Note 2) Data transfer direction

x'01' : From CHL to cache	x'05' : From CBUF to cache
x'02' : From cache to CHL	x'06' : From cache to CBUF
x'03' : From CHL to CBUF	x'07' : From cache to cache
x'04' : From CBUF to CHL	

(Note 3) Block type

x'00' : Data block
 x'01' : HA/R0 block
 x'02' : Bit map block

(Note 4) Side type

x'00' : Cache write side
 x'01' : NVS write side
 x'02' : Cache read side
 x'03' : NVS read side

(Note 5) Orientation

x'00' : Not established
 x'01' : Index marker
 x'02' : Home address
 x'03' : Head of count field
 x'04/84' : Count field
 x'05/85' : Key field
 x'06' : Data field
 x'07' : Head of home address
 x'08' : Head of index marker