Sitraffic C800/C900

1f

Error Handling Manual
A0012

Intelligent Traffic Systems

SIEMENS

Contents

1 General

This document describes the error codes for the Sitraffic C800V/C900 device. The format of the operating log messages has been coordinated with the existing format on the basis of the archives present in the TCC. All messages are internally generated as numerical codes (message code) to ensure language independence. These codes are not replaced with text until they arrive at the user interface (display unit / PC / display and command unit / TCC).
The text can comprise the placeholders defined below together with a field description. These will be replaced by the display unit or Sitraffic Service with the parameters transferred in the log message to produce a logical text.

Structure of the placeholders in the error texts:

1st character: @ Recognition symbol that follows a placeholder

2nd character: [1-9] Optional length for representation of the parameter

3rd character: [b, w, l, c, B, W, L, S, G, A] Selector for interpretation of the parameter

4th character: [1-22] Number of the parameter

The selector for interpretation determines the form in which the respective parameter transferred in the associated log message will be displayed.
The individual codes have the following meaning:

b : The parameter value will be interpreted and displayed as STINY.

w : The parameter value and the following value will be interpreted and displayed together as SSHORT.

l : The parameter value and the three following values will be interpreted and displayed together as SLONG.

c : The parameter value will be interpreted and displayed as ASCII.

B : The parameter value will be interpreted and displayed as UTINY.

W : The parameter value and the following value will be interpreted and displayed together as USHORT.

L : The parameter value and the three following values will be interpreted and displayed together as ULONG.

S : The parameter value will be replaced by the customer's designation for the respective signal group.

D : The parameter value will be replaced by the customer's designation for the respective detector.

A : The parameter value will be replaced by the corresponding ASCII text from the menu texts.

F : The parameter value will be replaced by the corresponding error text from the menu texts.

The optional length for the representation is only effective with numerical values. A shorter number will be expanded to the specified length using preceding zeros. If the number exceeds the specified length or if there is no length specified, the number will be represented in its required length.

The parameters will be interpreted as specified – there will be no plausibility checks. The length of the error text together with the parameters used should not exceed 40 characters, since the display unit and display and command unit can each display a maximum of 40 characters. Error messages exceeding 40 characters following expansion will be truncated in the display.

2 Equipment technology

2.1 Basic controller module

Message/display	*Remarks*	*Solution*
VCC (5V LRD) LED does not light up	LED defective, no voltage, overload, defective module, power failure	Test at the backplane terminal
Reset LED lights up	Reset pushbutton blocked, voltage below 4.6 V	Repeat the reset, check the voltage
Bus error LED lights up	Poor contact with the EEPROM, defective EEPROM	Replace the module
Watchdog LED lights up	Software error	Perform a reset or install a new software FLASH module

2.2 SICOMP R/M TCC

Message/display	*Remarks*	*Solution*
Answer incorrect (only with the signal plan supply (SV) system concept)	If the BEFA15 receives a number of successive feedback telegrams containing data backup errors in succession, it reports this fact to the computer. The message Answer incorrect has a number of meanings depending on the monitor's current status: a) as above, status telegrams with data backup error b) data backup error between BEFA and computer (logged at the printer "uebertr.FEHLER MESI-Block").	
Answer OK (only with the signal plan supply (SV) system concept)	Transmission functioning again	
GEMO-Rec-Fault FF02	Acknowledgement for a Btext missing	
GUIDE.FAULT (only with the signal plan supply (SV) system concept)	a) Feedback telegrams missing b) Data backup error between computer and BEFA	
GUIDE.OK	Feedback telegrams are reaching the BEFA again. The computer switches the intersection to the current plan and transmits the date, time and reference time.	

Message/display	*Remarks*	*Solution*
Unrequested text	The TCC receives a text from the intersection controller at a time when it is not expecting a text, either a text sent spontaneously (i.e. without being requested by the computer) or a text that arrived late.	
Unexpected text	A text other than that expected by the computer arrives at the computer.	
POWER OFF	A power failure signal will be generated and transmitted to BEFA15 if the power fails in the intersection controller. BEFA15 evaluates the signal and notifies the computer. The computer withdraws the ON command if a 'POWER OFF' occurs.	
POWER ON	The power failure in the intersection controller has been eliminated. When a 'POWER ON' occurs, the computer switches the intersections to the current plan and transmits the date, time and reference time (the latter only with the SV system concept) if the intersection is fault-free. If the OFF button is pressed, the controller will not be switched back on.	
Processor fault	Serious system error. After the message occurs, the contents of the output buffer block for the intersection remain unchanged. The computer transmits the date, time and reference time upon disappearance of the message.	
Signal monitoring fault	Message from the intersection controller. The following bits are set if a signal monitoring fault occurs: signal monitoring fault = 1, OFF button = 0, local operation = 0, controller ON = 0; pressing the OFF button while a signal monitoring fault is present: in this case the signal monitoring fault bit will be reset. The same applies to an OFF command from the control center. Caution: Exemptions to this response behavior exist in individual cities, i.e. a signal monitoring fault may not be reset here. The intersection will be blocked by the computer (i.e. it cannot be switched), but not switched off (with the signal plan supply (SV) system concept) or switched off (with the	

Message/display	*Remarks*	*Solution*
	centralized signal group control (SF) system concept).	
OFF button	Message from the intersection controller. The ON command will be withdrawn by the computer and the intersection block lifted.	
Fault 1 (only with the centralized signal group control (SF) system concept)	All faults in the *transmission system* result in the above mentioned logging and display in the current status.	
Fault 2 (only with the centralized signal group control (SF) system concept)	All faults in the *intersection controller* (with the exception of the signal monitoring fault) result in the above mentioned logging and display in the current status: controller fault (OFF button), processor fault, etc.	
Fault 3 (only with the centralized signal group control (SF) system concept)	Signal monitoring fault in the intersection controller. The intersection will be switched off and blocked by the computer (i.e. it cannot be switched).	
Fault 7 (only with the centralized signal group control (SF) system concept)	Power failure in the intersection controller if the intersection is ON (POWER OFF will be logged if the intersection is OFF).	

2.3 Display

Message/display	*Remarks*	*Solution*
Display empty		Check the contrast setting for the display; check the connection plug on the rear of the BABF module
Certain menus cannot		Password input in the 'Operating

Message/display	*Remarks*	*Solution*
be called		Level' menu
Public transport measures flawed		Check the public transport telegrams in the diagnostic menu
Incorrect time or date and/or scheduler not working		Check the time telegrams in the diagnostic menu as well as the operating log messages
Traffic actuation error		Check the status line to determine whether traffic actuation has been loaded for the partial intersections in question; check the detectors in the diagnostic menu
Central control not working		Check the control center interface in the diagnostic menu
System has switched off		Check the operating log messages

2.4 Standard error codes

No.	*Error code*	*Message/display*	*Remarks*
1	NETZAUS	Power Off, cause: @B1	1. Reset cause, see Section 2.4.1
2	NETZEIN	Return On, cause: @B1 Full Reset: @B2	1. Reset cause , see Section 2.4.1 2. Start mode, full reset (not equal to 0 = yes, 0 = no)
3	SPEICHERFEH-LER	Memory Error Addr: @L1	1. Memory address
4	WAUTFEHLER		Not used in connection with C800V/C900
5	ROTLEIN		Not used in connection with C800V/C900
6	ROTLAUS		Not used in connection with C800V/C900
7	AUSTASTE	Switch Off Button, op: @A1 PI:@B2 @B3 @B4 @B5	1. Operator (display unit / PC / display and command unit) 2. 2-5 Status of the partial intersections, see Section 2.4.16
8	SIGFEINDLICH	Conflict: @S1/@S2 B: @B3 S: @2B4 M:@B5	1. Entering signal group 2. Clearing signal group 3. Current operator of the controller

No.	*Error code*	*Message/display*	*Remarks*
			4. Current signal plan 5. Current valid intergreen time matrix
9	VERSORGUNG_EIN	Supply Start @B1 @7c2	1. Unit from which the intervention took place 2.-8. Name of the pertinent supply unit (not used in connection with C900)
10	VERSORGUNG_AUS	Supply End obj: @B1 @B2 @B3 @B4 @B5 @B6 @B7 @B8	1.-8. Modified objects (see supply objects, partial supply only) (not used in connection with C900)
11	AUS_OERTLICH	Switch Off Local, op: @A1 PI: @B2 @B3 @B4 @B5	1. Current operator, see Section 2.4.3 2. Status of 1st partial intersection, see Section 2.4.16 3. Status of 2nd partial intersection 4. Status of 3rd partial intersection 5. Status of 4th partial intersection
12	FEUEREIN	Emergency Mode On, Sipl: @2B1 Op: @A2	1. Emergency number (1-3 fire brigade, 4 and 5 rail system intervention) 2. Emergency operator, see section 2.4.3
13	HANDEIN	Manual Mode On, ID: @A1 Op: @A2 No: @2B3	1. Manual operating mode (cyclical/ acyclical) 2. Operator, see Section 2.4.3 3. Signal plan and/or stage number
14	FEUERAUS-HANDEIN	Emergency Off -> Manual On, ID: @A1 Op: @A2 No: @2B3	1. Manual operating mode 2. Operator, see Section 2.4.3 3. Signal plan and/or stage number
15	UMLAUFKON-TROLLE	Cycle Time Monitor! TX: @w1 Sipl: @2B3 User:@A4	1. TX of the last picture actuated (as a word in seconds) 2. Active signal plan 3. Current operator, see Section 2.4.3
16	DCF_FAIL	Radio Clock Error	(as of BBX V3.1, is replaced with TS FAILURE (no. 104))
17	DCF_OK	Radio clock OK ! Downtime: @W1	1. Failure duration in minutes (USHORT value)

No.	*Error code*	*Message/display*	*Remarks*
			(as of BBX V3.1, is replaced with TS FAILURE (no. 105))
18	HOCHWASSER_EIN		Not used in connection with C800V/C900
19	HOCHWASSER_AUS		Not used in connection with C800V/C900
20	ARCHIV_FEHLER	Archive @B1: @A2 Pos:@B3 @W4kB	1. Number of the file concerned See Section 2.4.18 2. Message ID 3. Position (see Section 2.4.17 4. Size of memory (opt.)
21	SISI_ALARM	Signal Monitor Fault TX: @B1 ID:@B2 PI: @B3 ID: @B4	1. TX 2. Origin identifier, see Section 2.4.7 3. Partial intersection 0=total, 1, 2, 3, 4 in accordance with partial intersection 4. Additional internal information indicating the type of fault
22	DET_FEHLER_EIN exp. As of BBX3.1)	Detector Fault ! No.: @2B1 (@D1) ID: @A2	1. Detector number (incl. customer identifier (as of BBX V3.1) 2. Error ID, see Section 2.4.2
23	DET_FEHLER_AUS (exp. As of BBX3.1)	Detector OK ! No.: @2B1 (@D1)	Detector number (incl. customer identifier (as of BBX V3.1)
24	MASMO_FEHLER	Reserved for M family	Not used in connection with C800V/C900
25	REFLI_FEHLER		Not used in connection with C800V/C900
26	ORTSPROG_EIN	Local Program LPR: @2B1 On PI: @B2 @B3 @B4 @B5	1. Signal plan number 2. Status of 1st partial intersection, see Section 2.4.15 3. Status of 2nd partial intersection 4. Status of 3rd partial intersection 5. Status of 4th partial intersection
27	FEUERAUS	Emerg. Mode Off LPR: @B1 On PI:@B3 @B4 @B5 @B6	1. Signal plan number 2.–5. Status of 1st-4th partial intersections, see Section 2.4.15
28	HANDAUS	Manual Mode Off LPR: @B1 On PI:@B3 @B4 @B5	1. Signal plan number 2.–5. Status of 1st-4th partial intersections, see Section

No.	*Error code*	*Message/display*	*Remarks*
		@B6	2.4.15
29	TABU_OVERFLOW	@B1 Event Log Entries overwritten	Number of overwritten texts
30	PL_MELDUNG	Currently not used	Not used in connection with C800V/C900
31	ZEIT_FEHLER	Time difference @L1 Sec. Source:@B5 @c6	1. Time difference in seconds (long) 2. Origin identifier for the new time, see Section 2.4.4 3. Sign for the difference (+/-)
32	AWP_FEHLER	User Program Error No: @B1	Error code, see Section 2.4.6
33	SPEZIAL1		Not used in connection with C800V/C900
34	SPEZIAL2		Not used in connection with C800V/C900
35	SPEZIAL3		Not used in connection with C800V/C900
36	ZENTRALE_AUS	Switch Off Central, ID: @B1 PI:@B3 @B4 @B5 @B6	1. Origin identifier, see Section 2.4.3 2. Unused 3.–6. Status of 1st-4th partial intersections, see Section 2.4.15
37	ZENTRALE_EIN	Central Program @2B3 On ID:@B1 PI: @B4 @B5 @B6 @B7	1. Origin identifier, see Section 2.4.3 2. Unused 3. Control center plan number 4.–7. Status of 1st-4th partial intersections, see Section 2.4.15
38	ORT_AUS_ZENTR_ EIN	Loc. Off Cen. Prg @2B3 On ID:@B1 PI: @B4 @B5 @B6 @B7	1. Origin identifier, see Section 2.4.3 2. Unused 3. Control center plan number 4.–7. Status of 1st-4th partial intersections, see Section 2.4.15
39	FEUER_AUS_ ZENTR_EIN	Emer Off Cen. Prg @2B3 On ID:@B1 PI:	1. Origin identifier, see Section 2.4.3

No.	*Error code*	*Message/display*	*Remarks*
		@B4 @B5 @B6 @B7	2. Unused 3. Control center plan number 4.–7. Status of 1st-4th partial intersections, see Section 2.4.15
40	HAND_AUS_ ZENTR_EIN	Man. Off Cen. Prg @2B3 On ID:@B1 PI: @B4 @B5 @B6 @B7	1. Origin identifier, see Section 2.4.3 2. Unused 3. Control center plan number 4.–7. Status of 1st-4th partial intersections, see Section 2.4.15
41	MINGRUEN_ FEHLER1	MinGreen @S1 TX:@B2 CPR:@2B3. S:@B4 L:@B5 @B6 @B7	1. Signal group 2. TX 3. Signal plan number (control center plan) 4. Number of seconds by which the minimum red time has not been reached 5. Index of the minimum green list 6. Actual color (number from the color list) 7. Requested color (number from the color list)
42	MINGRUEN_ FEHLER2	MinGreen @S1 TX:@B2 LPR:@2B3. S:@B4 L:@B5 @B6 @B7	1. Signal group 2. TX 3. Signal plan number (local plan) 4. Number of seconds by which the minimum red time has not been reached 5. Index of the minimum green list 6. Actual color (number from the color list) 7. Requested color (number from the color list)
43	SPEZIAL4		Not used in connection with C800V/C900
44	MINROT_FEHLER1	MinRed @S1 TX:@B2 CPR:@2B3 S:@B4 L:@B5 @B6 @B7	1. Signal group 2. TX 3. Control center plan number 4. Number of seconds by which the minimum red time has not

No.	*Error code*	*Message/display*	*Remarks*
			been reached 5. Index of the minimum red list 6. Actual color (number from the color list) 7. Requested color (number from the color list)
45	MINROT_FEHLER2	MinRed SG:@S1 TX:@N2 LPR:@2B3 S:@B4 L:@B5 @B6 @B7	1. Signal group 2. TX 3. Signal plan number 4. Number of seconds by which the minimum red time has not been reached 5. Index of the minimum red list 6. Actual color (number from the color list) 7. Requested color (number from the color list)
46	ZZ_FEHLER1	IGT Error @S1 / @S2 TX:@B3 CPR:@B4 L:@B5	1. Signal group, clearing 2. Signal group, entering 3. TX 4. Control center plan number 5. Index of the intergreen time matrix
47	ZZ_FEHLER2	IGT Error @S1 / @S2 TX:@B3 LPR:@B4 L:@B5	1. Signal group, clearing 2. Signal group, entering 3. TX 4. Signal plan number 5. Index of the intergreen time matrix
48	SPEZIAL5		Not used in connection with C800V/C900
49	RED_DRIVERS		Not used in connection with C800V/C900
50	HOCHLAUF_ FEHLER	Boot Error! Task: @B1 ID: @B2	1. Task ID, error location 2. Error code
51	SPEZIAL6		Not used in connection with C800V/C900
52	SPEZIAL7		Not used in connection with C800V/C900
53	SPEZIAL8		Not used in connection with C800V/C900

No.	*Error code*	*Message/display*	*Remarks*
54	SPEZIAL9		Not used in connection with C800V/C900
55	SPEZIAL10		Not used in connection with C800V/C900
56	VSR_SY_OK		Not used in connection with C800V/C900
57	TS_KONTAKT_AUF	Cabinet Door Open ID: @B1	1. Which contact was triggered
58	TS_KONTAKT_ZU	Cabinet Door Closed ID: @B1	1. Which contact was triggered
59	MC_BEREIT		Not used in connection with C800V/C900
60	MC_AUS		Not used in connection with C800V/C900
61	VSR_SY_ABW		Not used in connection with C800V/C900
62	SPEZIAL11		Not used in connection with C800V/C900
63	SPEZIAL12		Not used in connection with C800V/C900
64	SOLL_IST_FEHLER	Req-Act. Err S1 S:@B2 I:@B3 @S4 S:@B5 I:@B6	1, 4: Signal group numbers 2, 5: Required value 3, 6: Actual value
65	UNTERSPANNUNG	Low Voltage detected	
66	UNTERSPANNUNG_ ENDE	Low Voltage removed	
67	SYSTEMFEHLER	System Error Task: @B1 ID:@F2 @b3 @b4 @b5 @b6 @b7	1. Task ID, see Section 2.5.2 2. ID, see Section 2.5.3 3.–7. Additional information
68	INIT_ERROR	Init Error Task:@B1 Pos:@B2 @b3 @b4 @b5 @b6 @b7	1. Task ID, see Section 2.5.2 2. Position within the initializer 3.-7. Additional information
69	SUPPLY_ERROR	Supply Error Task @B1 Obj:@ B2 Ind:@B 3 @b4 @b5	1. Task ID, see Section 2.5.2 2. Object ID, see Section 2.5 3. Instance of the object, if applicable 4.-5. Additional information
70	SYS_INFO	Sys-Info Task:@B1 ID:@F2 @b3 @b4 @b5 @b6 @b7 @b8	1. Task ID, see Section 2.5.2 2. ID, see Section 2.5.3 3.-8. Additional information

No.	*Error code*	*Message/display*	*Remarks*
71	SPEZIAL13		Not used in connection with C800V/C900
72	SPEZIAL14		Not used in connection with C800V/C900
73	AUSDUNKEL	All Dark	
74	TAE_FEHLER	AFD Error ! Pos:@B1 ID:@B2 @b3 @b4 @b5 @b6 @b7	1. Error class/position, see Section 2.4.8 2. Error ID, see section 2.4.9 3. AFD status, see Section 2.4.11 4. TAE status, see Section 2.4.12 5. AFD operating mode, see Section 2.4.10 6.-7. Additional information, if applicable
75	TAE_FEHLER_ BEHOBEN	AFD OK ! Pos:@bB1 ID:@B2 @b3 @b4 @b5	1. Error class/position, see Section 2.4.8 2. Error ID, see section 2.4.9 3. AFD status, see Section 2.4.11 4. TAE status, see Section 2.4.12 5. AFD operating mode, see Section 2.4.10
76	ALLES_ROT_ZUS	All Red @B1	1. On (=1) / off (=0)
77	MINROT_FEHLER3	SG in MinRed @S1 / @S2 S:@2B3 L:@B4	1. Controlling signal group 2. Dependent signal group 3. Current signal plan 4. Current valid offset matrix
78	VERSATZ_FEHLER1	Offset Error Start, @S1/ @S2 Pr:@2B3 L:@B4	1. Controlling signal group 2. Dependent signal group 3. Current signal plan 4. Current valid offset matrix
79	VERSATZ_FEHLER2	Offset Error End @S1/ @S2 Pr:@2B3 L:@B4	1. Controlling signal group 2. Dependent signal group 3. Current signal plan 4. Current valid offset matrix
80	PLAUSI_WECHSEL	Change to Plausi-Check @B1	New valid plausibility range
81	BUS_ERROR	Bus / Address Error PC: @L1 Addr: @L5	1. Program counter 2. Address
82	STOERAB-SCHALTUNG	Fault – Switch Off TX: @B1 ID: @B2 Pr: @B3 Task:@B4	1. TX 2. Cause of switch off, see Section 2.4.7 3. Signal plan number

No.	*Error code*	*Message/display*	*Remarks*
			4. Task ID, (see Section 2.5.2)
83	SW-AENDERUNG	Memory Intervention Q: @B1 D: @B2 ID: @B3	1. Source that initiates the intervention 2. Modified or saved data (see Section 2.4.13) 3. Operation ID,(see Section 2.4.14)
84	VA_ZUST_ AENDERUNG	Change TA State User:@B1 State: @B2	1. User initiating the status change, (see Section 2.4.3) 2. New TA state (see Section 2.4.15)
85	TL_FEHLER	TA Error No. @B1 @b2 @b3 @b4 @b5	(see Section 4.2) 1. Error number 2. -5.TA parameters
86	SPEZIAL15		Not used in connection with C800V/C900
87	SPEZIAL16		Not used in connection with C800V/C900
88	VA_MELDUNG	TA Runtime Message No.: @B1 @B2 @B3 @B4 @B5	See Section 4.4 (Not used in connection with C800V)
89	VA_FEHLER	Priority TA Error No.: @B1 @B2 @B3 @B4 @B5	See Section 4.3 Not used in connection with C800V
90	TL_MELDUNG	TL Message No.: @B1 @B2 @B3 @B4 @B5	Meaning depends on the customer (Not used in connection with C800V)
91	TL_PRIO_FEHLER	Priority TL-Error No.: @B1 @B2 @B3 @B4 @B5	Meaning depends on the customer (Not used in connection with C800V)
92	GDN_FEHLER	GDN-Info ID: @b1 @b2 @b3 @b4 @b5	1. Type of information 5. Additional parameters (dependent on type of information)
93	DIAG_INFO	Diag-Info Task:@2B1 ID:@B2 @B3 @B4 @B5 @B6 @B7	1. Task ID (see Section 2.5.2) 2. ID 3-8. Additional information
94	WARTUNG_EIN	Maintenance on Source:@A1	1. Source for maintenance step (see Sec.2.4.3)

No.	*Error code*	*Message/display*	*Remarks*
		Time:@B2	2. Timeoutzeit in minutes (only for PC prompt)
95	WARTUNG_AUS	Maintenance off Source:@A1	1. Source for maintenance step (see Sec. 2.4.3
96	VSG_START	Vsg start S:@B1 ID:@B2 @6c3	1. Source that initiated the step (see Sec. 2.5.4) 2. Type of input data (See Sec. 2.4.13) 3 -8. Name of logged in user entering data
97	VSG_ENDE	Vsg end old:@5W1 @B3.@B4 new:@5W5 @B7.@B8	1,2: old Fletcher CRC 3,4: old version 5,6: new Fletcher CRC 7,8: new version
98	External manufacturer Huber (Befa16 Leipzig)	System-Info (EM) ID:@b1 @b2@b3@b4 @b5	1. Type of information 2-5. Additional parameters (dependent on type of information)
99	VSP_FEHLER	VSP error no. @B1 @B2 @w3 @w5 @w7	1. VS-Plus internal error number 2. UTINY parameter (dependent on error number) 3.-7. Three optional SSHORT parameters (dep. on error number)
100	DYN_PAR_CHANGE (new as of BBX 3.0)	Net info no:@B1 ANr:@W2 P:@B4 @B5 @B6 @B7@B8	1. Message number 2. Order number 4. -8: Additional parameters -> must be interpreted based on the message numbers
101	DYN_PAR_FAILURE (new as of BBX 3.0)	Net warning no.@B1 A no:@W2 P:@B4 @B5 @B6 @B7@B8	1. Message number 2. Order number 4 -8: Additional parameters must be interpreted based on the message number
102	SY_ABWEICHUNG (new as of BBX 3.1)	Sync deviation: @b1 Sipl:@B2 Ref:@B3 TX:@B4 Verf:@B5	1. Deviation in sec. (0 => synchronous again, not equal 0 => Start of synchronization) 2. Current signal plan running 3Required TX as per reference time 4. Actual TX 5. Sync method (see Sec. 2.4.19)

No.	*Error code*	*Message/display*	*Remarks*
103	LS_LED_ROT	LED fault red @S1 G:@B2 K:@B3 @B4 @B5	1. Signal group concerned 2. Encoder concerned 3. Input of switch (1-4) 4. Status (OK, not OK) 5. Module number
104	TS_FAILURE (new as of BBX 3.1)	Time source @B1 failure, current source: @B2	1. Time source that was detected as faulty (see Sec. 2.4.5) 2. Time source currently valid (s. Sec. 2.4.5) *) in BBX V3.1 only the change of the active, prior time source is logged
105	TS_OK (new as of BBX 3.1)	Time source @B1 ok , Cur. source:@B2	1. Time source that was detected as ok (see Sec. 2.4.5) 2. Currently valid time source (s. Sec. 2.4.5) *) in BBX V3.1 only the change of the active, prior time source is logged
106			Reserved
107			Reserved
108			Reserved
109			Reserved
110			Reserved
111	LS_LED_GELB	LED failure yellow @S1 G:@B2 K:@B3 @B4 @B5	1. Signal group concerned 2. Encoder concerned 3. Input of switch (1-4) 4. Status (OK, not OK) 5. Module number
112	LS_LED_GRUEN	LED failure green @S1 G:@B2 K:@B3 @B4 @B5	1. Signal group concerned 2. Encoder concerned 3. Input of switch (1-4) 4. Status (OK, not OK) 5. Module number
113			Reserved

2.4.1 Causes of a reset

Error code	*Remarks*
1	Battery low
2	Internal CPU reset
4	System clock loss
8	Power failure interruption
16	Double bus fault
32	Software watchdog
64	Minimum permissible mains voltage fallen below
128	Reset switch pressed

2.4.2 Detector errors

Error code	*Remarks*
13	Detector plausibility: Maximum occupancy exceeded
14	Detector plausibility: Maximum gap exceeded
15	Hardware input reports an error

2.4.3 Operator codes and/or error types

Error code	*Remarks*
0	Traffic actuation
1	PC
2	BABF (display)
3	Control center
4	Master control clock (scheduler)
5	External operator
6	Remote PC
7	Signal monitoring
8	Intergreen time monitor
9	Conflict monitoring
10	Minimum green time monitor
11	Minimum red time monitor
12	Cycle time monitor
13	Permanent occupancy
14	Permanent gap
15	Detector
16	File full
17	Archive memory full
254	Internal fatal error
255	Initialization error
0	Specifically in the signal plan supply (SV) system: Fault switch off
1	Specifically in the signal plan supply (SV) system: Operator
2	Specifically in the signal plan supply (SV) system: Waut
3	Specifically in the signal plan supply (SV) system: Tass

2.4.4 Time sources for time telegrams (internal)

Error code	*Remarks*
1	Control center
2	Internally calculated time (derived from the system clock)
4	BABF
5	PC
12	DCF / GPS
13	Realtime clock (RTC)
20	Remote PC

2.4.5 Time sources for time telegrams (adjusted to OCIT standard)

Error code	*Remarks*
0	Internally calculated time (derived from the system clock)
1	Control center
2	Time server
3	DCF
4	GPS
5	PC (Operator)
6	Remote PC (Remote Operator)

2.4.6 Error codes for user program errors

Error code	*Remarks*
1	User program could not be loaded
2	User program did not report finished in the prescribed cycle
3	User program could not correctly initialize itself
4	User program terminating due to missing / incorrect dongle
5	User program terminated due to cycle violation

2.4.7 Codes for causes of a fault switch off

Error code	*Remarks*
0	Switch off due to a fault detected by the signal monitor
1	Switch off due to cycle time monitoring by BZ_TASK
2	Switch off due to cycle time monitoring by SA_TASK
3	Switch off due to violation of minimum green time by BZ_TASK
4	Switch off due to violation of minimum red time by BZ_TASK
5	Switch off due to violation of intergreen time by BZ_TASK
6	Switch off due to conflict by BZ_TASK
7	Switch off due to required/actual error by SA_TASK
8	Switch off due to offset error
10	Switch off due to dongle error
100	Switch off due to system error
101	Switch off due to cycle error
102	Switch off due to bus or address error
103	Switch off due to stack overflow

2.4.8 Error classes/positions for TAE errors

Error code	*Remarks*
0	General error in the task
1	Error during initialization of the task
2	Error during message evaluation for the task
3	Error during public transport radio telegram evaluation for the task
4	Error in a received message
5	Timeout error during public transport radio telegram evaluation for the task

2.4.9 Error types for TAE errors

Error code	*Remarks*
1	Supply data corrupt or not available
2	Initialization of communication failed
3	Initialization of AFD failed
4	Initialization of AFD failed
5	Initialization of AFD failed
6	Initialization of AFD failed (wrong operating mode)
7	Parity error with AFD telegram
8	Invalid telegram type received from AFD
9	Invalid RQ_TAE_SERVICE received
10	Operating mode changed
11	Radio receiver faulty
12	Invalid result from archive process
13	Invalid message received (unknown functionality)
14	Archive file of the TAE process full – job will be aborted
15	Invalid message length received from AFD
16	Invalid sub-telegram type received from AFD
17	Invalid main telegram type received from AFD
18	Error in return value with Kom-API function
19	Error initializing the serial AFD interface

2.4.10 AFD operating modes

Error code	*Remarks*
1	Nemo modulation technique for radio data transmission
2	Test mode: 20 telegrams/sec
3	Test mode: 1 telegram/sec
5	Nemo modulation technique for voice radio
41	FFSK modulation technique for radio data transmission
45	FFSK modulation technique for voice radio
49	DPSK modulation technique for radio data transmission
53	DPSK modulation technique for voice radio

2.4.11 AFD status

Error code	*Remarks*
Bit 2^0	Radio receiver noise missing
Bit 2^1	CRC error during radio reception
Bit 2^2	Incorrect operating mode parameterized
Bit 2^3	AFD no longer sending telegrams (timeout)
Bit 2^4	Currently not used
Bit 2^5	Currently not used
Bit 2^6	Currently not used
Bit 2^7	Currently not used

2.4.12 Status of the public transport task

Error code	*Remarks*
Bit 2^0	Specifies whether telegrams will be sent in principle
Bit 2^1	Specifies whether the engineering workstation is receiving telegrams
Bit 2^2	Specifies whether the display unit is receiving telegrams
Bit 2^3	Specifies whether an auxiliary recipient is receiving telegrams
Bit 2^4	Specifies whether an auxiliary recipient is receiving all telegrams (1) or telegrams with valid reporting points (0) only
Bit 2^5	Specifies whether an engineering workstation is receiving all telegrams (1) or telegrams with valid reporting points (0) only
Bit 2^6	Specifies whether a display unit is receiving all telegrams (1) or telegrams with valid reporting points (0) only
Bit 2^7	Specifies whether telegrams in the TAE_STAT format will be saved in the archive

2.4.13 Data types in the BBS flash

Error code	*Remarks*
1	System program (DA_PROG)
2	Basic supply (DA_SUPP)
3	User program (DA_AWPR)
4	Signal monitor supply (DA_SIPA)
5	User program parameter (DA_PARA)

2.4.14 Access modes

Error code	*Remarks*
0	Deletion of the data in the flash
1	External resupply directly to the flash
2	External resupply directly to the RAM
3	Backup operation RAM -> flash
4	Restore operation flash -> RAM
5	Reading out of supply data

2.4.15 User program states

Error code	*Remarks*
1	User program deactivated (AWP_DISABLED)
2	User program stopped (AWP_STOPPED)
3	User program started (AWP_STARTED)
4	User program started in reduced form (AWP_R_STARTED)
5	User program shortly to terminate (AWP_LAST_CALL)

2.4.16 Partial intersection states

Error code	*Remarks*
0	Partial intersection status All Dark
1	Partial intersection status Off – Normal
2	Partial intersection status Fault Reset
4	Partial intersection status Fault Switch Off
8	Partial intersection blocked in
16	Partial intersection status On
32	Partial intersection blocked out
255	Partial intersection does not exist

2.4.17 Archive positions in the memory

Error code	*Remarks*
0	RAM DISK (Directory/tmp/Archive)
1	SRAM (Directory/mnt/sram/Archive)
2	FLASH INT (Directory/opt/Archive)
3	FLASH EXT (Directory/mnt/xflash/Archive)

2.4.18 Archive IDs

Error code	*Remarks*
0	TABU (Standard daily log)
1	SISI (Sisi daily log)
2	SIZULI (accident memory)
3	BZ (daily log for change in operating state)
4	OPNV (OEV daily log)
5	ROTF (Red light driver)
6	AFD (ÖPNV red telegrams)
7	ZSSTAT (standard archive detector)
11	FREI1 (free archive 1)
12	FREI2 (free archive 2)
13	FREI3 (free archive 3)
14	FREI4 (free archive 4)
15	FREI5 (free archive 5)
16	FREI6 (free archive 6)

2.4.19 IDs of the various synchronization methods

Error code	*Remarks*
0	Repair in GSP
1	Reduce in GSP
2	Extend with stretch
3	Compress with stretch
4	Synchronize via SUMI
255	No synchronization

2.5 Error message constants

2.5.1 Supply objects

Object constant	*Value*	*Remarks*
VD_STAMMDATEN	1	Master data of the device
VD_ECKDATEN	2	Supplied key data (e.g. actual number of signal groups)
VD_PARAMETER	3	Device parameter
VD_ZZ_MATRIZEN	4	Intergreen time matrix
VD_VZ_MATRIX_BB	5	Offset time matrix begin - begin
VD_VZ_MATRIX_EE	6	Offset time matrix end - end
VD_MINDESTFREIGABELISTE	7	Minimum green time lists
VD_MINDESTSPERRLISTE	8	Minimum red time lists
VD_FARBKOMBINATIONEN	9	Possible color combinations for a signal head
VD_UEBERGANGS-SEQ_SF	10	Possible transition sequences for red -> green transition
VD_UEBERGANGSSEQ_FS	11	Possible transition sequences for green -> red transition
VD_UE_SEQ_MATRIX_SF	12	Possible transition sequences for red -> green for all signal groups
VD_UE_SEQ_MATRIX_FS	13	Possible transition sequences for green -> red for all signal groups
VD_FEUERWEHRPLAN	14	Fire brigade plans
VD_SIGNALPLAN	15	Signal plans
VD_EABILDER	16	On / off patterns
VD_EINSCHALTFOLGEN	17	Switch-on sequences
VD_AUSSCHALTFOLGEN	18	Switch-off sequences
VD_PHASEN	19	Stages
VD_PHASEN_MATRIX	20	Stage matrix (defines transitions for the individual stages)
VD_PHASENUEBERGANG	21	Stage transition description
VD_PHASENDATEN	22	General data for stage control
VD_SFERNDATEN	23	General data for signal group remote control (SF)
VD_SIG_BESCHREIBUNG	24	Signal group description
VD_DETEKTOR	25	Detectors

Object constant	*Valu e*	*Remarks*
VD_STANDARDKALENDE R	26	Standard calendar for prefilling a yearly calendar
VD_ARCHIV	27	Archive supply
VD_TAGESPLAN	28	Day plan
VD_JAHRESKALENDER	29	Yearly calendar
VD_TABUSTEUERUNG	30	Controller for the recipients of error messages
VD_SIPLONLINE	31	Supply for online visualization to the control center
VD_PERMISIV	32	Supply for permissive signals
VD_SENLI	33	Supply for pedestrian pushbuttons and confirmation lamps
VD_TPZUORDNUNG	34	General assignment of the day plans to days of the week
VD_TAE	35	Supply for the public transport functionality
VD_BEFA	36	Supply for the BEFA interface
VD_ZE_INIT	37	Supply for time reception (DCF / GPS)
VD_MODEM_INIT	38	Supply of the DFU task
VD_IO_INIT	39	General input/output supply
VD_DETUEBERWA-CHUNG	40	Supply of the detector monitoring rules
VD_ROTFAHRER	41	Supply for drivers breaking red lights
VD_MENUE_TEXTE	42	Supply of menu texts
VD_TABU_TEXTE	43	Supply of daily log texts
VD_LEITFADEN	44	Supply of the guidelines for signal monitoring
VD_VSG_COM	45	Supply for communication
VD_SOFTKEY	46	Supply of the release key
VD_AUSGANG	47	Supply of the output assignment
VD_SISI_TEXTE	48	Supply of signal monitor error texts
VD_SISI_KUNDEN_BEZ	49	Supply of the customer designations for the signal monitor
VD_BAZ	50	Supply for the display and command unit
VD_BADEHOSE	51	Supply for trunk signals
VD_GDN_BASIS	52	Supply of the basic data for Befa16 GDN
VS_GDN_NK_ADR	53	Supply of the adjoining intersections for Befa16 GDN
VD_GDN_UK	54	Supply for sub-intersections of Befa16 GDN

Object constant	*Value*	*Remarks*
VD_GDN_LK_ELK	55	Supply for master intersections of Befa16 GDN
VD_SONDER_IO	56	Supply for special inputs/outputs

2.5.2 Task codes

Task constant	*Value*	*Remark about task*
TT_TASK	0	Test task (only available in test mode)
KS_TASK	1	Communication task 'transmission direction'
MV_TASK	2	Measurement value processing
SA_TASK	3	Actuate signal monitor
SW_TASK	4	Generate signal request
BZ_TASK	5	Switch operating status
ZZ_TASK	6	Monitor interim time
AR_TASK	7	Archive task
SB_TASK	8	Generate signaling
ZS_TASK	9	Time-dependent switching
VD_TASK	10	Load and administer supply
LD_TASK	11	Load task for user programs (TA)
FA_TASK	12	Administer flash module
TD_TASK	13	Testing and diagnosis
MS_TASK	14	Transmit via modem
OV_TASK	15	Public transport reception and evaluation
BT_TASK	16	Control center interface – reception
SS_TASK	17	Transmit signal monitor messages
BS_TASK	18	Transmit operator panel
KM_TASK	19	Communication manager
BG_TASK	20	Befa16 GDN
TS_TASK	21	Transmit terminal
VA_TASK	22	Traffic-actuated user program
HP_TASK	23	Hand panel
ZE_TASK	24	Time reception
IS_TASK	25	Interrupt service

Task constant	*Valu e*	*Remark about task*
WA_TASK	26	Communication with Sitraffic Watch
DA_TASK	27	Actuation of the display output on the display and command unit
OS_TASK	28	Communication with PC attachment (OCIT) transmission direction
	29	
	30	
	31	
KR_TASK	32	Communication task 'reception direction'
MR_TASK	33	Modem interface task received
BR_TASK	34	Control center interface received
SR_TASK	35	Signal monitor messages received
BE_TASK	36	Receive operator panel
RO_TASK	37	Root task
OR_TASK	38	Communication with PC attachment (OCIT) reception direction

2.5.3 Error codes for SYSINFO errors

Constant	*Valu e*	*Remarks*
LOAD_ERR	1	Error loading the user program
ZYKLUS_ERR	2	User program did not report back in time
SA_SLOT_ERROR	3	Slot error in the SA task
FATAL_SYS_ERROR	4	Fatal system error
UEB_CALC_ERROR	5	Error during SUMI transition calculation 3rd Par: Output signal plan 4th. Par: Required signal plan
SISI_MSG_ERR	6	Signal monitor did not retrieve a telegram sent to it within 3 seconds
SB_SLOT_ERR	7	SA task got a new signal pattern for the wrong slot
BATTERY_LOW	8	VD task detected an empty or absent battery --> no SRAM buffering
PHASE _FEINDLICH	9	Required stage has supply conflict
FALSCHE_BEFA_ ADRESSE	10	Incorrect Befa12/15 address received. Further parameters: Required address (supplied address) and actual address (received address)
SYSTEMLAST	11	System load critical

Constant	*Value*	*Remarks*
INFO_SER_CONNECT	12	PC log-on
INFO_SER_DISCONNECT	13	Enforced PC log-off
COMM_ERROR	14	Communications error
SPEICHERN_IN_FLASH_ ERROR	15	Storage operation in flash failed
DUMP_VON_FLASH_ERR	16	Flash reading failed
PUT_SIPL_ERR	17	Error writing the signal plan
PUT_VSG_BEFA_ERR	18	Error writing the BEFA supply
VSR_ADERBRUCH_ BEGINN	19	Wire breakage detected
VSR_ADERBRUCH_ENDE	20	Wire breakage fixed
SYNC_REFLI	21	Synchronization initiated; P3/4 = deviation in 100 ms (as of BBX V3.1 will be replaced with the “SY_DEVIATION” message)
SOFTWARE_ FREISCHALTUNG	22	Software functionality not enabled; P3 = functionality
RTC_ERROR	23	Corrupt date read out from RTC; P3-P8 read date
WRITE_CODE_ERROR	24	Write protection violation in FAST-RAM
DET_ERROR	25	Detector error
NO_MSG_BUFFER	26	No message buffer received
MODEM_ERROR	27	Modem detected an error
RTC_FAIL	28	RTC not working
AUFTRAG_FEHLER	29	Corrupt job received
SIPL_ONLINE_ERROR	30	Error starting Sipl-Online. Cause in 3rd parameter: Message no. of the detector processor
STACK_ERROR	31	Stack overflow detected

2.5.4 Logical address codes

Constant	*Value*	*Remarks*
BBX	0	Complete control unit
ZENTRALE	1	Control center
BBS	2	BBX Basic control
BSE	3	Signal monitoring
ABF	4	Display
PC	5	Command and supply PC
ATU	6	Alarm transmission unit
WATCH	7	Sitraffic Watch
NK1	8	Adjoining intersection 1
NK2	9	Adjoining intersection 2
IIF	10	Intelligent interface
SYSBUS	11	System bus
ZE	12	Time reception
RTC	13	Realtime clock
ÂLL	14	
PCV	15	PC attachment module
OCIT	16	OCIT control center
SYSZUGANG	17	System access
BAZ	19	Display unit
REMOTE_PC	20	Modem unit
TAE	21	Public transport radio reception unit
VA	22	Traffic actuation

2.6 Signal monitor messages

2.6.1 System errors

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
0	00		NO_FAULT			0
1	01	Data Memory Error	RAM_FAULT	Memory error		Default (fatal)
2	02	Program Memory Error	PROM_CHECKSUM_FAULT	Error in program range		Default (fatal)
3	03	PHM/PLM incorrect data supply	CONFIG_NOT_COMPATIBLE	Configuration error		Default (fatal)
4	04	Checksum Error data supply	CONFIG_CHECKSUM_FAULT	Checksum error in configuration		Default (fatal)
5	05	Watchdog error	MESSAGE_TIMEOUT_FAULT	Watchdog error		280
6	06	Unknown message from Main Processor	UNKNOWN_MSG_FROM_MAIN_PROC	Unknown message code		Default (fatal)
7	07	Internal Software Error	INTERNAL_SOFTWARE_FAULT	Software error		Default (fatal)
8	08	PLM pSOS Error Type: xx Task: xx	SW_PSOS_ERR_SYS_PLUS	Software error in operating system call	Type: 1 = Error during receipt of an event 2 = Error during transmission of an event 3 = Error during release of a task 4 = Error during locking of a task, Task_ID: Identifies the task that caused the error	Default (fatal)

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
9	09	PLM data supply Error ID: xx	DATA_SUPPLY_ERR_PLUS	Supply error	Reason: 1 = No module found for specified signal group 2 = Module that was not supplied responds 3 = Time exceeded during module assignment	Default (fatal)
10	0A	PHM Lamp Switch Err	CARD_HW_FAULT	Lamp switch error		280
11	0B	LMP/FDP TelegrError Cab: xx Mod: xx; ID: xx	CARD_HW_FAULT_PLUS		Cable: Cable number 1-4 Mod: Module number 1-15 ID: 1 = Module relay dropped 2 = Transmission error (bit error) 3 = Response to a telegram missing	140
12	0C	LMP/FDP SensorError Cab: xx Mod: xx; Sen: xx	SENSE_TEST_FAULT_PLUS	Sensor error	Cable: Cable number 1-4 Mod: Module number 1-15 Sen: 0 = Error during current sensor check1 = Error during voltage check 2 = Error during current sensor check	140
13	0D	Not allowed Current	UNEXPECTED_RED_CURRENT_FAULT	Current evaluation error		280
14	0E	PLM Cable Error Cable:	CABLE_FAULT_PLUS	Cable error	Cable: Cable number 1-	120

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
		xx			4	
15	0F	Not supplied	Free			
16	10	Not supplied	Free			
17	11	Not supplied	Free			
18	12	PLM Current too high on Intersection	OVERLOAD_SWITCH_FAULT_PLUS	Switch-off of the overcurrent circuit breaker		Default (fatal)
19	13	PHM RedLamp duplic. Error	CORR_RED_DOUBL_FAULT	Check for red lamp duplication error		Default (fatal)
20	14	Req./Act. Comparison Error	CORR_FAULT_REQ_ACT	Error during required/actual comparison		280
21	15	Comparison error neg/pos Half-Wave	CORR_FAULT_NEG_POS	Voltage sensor error	In the PHM module	280
22	16	Conflict Error	CONFLICT_FAULT	Check for green lamp conflict		280
23	17	Green in OFF-State	ANY_GREEN_FAULT	Check that green lamp is off		280
24	18	RedLamp Error	LAST_RED_FAULT	Red lamp failure		280
25	19	Mains Frequency Err.	ZXO_MISSED_FAULT	ZXO error		255 (utiny)
26	1A	Not supplied	Free			Default
27	1B	PLM Comparison Error neg/pos Half-Wave	CORR_FAULT_NEG_POS_MOD_PLUS	Voltage sensor error		140
28	1C	PLM Req./Act. Comparison Error	CORR_FAULT_REQ_ACT_MOD_PLUS	Required/actual error at module level		140

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Deci mal	*Hexa deci mal*					
29	1D	PLM conversion Err.	CONVERT_FAULT_ PLUS	Conversion error between logical and physical image		Default (immediate)
30	1E	Switch OFF from Main Processor	SHUT_DOWN_MS G_FROM_ MAIN_PROC	Message from the main processor	Main processor on the BSE	Default (immediate)
31	1F	Not supplied	Free			Default
32	20	Ext.voltage at open relay	UNEXPECTED_REL AY_ON_ PLUS	Unexpected voltage at modules		Default (fatal)
33 to 60	21-3C	Not supplied	Free			Default

2.6.2 Secondary errors with BSE

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
61	3D	sec.Rd-Lp PI: xx SG: xx H: (head1) (head2) (head3) (head4)	RED_LAMP_ERR_SEC	Red lamp failure	sec.Gn-Lp: Secondary red lamp failure PI: Partial intersection 1-4 SG: Signal group number 1-32 H: Customer designation in ASCII (2 characters) of heads 1, 2, 3, 4	Default
62	3E	sec.Am-Lp PI: xx SG: xx H: (head1) (head2) (head3) (head4)	AMB_LAMP_ERR_SEC	Yellow lamp failure	sec.Gn-Lp: Secondary yellow lamp failure PI: Partial intersection 1-4 SG: Signal group number 1-32 H: Customer designation in ASCII (2 characters) of heads 1, 2, 3, 4	Default
63	3F	sec.Gn-Lp PI: xx SG: xx H: (head1) (head2) (head3) (head4)	GRE_LAMP_ERR_SEC	Green lamp failure	sec.Gn-Lp: Secondary green lamp failure PI: Partial intersection 1-4 SG: Signal group number 1-32 H: Customer designation in ASCII (2 characters) of heads 1, 2, 3, 4	Default
64	40	sec. Alarm Input DPR: xx Channel: xx	EXT_INP_ERR_SEC	Error at external inputs	sec. Alarm Input: Error at external inputs DPR: PHM/PLM module 1-2 Channel:	Default

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
					Channel number 1-40	
65	41	sec.Rd-Lp. Isum PI: xx SG: xx ID: xx; DPR: xx	RED_LAMP_ERR_SEC_SUM	Red lamp failure at residual current	sec.Rd-Lp. Isum: Secondary red lamp failure at residual current PI: Partial intersection 1-4 SG: Signal group number 1-32 ID: 1 = Current less than the load of a lamp; 2 = Current less than defined current threshold 3 = Lamp failure; 4 = Lamp short circuit; DPR: PHM module 1-2	Default
66	42	sec.Am-Lp. Isum PI: xx SG: xx ID: xx DPR: xx	AMB_LAMP_ERR_SEC_SUM	Yellow lamp failure at residual current	sec.Am-Lp. Isum: Secondary yellow lamp failure at residual current PI: Partial intersection 1-4 SG: Signal group number 1-32 ID: 1 = Current less than the load of a lamp; 2 = Current less than defined current threshold 3 = Lamp failure; 4 = Lamp short circuit; DPR: PHM module 1-2	Default

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
67	43	sec.Gn-Lp. Isum PI: xx SG: xx ID: xx DPR: xx	GRE_LAMP_ERR_SEC_SUM	Green lamp failure at residual current	sec.Gn-Lp. Isum: Secondary green lamp failure at residual current PI: Partial intersection 1-4 SG: Signal group number 1-32 ID: 1 = Current less than the load of a lamp; 2 = Current less than defined current threshold 3 = Lamp failure; 4 = Lamp short circuit; DPR: PHM module 1-2	Default
68 to 80	41-50	Not supplied	Free			Default

2.6.3 Primary errors with BSE

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
81	51	pri.Rd-Lp PI: xx SG: xx H: (head1) (head2) (head3) (head4)	RED_LAMP_ERR_PRI	Red lamp failure	pri.Gn-Lp: Primary red lamp failure PI: Partial intersection 1-4 SG: Signal group number 1-32 H: Customer designation in ASCII (2 characters) of heads 1, 2, 3, 4	100
82	52	pri.Am-Lp PI: xx SG: xx H: (head1) (head2) (head3) (head4)	AMB_LAMP_ERR_PRI	Yellow lamp failure	pri.Gn-Lp: Primary yellow lamp failure PI: Partial intersection 1-4 SG: Signal group number 1-32 H: Customer designation in ASCII (2 characters) of heads 1, 2, 3, 4	100
83	53	pri.Gn-Lp PI: xx SG: xx H: (head1) (head2) (head3) (head4)	GRE_LAMP_ERR_PRI	Green lamp failure	pri.Gn-Lp: Primary green lamp failure PI: Partial intersection 1-4 SG: Signal group number 1-32 H: Customer designation in ASCII (2 characters) of heads 1, 2, 3, 4	100
84	54	last Rd-Lp PI: xx SGc: xx # SGe: xx yy - zz	CONFLICT_LAST_RED_ERR	Check for last red lamp failure	last Rd-Lp: Check for last red lamp failure PI: Partial intersection 1-4 SGc: Signal group number 1-32 of the clearing signal group;	120

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
					SGe: Signal group number 1-32 of the entering signal group yy: Current color of the clearing signal group zz: Current color of the entering signal group	
85	55	ColorConflict PI: xx SG: xx # SG: xx a - b	COL_CFL_ERR	Color conflict	PI: Partial intersection 1-4 SG b1: Signal group number 1-32 of the first conflicting signal group SGb3: Signal group number 1-32 of the second conflicting signal group a: Symbol of the supplied current color in ASCII (1 character) of the first signal group b: Symbol of the supplied current color in ASCII (1 character) of the second signal group	100
86	56	Conflict in Logic List: xx	CFL_LOG_ERR	Conflict in logic	List: Number in the logic list that caused the error	100

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
87	57	Gn/Gn Confl. PI: xx SGc: xx # SGe: xx a - b	GREEN_CONFLICT_ERR_PRI	Green/green conflict	Gn/Gn Confl: Green/green conflict PI: Partial intersection 1-4 SGc: Signal group number 1-32 of the clearing signal group SGe: Signal group number 1-32 of the entering signal group a: Symbol of the supplied current color in ASCII (1 character) of the clearing signal group b: Symbol of the supplied current color in ASCII (1 character) of the entering signal group	100
88	58	IG-Conflict PI: xx SGc: xx # SGe: xx a - b	INTERGREEN_ERR_PRI	Intergreen time error	IG-Conflict: Intergreen time error PI: Partial intersection 1-4 SGc: Signal group number 1-32 of the first conflicting signal group SGe: Signal group number 1-32 of the second conflicting signal group a: Symbol of the supplied current color in ASCII (1 character) of the first signal group b: Symbol of the	100

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
					supplied current color in ASCII (1 character) of the second signal group	
89	59	Minimum Time PI: xx SG: xx a -> b Time: xxxx	MIN_TIMES_ERR	Minimum time error	PI: Partial intersection 1-4 SG: Signal group number 1-32 a: Symbol of the supplied current color in ASCII (1 character) of the signal group b: Symbol of the supplied requested color in ASCII (1 character) of the signal group Time: Remaining minimum time in ms	100
90	5A	ColorChange PI: xx SG: xx a -> b Time: xxxx	COLOR_CHANGE_ERR_PRI	Color change error	PI: Partial intersection 1-4 SG: Signal group number 1-32 a: Symbol of the supplied current color in ASCII (1 character) of the signal group b: Symbol of the supplied requested color in ASCII (1 character) of the signal group Time: Remaining minimum time in ms	100
91	5B	wrong Color PI: xx SG: xx	MULTI_COLOR_ER R_PRI	Wrong colors	PI: Partial intersection 1-4	100

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
		Log.Color: xx			SG: Signal group number 1-32 Log.Color: Dynamic signal status	
92	5C	dyn/sta target Seq. PI: xx SG: xx yy -> zz	DYN_STA_COLOR_MONITORING_ERR	Error during dynamic/static sequence comparison	dyn./stat. target Seq.: Error during dynamic/static sequence comparison PI: Partial intersection 1-4 SG: Signal group number 1-32 yy: Current dynamic color of the signal group zz: Supplied dynamic color of the signal group	100
93	5D	Flasher PI: xx SG: xx yy -> zz Timer: xx	FLASH_MONITORING_ERR	Flasher error	PI: Partial intersection 1-4 SG: Signal group number 1-32 yy: Supplied dynamic color of the flasher zz: Current dynamic color of the flasher: Timer: Current status of the flasher timer	100
94	5E	Not supplied	SW_FLASH_MONITORING_ERR_PRI			100
95	5F	Not supplied	REQ_FLU_STT_ERR			100
96	60	primary Alarm Input DPR: xx Channel: xx	EXT_INP_ERR_PRI	Error at external inputs	primary Alarm Input: Error at external inputs DPR: PHM/PLM module 1-2 Channel: Channel number 1-40	100

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
97	61	Overlap: PI: xx SGc: xx # SGe: xx a - b	TRA_OVL_ERR	Overlap error	Overlap: Overlap error PI: Partial intersection 1-4 SGc: Signal group number 1-32 of the clearing signal group SGe: Signal group number 1-32 of the entering signal group a: Symbol of the supplied current color in ASCII (1 character) of the clearing signal group b: Symbol of the supplied current color in ASCII (1 character) of the entering signal group	100
98	62	Interdependent PI: xx List: xx Cond1: xx Cond2: xx	DEP_CHK_ERR	Dependency error	Interdependent: Error with dependencies PI: Partial intersection 1-4 List: Number in the dependency list that caused the errors Cond1: Condition of the first signal (0 = dependency violated for beginning, 1 = for end); Cond2: Condition of the	100

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
					second signal (0 = dependency violated for beginning, 1 = for end)	
99	63	pri.Rd-Lp. Isum PI: xx SG: xx ID: xx DPR: xx	RED_LAMP_ERR_PRI_ SUM	Red lamp failure at residual current	pri.Rd-Lp. Isum: Red lamp failure at residual current PI: Partial intersection 1-4 SG: Signal group number 1-32 ID: 1 = Current less than the load of a lamp2 = Current less than def. current threshold 4 = Lamp short circuit DPR: PHM module 1-2	240
100	64	pri.Am-Lp. Isum PI: xx SG: xx ID: xx DPR: xx	AMB_LAMP_ERR_PRI_ SUM	Yellow lamp failure at residual current	pri.Am-Lp. Isum: Yellow lamp failure at residual current PI: Partial intersection 1-4 SG: Signal group number 1-32 ID: 1 = Current less than the load of a lamp2 = Current less than def. current threshold 4 = Lamp short circuit DPR: PHM module 1-2	240
101	65	pri.Gn-Lp. Isum PI: xx SG: xx ID: xx DPR: xx	GRE_LAMP_ERR_PRI_ SUM	Green lamp failure at residual current	pri.Gn-Lp. Isum: Green lamp failure at residual current PI: Partial intersection 1-4 SG: Signal group	240

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
					number 1-32 ID: 1 = Current less than the load of a lamp2 = Current less than def. current threshold 4 = Lamp short circuit DPR: PHM module 1-2	
102	66	Req/Act log Req: xx Act: xx	CORR_REQ_ACT_LOG_PRI_ERR	Error during required/actual comparison of logical/dynamic data	Req: Logical/dynamic data Act: Logical/dynamic data	100
103-130	67-82	Not supplied	Free			Default

2.6.4 Primary errors for all partial intersections with BSE

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
131	83	Communication Error to BBS	BBS_NO_COM_ERR	BBS not ready to communicate		160
132	84	Compare Err. BSE/BBS Controller Name	NAME_CMP_ERR	Wrong ID		100
133	85	Compare Err. BSE/BBS System CycleTime	SYS_CLK_CMP_ERR	Wrong system clock		100
134	86	System Cycle Time Error in BBS	SLOT_TIM_MONITORING_ ERR_PRI	Slot monitoring error		300
135	87	prohibited change of Mode	UNEXPECTED_BBS_STATE_ERR	Prohibited change in operating status		100
136	88	Mains voltage error	MAINS_VOLTAGE_ MONITORING_ERR	Mains voltage error		80
137	89	Mains frequency error	MAINS_FREQUENZ_ MONITORING_ERR	Mains frequency error		80
138	8A	Mains fluctuation error	MAINS_FLUCTUATION_ERR	Mains fluctuation error		80
139	8B	Mains Terminat. Err.	MAINS_INTERRUPTION_ERR	Mains interruption		80
140 to 180	8C-B4	Not supplied	Free			Default

2.6.5 System errors with BSE

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
181	B5	Req/Act PI: xx ID: xx DPR: xx R: xxxxxxxx A: xxxxxxxx	CORR_REQ_ACT_PHM_ERR	Error during required/actual comparison	Req/Act: Error during required/actual comparison in PHM/PLM PI:Partial intersection 1-4 ID: 1 = Required/actual comparison on red 2 = Required/actual comparison on yellow 3 = Required/actual comparison on green DPR: PHM/PLM module 1-2 R: Required status A: Actual status	200
182	B6	Not supplied	CORR_REQ_ACT_PLM_ERR			200
183	B7	Req/Act log Req: xx Act: xx	CORR_REQ_ACT_LOG_ERR	Error during required/actual comparison of logical/dynamic data	Req: Logical/dynamic data Act: Logical/dynamic data	200
184	B8	Rd-Volt-Sensor PI: xx ID: xx DPR: xx	CORR_NEG_POS_ERR	Voltage sensor error on red	Rd-Volt-Sensor: Voltage sensor error on red PI: Partial intersection 1-4 ID: 1 = Positive/negative comparison on red 2 = Positive/negative comparison on	200

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
					yellow 3 = Positive/negative comparison on green DPR: PHM/PLM module 1-2	
185	B9	wrong color PI: xx SG: xx ID: xx	MULTI_COLOR_ERR_SYS	Wrong colors	PI: Partial intersection 1-4 SG: Signal group number 1-32 ID: 1 = Normal operation 2 = Lamp assignment test	200
186	BA	Rd-Curr-Sensor Rd1: xx DPR1: xx Rd2: xx DPR2: xx	UNEXPECTED_RED_ CURRENT_ERR	Current evaluation error	Rd1: 1. First red current for corresponding lamp number DPR1: PHM/PLM module 1 Rd2: 2. Second red current for corresponding lamp number DPR2: PHM/PLM module 2	300
187	BB	A/D-Transformer Err.	ADC_MUX_ERR	Error while analog test reading channels		1000
188	BC	Sec. Monitoring Err. Zxo: xx ZxoRef: xx	SCD_TIM_MONITORING_ ERR	Second monitoring error	Zxo: Current ZXO counter ZxoRef: Current ZXO reference counter	500
189	BD	Reference time error	REF_TIM_MONITORING_ ERR	Reference time error		500
190	BE	wobbling PhaseDriver	ACT_FLU_STT_ERR	Wobbling phase driver		1200
191	BF	Not supplied	SET_TIM_MONITORING_ ERR	Error processing the time counter		500

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
192	C0	Flash Err. at work PI: xx SG: xx	SW_FLASH_MONITORING_ERR_SYS	Flash error at work	PI: Partial intersection 1-4 SG: Signal group number 1-32	520
193	C1	Relais Test Error DPR: xx Rel. No.: xx Status: xx	RELAIS_TEST_ERR	Error during relay test	PHM/PLM module 1-2 Rel. No.: Relay that triggered the error 2 = SSR RELAY, 3 = A RELAY, 4 = B RELAY, 10 = all RELAYS (Power on), 12 = DIM RELAY Status: Number of valid scans (2 of 3 = OK) of positive half-wave	100
194	C2	DPR not active DPR: xx Status: xx	DPR_NOT_READY_ERR	Dual Port RAM not active	DPR: PHM/PLM module 1-2 Status: 1 = STARTUP_MAINS_AVERAGING 2 = STARTUP_WAITING_FOR_GO 3 = STARTUP_FAST_CONFIG_CHECK 4 = SYSTEM_ACTIVE	200
195	C3	Rd Sensor Test Err.	RED_CURRENT_SHADOW_ERR	Error during red sensor test		10000
196	C4	Gn Sensor Test Err.	MVT_VOLTAGE_ERR	Error during green sensor test		5000
197	C5	Phase Error DPR: xx Color:	TRIAC_PHASE_ANGLE_ERR	Phase error	DPR: PHM/PLM module 1-2	200

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
		xx			Color: Incorrect color: 2 = yellow 3 = green	
198	C6	Threshold Test Red U Rd: xxxxxxxx	RED_GREEN_THRESHOLD_ ERR	Error during detection threshold test	Rd: Red lamp voltage sensor for 32 signal groups	5000
199	C7	Threshold Test Red impossible	RED_GREEN_TEST_FAIL_ ERR	Detection threshold test not possible		10000
200	C8	Error in evaluation UK LSC	MVT_UK_ERR	Error during evaluation		5000
201	C9	Error in the PHM/PLM module	DPR_BUS_MODUL_ERR	Error in the PHM/PLM module		160
202	CA	System Cycle Time Error in BSE	SLOT_TIM_MONITORING_ ERR_SYS	Slot monitoring error		160
203 to 235	CB-EB	Not supplied	Free			Default

2.6.6 Fatal system errors with BSE

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
236	EC	Firmware System Err.	SW_PSOS_ERR_SYS	Error message from operating system		Default (fatal)
237	ED	Software Error Status: xx	INTERNAL_SOFTWARE_ERR	Software error	Status: 1 = Unexpected signal monitor status 2 = Incorrect relay command 3 = Unexpected logical color 4 = Conflict monitoring: Invalid logical signal group status 5 = Overflow during required/actual comparison 6 = Unexpected monitor validation test status 7 = Initialization of the task failed 8 = Invalid message code for PHM 9 = Incorrect checksums in loaded supply 10 = Stack overflow in the tasks 11 = Memory error in the intergreen time work list 12 = Impermissible combination in the PT 4-point	Default (fatal)

Error numbers		*Displa y*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decim al	*Hexade cimal*					
					signal	
238	EE	Memo ry Err. Status: xx Chksu m: xxxx must: xxxx	MEMORY_ERR	Memory error	Status: 1 = Error in the data area 2 = Error in the program area Cksum: Actual checksum must: Required checksum	Default (fatal)
239	EF	Data Supply Error Status: xx	DATA_SUPPLY_ERR	Supply error	Status: 1 = Incorrect hardware supply 2 = Incorrectly supplied color 3 = Conflict monitoring: signal group could not be assigned to a partial intersection; 4 = Expected conflicts (logic); 5 = Dependencies; 6 = Incorrect intergreen time supplied; 7 = Incorrect color change supplied; 8 = Minimum time error; 9 = Time setting error; 10 = Invalid stage number; 11 = Current threshold is too large; 12 = Invalid system clock; 13 = Invalid PHM firmware version number; 14 = Invalid	Default (fatal)

Error numbers		*Display*	*Message*	*Meaning*	*Remarks*	*Limits (ms)*
Decimal	*Hexadecimal*					
					control supply version number; 15 = Invalid current sensor; 16 = Comparison of number of partial intersections during start-up that returned errors; 17 = Comparison of number of signal groups during start-up that returned errors; 18 = Comparison of number of checksums during start-up that returned errors; 19 = Invalid PLM firmware version number; 20 = Error loading SIPA; 21 = Plausibility error when supplying the PT 4-point signals	
240 to 255	F0-F7	Not supplied	Free			Default (fatal)

2.6.7 Emergency off

Error numbers		*Message*	*Meaning*	*Limits (ms)*
Decimal	*Hexadecimal*			
248	F8	MULTI_COLOR_ERR_EMY	Wrong colors	Default
249	F9	RELAIS_ERR	Lamp voltage switch-off error	Default
250-254	FA-FE	Free		Default

2.6.8 No faults

Error numbers		*Message*	*Meaning*	*Limits (ms)*
Decimal	*Hexadecimal*			
255	FF	No error		Default

3 MCCOMP

3.1 Fatal error:

Error message	*Meaning*
These error messages will be displayed in a dialog box by the compiler driver.	Further errors may occur as a result of a fatal error.
Could not create the file ...	The specified directory is invalid or you do not have access rights for it.
Error writing the option file for compilation ...	The data medium is full.
No configuration file for the compiler driver found	No system library for Sitraffic C800V/C900 has been integrated into the project.
Could not open the configuration file for the compiler driver ...	No system library for Sitraffic C800V/C900 has been integrated into the project.
Could not create the option file for compilation ...	The specified directory is invalid or you do not have access rights for it.

3.2 Compiler errors

Error message	*Meaning*
Execution failed: ...	The appearance of this error message during compilation means that the licensing (dongle protection) for the compiler/linker is not working correctly. Please refer to the manual for information on how to check the licensing.
Generate device file: Could not generate the file ...	The specified directory is invalid or you do not have access rights for it.
Generate device file: Could not open the file ...	The path specified during installation for Genload is not correct, the specified directory is invalid or you do not have access rights for the specified directory.
Generate device file: Could not close the file ... properly	The data medium is full.
Error reading the list file	
Error reading the map file	
Error writing the command file for the linker ...	The data medium is full.
Error writing the device file ...	The data medium is full.
Genload: Code file ... has not been created	The Genload program aborted as a result of an error; the Genload program was not found; this error message can mean that the command line used to call "Genload" is too long. Try to shorten the name and/or the path of the TL project. This will reduce the length of the command line also.
No assignment exists for section ...	
Could not create the command file for the linker ...	The specified directory is invalid or you do not have access rights for it.

Error message	*Meaning*
Could not execute: ...	The appearance of this error message during compilation means that the path to the compiler (mcc68k) or linker (lnk68k) specified during installation of MCCOMP is not correct. Please refer to the entry for this error message in the manual for information on how to check the path.
Could not open the list file ...	The path specified during installation for the C compiler, linker or Genload is not correct, the specified directory is invalid or you do not have access rights for the specified directory.
Could not open the map file ...	The specified directory is invalid or you do not have access rights for it.
Section information not found in map file	The directory specified during installation for the compiler or linker is invalid.

3.3 C compiler and linker

The error messages for the C compiler or linker can be found in the respective manuals.

4 TA error messages

- C800

  Summary from the description documents Control Kernel 6.05, PDM 6.05, SL 6.05, VSP 6.05, SDM 6.05 and SX 6.05. The error messages can be assigned five different codes for versions > 5.2.1.

- C900

  Summary consisting of the error messages from the Control Kernel 1.02, PDMe 1.02, S-Le 1.0 and VSPe 1.0. The documents of the control method no longer include a description of the error messages, but from now on they will only be included in this error manual.

- There are different codes (test) for the error messages.Code 85 (TA error) is the code used to report all TA error messages up to Version 5.2.1. The newly added codes are 88 (TA operating message), 89 (priority TA error), 90 (TL message) and 91 (priority TL error). The code 85 (VA error) is the code that was used up to version 5.2.1 to report all VA error messages. After that, codes 88 (VA operating message), 89 (prior VA error), 90 (TL message) and 91 (prior TL error) were added. The codes 85, 88 and 89 are not available to the TL user.The codes 90 and 91, on the other hand, are exclusively reserved for TL users. The various codes mean that it is now possible to determine which errors should be transmitted to the WATCH, for example, and which should not. During simulation, the 1st parameter in the error message is additionally evaluated for errors with the codes TA_MESSAGE and TL_MESSAGE. If the value of the parameter > 20, then the simulation will be terminated. If the value of the parameter <= 20, then the error will be written to the *.ERR file. The simulation will continue running.

  The different codes now make it possible to define which errors, for example, should be transmitted to WATCH and which ones should not. During the simulation, the first parameter of the error message will also be evaluated for errors with the code VA_MELDUNG and TL_MELDUNG. The parameter's value is > 20, the simulation is terminated. If the parameter's value is <=20, the error will only be written in the *.ERR file. The simulation will continue to run.

  The following error number ranges have been defined for the various components:

	Error numbers
1. Control kernel Basic utilities 1 (parameter supply	1 - 19
VT visualization	
Basic utilities	20 - 39

(library of the control kernel)	
2. Parameter check (as these error numbers apply to all components, only one error number will be assigned per library)	150 - 159
3. Control method Library of the control method and other error messages of the control method	160 - 179
4. VT libraries	40 - 149 180 - 249
5. TL errors	250 - 255

4.1 Overview of error numbers assigned to control methods

4.1.1 Control kernel

159	Error messages during transmission of parameters
1 – 15 20 – 27	Error messages during processing of library functions

4.1.2 PDM/PDMe

150	Error messages during transmission of parameters
160 – 162 170	Error messages during processing of PDM

4.1.3 SDM

150	Error messages during transmission of parameters
160 – 162 170	Error messages during processing of SDM

4.1.4 S-L/S-Le

151	Error messages during transmission of parameters
160 –162 170 179	Error messages during processing of S-L

4.1.5 S-X

151	Error messages during transmission of parameters
200	Error messages during processing of S-X

4.1.6 Motion components (M-X/M-Xe) in the controller

152	Error messages during transmission of parameters
210	Error messages during calculation of the stage frame plan
211	Error messages during calculation of the signal time plan

4.1.7 Master control

40	Error messages during processing of the master control

4.1.8 VSPLUS/VSPe

150	Error messages during transmission of parameters
160 - 170	Error messages during processing of VSPLUS

4.1.9 Norra

160 - 167 170	Error messages during processing of Norra

4.1.10 Component IDs

These IDs are only relevant if the „Component ID“ or the „Component Number“ is output for the errors (see the following Section).

001	Control kernel
002	TL user parameter
003	
011	VS-PLUS
012	PDM
013	OEV
014	SDM
015	NORRA
016	SPIRIT
017	FESA
018	STRIDE
030	OML
050	Master controller
051	S-X
052	S-L
053	M-X
060	MW-PLUS

4.1.11 Markers for internal operation of Sitraffic C900

X -> Current parameter function

- 1 = Load parameter file (complete transfer following request message)
- 2 = Load parameter file (complete transfer following warm start)
- 3 = Load parameter file (complete transfer following cold start)
- 4 = Load parameter file (partial transfer following request message)
- 5 = Write parameter file (complete transfer following request message)
- 6 = Write parameter file (partial transfer following request message)
- 9 = Parameter transfer canceled by operator (request message)
- 11 = Export checksums (request message)

Y, Z -> Internal operation markers

Y = 0, X = 01	Start parameter file loading (complete transfer following request message)	
Y = 0, X = 02	Start parameter file loading (complete transfer following warm start)	
Y = 0, X = 03	Start parameter file loading (complete transfer following cold start)	
Y = 0, X = 04	Start parameter file loading (partial transfer following request message)	
Y = 0, X = 05	Start parameter file writing (complete transfer following request message)	
Y = 0, X = 06	Start parameter file writing (partial transfer following request message)	
Y = 0, X = 09	Start cancellation of parameter transfer by operator (request message)	
Y = 0, X = 11	Start export of checksums (request message)	
Y = 0, X = 20	PARA_OUT_WRITE_HEADER	internal only
Y = 0, X = 21	PARA_OUT_WRITE_PARA	internal only
Y = 0, X = 22	PARA_OUT_WRITTEN	internal only
Y = 0, X = 30	TMP_PAR_INF_CREATE	internal only
Y = 0, X = 35	TMP_PAR_INF_CREATE_PRT	internal only
Y = 0, X = 36	FILE_FLAG_ANALYSE	internal only
Y = 0, X = 37	SET_NEW_SUPPLIED_IDENTIFIER	internal only
Y = 0, X = 40	TMP_PAR_INF_OK	internal only
Y = 0, X = 41	READ_PARA_FROM_FILE	internal only
Y = 0, X = 45	WRITE_NEW_WRK_FILE_PRT	internal only
Y = 0, X = 46	NEW_WRK_FILE_WRITTEN_PRT	internal only
Y = 0, X = 50	PARA_READ_FROM_FILE	internal only
Y = 0, X = 254	PARA_SET_POINTER	internal only

4.2 TA errors

VA errors that can only occur in Sitraffic C900 errors are highlighted in grey.

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
1				0		Error during component log-on	Control kernel	Component log-on
	1					Too many components		
		X				MSB – component number See: Component IDs		
			y			LSB – component number See: Component IDs		
1				0		Error during component log-on	Control kernel	Component log-on
	2					Component data not logical		
		X				MSB – component number		
						See: Component IDs		
			y			LSB – component number		
						See: Component IDs		
1				0		Error during component log-on	Control kernel	Component log-on
	3					Component using a log-on structure for log-on not yet supported by the kernel		
		X				MSB – component number		
						See: Component IDs		
			y			LSB – component number		
						See: Component IDs		
2				0		Message corrupt	Control kernel	Read out MSG queue or compile MSG
	1					Unknown version of the info header		
		X	x			Version of the received info header		
2		0	0	0		Message corrupt	Control kernel	Read out MSG queue or compile MSG
	2					No dynamic memory received (with extended MSG)		
2		0	0	0		Message corrupt	Control kernel	Read out MSG queue or compile MSG
	3					MSG block missing (with extended MSG)		
2		0	0	0		Message corrupt	Control kernel	Read out MSG

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
	4					Timeout during MSG transmission (with extended MSG)		queue or compile MSG
2	17					Unknown version of the info header	Control kernel	Read out MSG queue or compile MSG
3	2	x	0	0		Error during transmission of the parameter Cmp not found Number of the component See: Component IDs	Control kernel	Parameter transmission
3	2	X Y Z			0	Component not loaded ID of component See: Component IDs Main version of component Subversion of component	Control kernel	Parameter transmission C900
3	3	x	0	0		Error during transmission of the parameter Component does not have any function for parameter transmission Number of the component See: Component IDs	Control kernel	Parameter transmission
3	4	0	0	0		Error during transmission of the parameter Error No dynamic memory when transmitting parameters	Control kernel	Parameter transmission
3	5	X	Y	Z		No dynamic memory free Markers for internal operation	Control kernel	Parameter transmission C900
3	6	0	0	0	0	If the TA does not contain parameter objects	Control kernel	Parameter transmission C900
3	7	1 2 3 4	0	0	0	Parameter file va_all.sys va_wrk.sys va_all.sys und va_wrk.sys va_prt.sys could not be opened	Control kernel	Parameter transmission C900
3	10	0	0	0	0	Unknown data type in description string for VISSIM	Control kernel	Parameter transmission C900
3	11	0	0	0	0	Error in description string for VISSIM	Control kernel	Parameter transmission C900

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
3	12	0	0	0	0	Error in parameter dump line for VISSIM	Control kernel	Parameter transmission C900
3	13					Parameter corrupt	Control kernel	Parameter transmission C900
		X				ID of component See: Component IDs		
			Y			ID of object		
				Z		Instance number		
3	20	0	0	0	0	No parameter file	Control kernel	Parameter transmission C900
3	21	0	0	0	0	Info header not known	Control kernel	Parameter transmission C900
3	22	0	0	0	0	Info header not readable	Control kernel	Parameter transmission C900
3						Error during transmission of the parameter	Control kernel	Parameter transmission
	24					Parameter not complete		
		X				Number of the component See: Component IDs		
			y			MSB of the module number		
				z		LSB of the module number		
3	30			0	0	Component not loaded from parameter file	Control kernel	Parameter transmission C900
		1 2 3 4				Load parameters -> All during operation All following warm start All following cold start Partial during operation		
			Y			ID of component See: Component IDs		
3	31					Version of parameter object does not match transferred version	Control kernel	Parameter transmission C900
		X				ID of component See: Component IDs		
			0	Z	0	ID of object		
3	32					The version of the component specified in the parameter file does not match the loaded version of the component	Control kernel	Parameter transmission C900
		X				ID of component See: Component IDs		
			Y			Main version of component (in the parameter file)		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
				Z		Subversion of component (in the parameter file)		
3	35					The parameter information file cannot be opened	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	36					Error reading the parameter information file	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	37					New parameter information file could not be created	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	38					Error writing the new parameter information file	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	39					The parameter output file could not be created (parameter export)	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	40					Error writing the parameter output file (parameter export)	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	45					Error reading the parameter file	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	46					New parameter file could not be created (with partial transfer)	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	47					Error writing the new parameter file	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	48					Error writing the new parameter file (for partial transfer)	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	49					The current parameter file cannot be opened	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	60					Too many modules in one component (can only occur in development)	Control kernel	Parameter transmission
		X	Y	Z		Markers for internal operation		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
3	61					If there are too many modules in the parameter file (more modules than the logic should contain)	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	65					Not an error, just note Checksums in the parameter file were adjusted because the checksums received and calculated were not identical and the checksum was not calculated in the supply tool	Control kernel	Parameter transmission C900
		X				Number of parameter function		
3	66					Checksums not identical (received and calculated checksums)	Control kernel	Parameter transmission C900
		X				ID of component See: Component IDs		
			Y			ID of object		
				Z		Instance number		
3	70					The loaded parameter file (complete transfer) could not be closed	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	71					The WRK parameter file could not be closed	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	72					The parameter information file could not be closed	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	73					The loaded ALL parameter file could not be renamed to WRK parameter file	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	74					A new parameter information file could not be created.	Control kernel	Parameter transmission C900
		X	Y	Z		Markers for internal operation		
3	90		0	0	0	Unknown parameter function	Control kernel	Parameter transmission C900
		X				Number of parameter function		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
3	91	 X	0	0	0	Required parameter function not permitted at the moment Number of parameter function	Control kernel	Parameter transmission C900
3	99	 X	0	0	0	The thread for the parameter transmission could not be created Number of parameter function	Control kernel	Parameter transmission C900
3	 100	 X	 y	 z		Error during transmission of the parameter Module not in the component Number of the component See: Component IDs MSB – number of the module LSB – number of the module	Control kernel	Parameter transmission
3	100	 X	 Y	 Z		Module not found ID of component See: Component IDs ID of object Instance number	Control kernel	Parameter transmission C900
3	 101	 x	 Y	 z		Error during transmission of the parameter Module version incorrect Number of the component See: Component IDs MSB – number of the module LSB – number of the module	Control kernel	Parameter transmission
3	101					Supply table could not be constructed	Control kernel	Parameter transmission C900
3	 102	 x	 Y	 z		Error during transmission of the parameter Parameter record number incorrect Received record number MSB – number of the module LSB – number of the module	Control kernel	Parameter transmission
3	102				0	Parameter record number	Control kernel	Parameter

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
						incorrect		transmission C900
		X				ID of component		
						See: Component IDs		
			Y			ID of object		
				Z		Instance number		
3						Error during transmission of the parameter	Control kernel	Parameter transmission
	103					Parameter record number not supplied (when exporting the parameters)		
		x				Number of the component		
						See: Component IDs		
			Y			MSB of the module number		
				z		LSB of the module number		
3	103				0	Size of parameter instance not correct	Control kernel	Parameter transmission C900
		X				ID of component		
						See: Component IDs		
			Y			ID of object		
				Z		Instance number		
3	201	0	0	0		Abort MSG received, job cannot be aborted as it does not exist	Control kernel	Parameter transmission
5		0	0	0		Visualization error	Control kernel	Visualization
	0					Result > 512 bytes		
5		0	0	0		Visualization error	Control kernel	Visualization
	1					Visualization should be terminated, although not active		
5		0	0	0		Visualization error	Control kernel	Visualization
	2					Visualization job cannot be decoded (error in the job message)		
5		0	0	0		Visualization error	Control kernel	Visualization
	3					Visualization area is corrupt		
5			0	0		Visualization error	Control kernel	Visualization
	4					The specified length in the job message is incorrect		
		X				Number of the component		
						See: Component IDs		
5			0	0		Visualization error	Control kernel	Visualization
	5					Required component not		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
						loaded		
		X				Number of the required component		
5			0	0		Visualization error	Control kernel	Visualization
	5					The required value is not included in the loaded component.		C900
		A	b	c	d	ID of the required value		
5			0	0		Visualization error	Control kernel	Visualization
	6					No check function exists for the visualization		
						Number of the required component		
		X				See: Component IDs		
5			0	0		Visualization error	Control kernel	Visualization
	7					Required visualization data incorrect		
		X				Number of the required component		
						See: Component IDs		
5			0	0		Visualization error	Control kernel	Visualization C900
	7					Instance number incorrect		
		A	b	c	d	ID of the required value		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
5		0	0	0		Visualization error	Control kernel	Visualization
	8					Visualization cannot be started as no dynamic memory available		
5		0	0	0		Visualization error	Control kernel	Visualization
	9					File mode incorrect (only with visualization in the archive)		
5		0	0	0		Visualization error	Control kernel	Visualization
	10					File size incorrect (only with visualization in the archive)		
5		0	0	0		Visualization error	Control kernel	Visualization
	11					No job free (there are no more job numbers available		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
						internally)		
5	12	0	0	0		Visualization error Message to create the job file in the archive could not be transmitted	Control kernel	Visualization
5	13	0	0	0		Visualization error Job file in the archive could not be created	Control kernel	Visualization
5	14	0	0	0		Visualization error Message to write the job to the job file could not be transmitted	Control kernel	Visualization
5	15	0	0	0		Visualization error Job data could not be written to the job file in the archive	Control kernel	Visualization
5	16	0	0	0		Visualization error Message to close the job file could not be transmitted	Control kernel	Visualization
5	17	0	0	0		Visualization error Job file could not be closed after writing	Control kernel	Visualization
5	20	0	0	0		Visualization error Message to open the job file for reading in the event of an automatic restart could not be transmitted	Control kernel	Visualization
5	21	0	0	0		Visualization error Job file in the archive could not be opened for reading (in the event of an automatic restart)	Control kernel	Visualization
5	22	0	0	0		Visualization error Message to read the job data from the archive could not be transmitted	Control kernel	Visualization
5	23	0	0	0		Visualization error Job data from the archive could not be received	Control kernel	Visualization
5	24	0	0	0		Visualization error Job data received from the archive could not be decoded	Control kernel	Visualization
5	25	0	0	0		Visualization error Job file in the archive could not be closed after reading (in the event of an automatic	Control kernel	Visualization

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
						restart)		
5	30	0	0	0		Visualization error Message to open the result file in the archive could not be transmitted	Control kernel	Visualization
5	31	0	0	0		Visualization error Result file in the archive could not be created	Control kernel	Visualization
5	32	0	0	0		Visualization error Result message could not be transmitted	Control kernel	Visualization
5	33	0	0	0		Visualization error Archive not available when writing the results	Control kernel	Visualization
5	34	0	0	0		Visualization error Message to close the result file could not be transmitted	Control kernel	Visualization
5	35	0	0	0		Visualization error Result file could not be closed	Control kernel	Visualization
5	36	0	0	0		Visualization error Result file in the archive full	Control kernel	Visualization
5	40	x	0	0		Visualization error Timeout error Sequence marker for visualization X = 9 -> Waiting for acknowledgement for 'delete result file' = 11 -> Waiting for acknowledgement for 'open job file' (writing) = 12 -> Waiting for acknowledgement for 'open job file' (reading) = 16 -> Acknowledgement for 'write job data' = 19 -> Acknowledgement for 'read job data' = 23 -> Acknowledgement for 'close job file' (after writing) = 24 -> Acknowledgement for 'close job file' (after reading) = 29 -> Acknowledgement	Control kernel	Visualization

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
						for 'open result file' = 33 -> Acknowledgement for 'close result file'		
5	41	0	0	0		Visualization error Incorrect user program task (cannot actually exist)	Control kernel	Visualization
5	42	0	0	0		Visualization error Message to delete an (old) result file that may exist could not be transmitted	Control kernel	Visualization
5	98	0	0	0		Visualization time range elapsed (no error)	Control kernel	Visualization
5	99	0	0	0		Visualization switched off by user logic (no error)	Control kernel	Visualization
5	100	0	0	0		Visualization already active in the archive	Control kernel	Visualization
5		0	0	0		Visualization error	Control kernel	Visualization C900
5	254					Buffered memory not included (visualization cannot start automatically after network failure)		
6	1					No parameters supplied in the device	Control kernel	Parameter transmission from/to the flash
6	2					Flash session could not be opened		
		1				Flash session already open		
		4				No parameter file on the flash		
6	3					Too many jobs active	Control kernel	Parameter transmission from/to the flash
6	4					No dynamic memory free	Control kernel	Parameter transmission from/to the flash
6	7					Message could not be transmitted	Control kernel	Parameter transmission from/to the flash
6	8	x				Info header not known in flash	Control kernel	Parameter transmission from/to the flash
		x				Version number of the header		
6	10					Timeout has occurred during parameter transmission	Control kernel	Parameter transmission from/to

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
						from/to the flash		the flash
6	11					Start message to back up the parameters while a backup is running received	Control kernel	Parameter transmission from/to the flash
6	12			0		Error writing the data to the flash	Control kernel	Parameter transmission from/to the flash
		5				Data too large		
		7				Write operation to flash failed		
		8				Read operation from flash failed		
6	13					Attempt to close the flash session failed	Control kernel	Parameter transmission from/to the flash
6	20					Component not found in the TA	Control kernel	Parameter transmission from/to the flash
		x	x			Number of the component See: Component IDs		
6	21					Module not found in the TA	Control kernel	Parameter transmission from/to the flash
		x	x			Number of the module		
6	22					Module not found in the component	Control kernel	Parameter transmission from/to the flash
		x	x			Number of the component See: Component IDs		
				y,y		Number of the module (par 4 and 5)		
6	23					Version number of the module different in the TA and on the flash	Control kernel	Parameter transmission from/to the flash
		x				Version number in the flash		
			y			Version number in the TA		
6	24					Parameter instance incorrect	Control kernel	Parameter transmission from/to the flash
		x	x			Number of the component See: Component IDs		
				y,y		Number of the module (par 4 and 5) Instance module (par 6)		
6	25					Parameter incorrect (the parameter error will likewise be entered with the error number 150...)	Control kernel	Parameter transmission from/to the flash

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
		x				Number of the component See: Component IDs		
			y	y		Number of the module instance (par 5)		
6	30					Module not in the supplied table when reading the parameter from flash	Control kernel	Parameter transmission from/to the flash
		x	x			Number of the component See: Component IDs		
				y,y		Number of the module (par 4 and 5)		
6	91					Parameter instance too large	Control kernel	Parameter transmission from/to the flash
		x				Instance number		
6	111					Undefined error	Control kernel	Parameter transmission from/to the flash
7	1	0	0	0	0	Parameter transmission already active	Control kernel	General
7	2	0	0	0	0	No parameter transmission active	Control kernel	General
7	3	0	0	0	0	No dynamic memory free	Control kernel	General
7	4	0	0	0	0	The TA does not contain any parameter modules	Control kernel	General
7	5				0	Module not contained in the TA	Control kernel	General
		x	x			Number of the component See: Component IDs		
				y		Number of the module		
7	6			0	0	Component not contained in the TA	Control kernel	General
		x	x			Number of the component See: Component IDs		
7	7	0	0	0	0	Component number 0 not permissible in this case	Control kernel	General
7	8					Module not in the supply table	Control kernel	General
		x	x			Number of the component		
				y	y	Number of the module		
7	9			0	0	Component not in the supply table	Control kernel	General
		x	x			Number of the component See: Component IDs		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
7	10	0	0	0	0	Timeout occurred during transmission of the parameter	Control kernel	General
10	0	0	0	0		Incorrect dongle plugged in	Control kernel	Dongle check
11	1	0	0	0	0	Error reading out memory cells End message when output not active	Control kernel	Read out memory cells
11	8	0	0	0	0	Error reading out memory cells Output not possible as no memory could be allocated	Control kernel	Read out memory cells
11	50	x	0	0	0	Error reading out memory cells Unknown function number req. Required function number	Control kernel	Read out memory cells
11	60	x	0	0		Trace output Unknown function Number of the required function	Control kernel	Trace output C900
11	61	X	0 Y	0	0	Trace output Trace number not supported. Trace number (MSB) Trace number (LSB)	Control kernel	Trace output C900
12	x	x	x	0		Private vehicle plausibility waiting/blocking time exceeded - Parameter group - Signal group - Waiting/blocking time	Control kernel	Private vehicle/public transport plausibility
13	1 – 32	x	x	0		Public transport plausibility, reporting point comparison Public transport parameter group RP index with the greater number of rail systems RP index with the smaller number of rail systems	Control kernel	Private vehicle/public transport plausibility
13	253			0		Public transport plausibility, number of enforced log-offs	Control kernel	Private vehicle/public transport plausibility

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
						exceeded		
		x				Public transport parameter group		
			x			Number of enforced log-offs		
13	254	0	0	0		Public transport plausibility, public transport gap exceeded	Control kernel	Private vehicle/public transport plausibility
13			0	0		Public transport plausibility	Control kernel	Private vehicle/public transport plausibility
	255					Disrupted public transport reception		
		x				- Detector number, if supplied		
20				0		Function DET_LESEN_AL (DET_READ_AL)	Control kernel library	Detector function
	1					Corrupt transfer parameters		
		x				Detector number		
			x			Detector type		
20				0		Function DET_LADEN (DET_LOAD)	Control kernel library	Detector function
	2					Corrupt transfer parameters		
		x				Detector number		
			x			Detector type		
20				0		Function DET_LESEN_MDP (DET_READ_MDP)	Control kernel library	Detector function
	3					Corrupt transfer parameters		
		x				Detector number		
			x			Detector type		
20				0		Function DetFault	Control kernel library	Detector function C900
	4					Corrupt transfer parameters		
						Detector		
		x				Detector number		
21				0		Function SG_ZUSTAND_AL (SG_STATUS_AL)	Control kernel library	Signal group function
	1					Corrupt transfer parameters		
		x				Signal group number		
			x			Status		
21			0	0		Function MINFREI_AL (MINGREEN_AL)	Control kernel library	Signal group function
	2					Corrupt transfer parameters		
		x				Signal group number		
21			0	0		Function MINSPERR_AL (MINRED_AL)	Control kernel library	Signal group function
	3					Corrupt transfer parameters		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
		x				Signal group number		
21			0	0		Function UEB_SP_FR_AL (TRANS_RD_GN_AL)	Control kernel library	Signal group function
	4					Corrupt transfer parameters		
		x				Signal group number		
21			0	0		Function UEB_FR_SP_AL (TRANS_GN_RD_AL)	Control kernel library	Signal group function
	5					Corrupt transfer parameters		
		x				Signal group number		
21			0	0		Function SG_ERLAUBNIS (SG_PERMISSION)	Control kernel library	Signal group function
	6					Corrupt transfer parameters		
		x				Signal group number		
21				0		Function SG_BEEINFL_LESEN_AL (SG_INFL_READ_AL)	Control kernel library	Signal group function
	7					Corrupt transfer parameters		
		x				Signal group number		
			x			Color of the signal group		
21						Function SG_BEEINFL_SETZEN_AL (SG_INFL_SET_AL)	Control kernel library	Signal group function
	8					Corrupt transfer parameters		
		x				Signal group number		
			x			Interaction mode		
				x		Color of the signal group		
21	10					Function “SG_WANDLE_FARBE_IN_ZUSTAND “	Control kernel library	Signal group function
		1				Invalid color index		
		2				Invalid signal group number		
		3				Invalid color index and invalid signal group number		
			x			Transferred signal group number		
				y		Transferred color index		
22		0				Function PORT_SETZEN (PORT_SET)	Control kernel library	Port
	1					Corrupt transfer parameters		
			x			Port number		
				x		Action		
22		0		0		Function PORT_LESEN	Control kernel	Port

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
						(PORT_READ)	library	
	2					Corrupt transfer parameters		
			x			Port number		
23						Function ZWI_ZEIT_AL (IG_TIME_AL)	Control kernel library	Monitoring
	1					Corrupt transfer parameters		
		x				Signal group number, clearing		
			x			Signal group number, entering		
				x		Matrix number		
23	2			0		Simulation only: Intergreen time error occurred	Control kernel library	Monitoring
		x				Signal group number, clearing		
			x			Signal group number, entering		
23			0	0		Simulation only:	Control kernel library	Monitoring
	3					MINGN error occurred		
		x				Signal group number		
24				0		Function KOPFZEILE_LESEN (HEADER_READ)	Control kernel library	Other function
	1					Corrupt transfer parameters		
		x				Signal plan number		
			x			Required value		
24				0		Function ZAEHLER_BEEINFL (COUNTER_INFL)	Control kernel library	Other function
	2					Corrupt transfer parameters		
		x				Counter number		
			x			Interaction mode		
24			0	0		Function ZAEHLER_LESEN (COUNTER_READ)	Control kernel library	Other function
	3					Corrupt transfer parameters		
		x				Counter number		
24	4		0	0		Function FEHLERMELDUNG (ERROR_MESSAGE)	Control kernel library	Other function
		x				Error number outside of range; error number		
24	5	0	0	0		Function ANW_SCHREIBE_BAZ (US_WRITE_DCU) Error in format string	Control kernel library	Other function
25						Function OEV_WERTE_HOLEN (PT_VALUES_FETCH)	Control kernel library	Public transport function

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
							PDMe, S-Le	
	1					Corrupt transfer parameters		
		x				Signal group number		
			x			Parameter group		
				x		Following train number		
25				0		Function OEV_ABFO_LOESCHEN (PT_SEQ_DELETE)	Control kernel library	Public transport function
							PDMe, S-Le	
	2					Corrupt transfer parameters		
		x				Signal group number		
			x			Parameter group		
25				0		Function OEV_MODIFIKATION (PT_MODIFICATION)	Control kernel library	Public transport function
							PDMe, S-Le	
	3					Corrupt transfer parameters		
		x				Signal group number		
			x			Parameter group		
25				0		Function OEV_ZWANGSLOESCHUNG (PT_COMP_DELETION)	Control kernel library	Public transport function
	4					Corrupt transfer parameters		
		x				Signal group number		
			x			Parameter group		
26						Simulation only:	Control kernel library	Monitoring
	x					TA operation not possible		
		0				1. Reason: Parameter not fully supplied		
			0			2. TL parameter not supplied		
				0		3. Fixed time according to parameter		
27			0	Z		Error in archive Z	Control kernel library	Writing into free archives
	1					Archive is already being written into by another component		
		x				Number of the component writing into the archive		
						See: Component IDs		
27		0	0	Z		Error in archive Z	Control kernel library	Writing into free archives
	2					Not a valid archive number		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
27	3	0	0	Z		Error in archive Z No job number free in the system	Control kernel library	Writing into free archives
27	4	0	0	Z		Error in archive Z No dynamic memory free in the system	Control kernel library	Writing into free archives
27	5	1 2 3 4 10	0	Z		Error in archive Z Corrupt string transferred Evaluation format for binary file Header line 2 Header line 3 Header line 4 Data string	Control kernel library	Writing into free archives
27	6	0	0	Z		Error in archive Z Evaluation format for binary file missing (with binary archive)	Control kernel library	Writing into free archives
27	20	0	0	Z		Error in archive Z Message to open the configuration file could not be transmitted (system resources)	Control kernel library	Writing into free archives
27	21	0	0	Z		Error in archive Z Configuration file could not be written into	Control kernel library	Writing into free archives
27	22	0	0	Z		Error in archive Z Configuration file could not be closed	Control kernel library	Writing into free archives
27	23	0	0	Z		Error in archive Z Archive file could not be reset (not supplied in the basic supply ??)	Control kernel library	Writing into free archives
27				Z		Error in archive Z	Control kernel library	Writing into free archives

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
	30					Archive mode (ASCII or binary) not clearly defined		
		x				MSB of the required archive mode		
			y			LSB of the required archive mode		
27				Z		Error in archive Z	Control kernel library	Writing into free archives
	31					Transmission time of the data not (clearly) defined		
		x				MSB of the required transmission time		
			y			LSB of the required transmission time		
27				Z		Error in archive Z	Control kernel library	Writing into free archives
	32					Incorrect component number transferred (0 or >255)		
		x				MSB of the transferred component number		
			y			LSB of the transferred component number		
27				Z		Error in archive Z	Control kernel library	Writing into free archives
	34					Incorrect entry length with binary file transferred (0 or >2000) Transfer parameter: wAnzBytes		
		x				MSB of the transferred length		
			y			LSB of the transferred length		
27		0	0	Z		Error in archive Z	Control kernel library	Writing into free archives
	36					Archive cannot be written into (full?)		
27		0	0	Z		Error in archive Z	Control kernel library	Writing into free archives
	37					Data will not be saved as no configuration file was written		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
						for the archive		
27	38	0	0	Z		Error in archive Z Data could not be transmitted to the archive file (system resources)	Control kernel library	Writing into free archives
27	40	3 6 9, 10 13 16 19 22	0	Z		Error in archive Z Timeout waiting for response Open configuration file for reading Read configuration file Close configuration file after reading Open configuration file for writing Write configuration file Close configuration file after writing Reset response to archive file	Control kernel library	Writing into free archives
27	101	0	0	Y		Error in archive Y Archive does not exist	Control kernel library	Backup free archives C900
27	102	0	X	Y		Error in archive XY X=MSB Archive number Y=LSB Archive number No valid archive number	Control kernel library	Backup free archives C900
27	131	0	0	Y		Error in archive Y Last archive backup not yet completed	Control kernel library Control kernel library	Backup free archives C900 Backup free archives C900
27	136	0	0	Y		Error in archive Y Backup file could not be written	Control kernel library	Backup free archives C900
27	138	0	0	Y		Error in archive Y Backup message could not be sent (system resources)	Control kernel library	Backup free archives C900
40	1	x	0	0		Function SPL_AUSWAHL (SPL_SELECTION) Corrupt transfer parameters; signal	Control kernel library	Operator function

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
						plan number		
40	2	 x x				Function TEILKNOTEN_AUSSCHALTEN (PI_SWITCH_OFF) Corrupt transfer parameters Partial_intersection_number; status	Control kernel library	Operator function
40	3	 x	0	0		Function FO_AUSGEBEN (FO_OUTPUT) Corrupt transfer parameters; satellite number	Control kernel library	Operator function
40	4	 x	0	0		Function SY_VERSATZ_LESEN (SY_OFFSET_READ) Corrupt transfer parameters; satellite number	Control kernel library	Operator function
40	5	0	0	0	0	Supply error Command and satellite device simultaneously parameterized	Control kernel	Master control
150	1	0 1 2 3		0		Corrupt parameters in PDM object categorizations Incorrect number of partial intersections Incorrect categorization of switch-on stages First and/or last stage of the partial intersection(s) incorrect	PDM/S-Le	Parameter function C900
150	2	0	1	0		Corrupt parameter in PDM basic data	PDM/S-L	Parameter function
150	2	0 1 2 3		0		Corrupt parameters in PDM object categorizations SF channel assignment No structure bit defined No TA_active bit defined No structure bit and no TA_active bit defined	PDM/S-Le	Parameter function C900
150	8	 1; 2	0	0		Pointer to public transport parameter not loaded 1= VS_parameter 2 = RP parameter	VS-PLUS	Parameter function
150	8	 1;2 x x				Corrupt public transport parameter 1= VS parameter 2 = RP parameter Parameter record Public transport direction	VS-PLUS	Parameter function

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
150	10			0		Corrupt parameter in demand	PDM/ PDMe/ S-L/S-Le/SDM	Parameter function
		x				Request group		
			x			Parameter record		
150	20			0		Corrupt parameter in extension	PDM/ PDMe/ S-L/S-Le/SDM	Parameter function
		x				Extension group		
			x			Parameter record		
150	30		0	0		Pointer to public transport parameter not loaded	PDM/ S-L/ SDM	Parameter function
		1;2				1= VS parameter 2 = RP parameter		
150	30			0		Corrupt public transport parameter	PDMe/ SLe	Parameter function
		1				Object route parameter		
		2				Object time parameter		
			x			Parameter instance		
				y		Public group		
			1			Parameter pointer = ZERO		
			3			Ctrl. or VS number incorrect		
			4			Emergency log-in detector incorrect on pulse		
			5			Emergency log-in detector incorrect during assignment		
			6			Emergency log-in detector incorrect at gap		
			7			Function for emergency log-in incorrect		
			8			Number for TW time incorrect		
			9			MP number for parallel message incorrect		
			10			Function of last reporting point incorrect		
			11			Parameters set for positive and negative line route numbers		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
150				0		Corrupt parameter in stage transition 1-32	PDM/PDMe/S-L/S-Le	Parameter function
	41					32-64		
	42					65-96		
	43					97-128		
	44					129-160		
	45					161-192		
	46					193-224		
	47							
		x				Transition number		
			2			Mode: 2=Transition header		
151	3					Corrupt parameter in the stage parameter module	S-L/S-le	Parameter transmission
		1				Impermissible number for RequestLogicBlock		
			x			Parameter record number		
				y		Stage number		
					z	Priority of the required stage		
151	3					Corrupt parameter in the stage parameter module	S-L/S-Le	Parameter transmission
		2				Impermissible number for ExtensionLogicBlock		
			x			Parameter record number		
				y		Stage number		
					z	Priority of the required stage		
152	1				0	Corrupt parameter in the basic stage sequences module, same basic stage number used a number of times	M-X/M-Xe	Parameter transmission
		x				Corrupt basic stage number		
			x			Partial intersection		
				x		Parameter record		
152	2				0	Corrupt parameter in the basic stage sequences module, insertion stage has same number as basic stage	M-X/M-Xe	Parameter transmission
		x				Corrupt insertion stage		
			x			Partial intersection		
				x		Parameter record		
152	4				0	Corrupt parameter in the basic stage sequences module, alternative stage to insertion stage has same	M-X	Parameter transmission

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
						number as insertion stage		
		x				Corrupt alternative stage to insertion stage		
			x			Partial intersection		
				x		Parameter record		
152	5					Corrupt parameter in the basic stage sequences module, gaps between identical insertion stage numbers	M-X/M-Xe	Parameter transmission
		x				Corrupt insertion stage		
			x			Partial intersection		
				x		Parameter record		
152	6					Corrupt parameter in the basic stage sequences module, gaps between identical alternative stage numbers	M-X/M-Xe	Parameter transmission
		x				Corrupt alternative stage		
			x			Partial intersection		
				x		Parameter record		
152	7					Corrupt parameter in the basic stage sequences module, alternative stage has permanent permission	M-X/M-Xe	Parameter transmission
		x				Corrupt alternative stage		
			x			Partial intersection		
				x		Parameter record		
152	8					Corrupt parameter in the basic stage sequences module, gaps between identical alternative stages to the insertion stage	M-X/M-Xe	Parameter transmission
		x				Corrupt alternative stage to insertion stage		
			x			Partial intersection		
				x		Parameter record		
152	9					Corrupt parameter in the basic stage sequences module, alternative stage to insertion stage has permanent permission	M-X/M-Xe	Parameter transmission
		x				Corrupt alternative stage to insertion stage		
			x			Partial intersection		
				x		Parameter record		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
152	10					Corrupt parameter in the basic stage sequences module, alternative stage to insertion stage has same number as basic stage	M-X/M-Xe	Parameter transmission
		x				Corrupt alternative stage to insertion stage		
			x			Partial intersection		
				x		Parameter record		
152	11					Corrupt parameter in the basic stage sequences module, alternative stage to insertion stage has same number as alternative stage	M-X/M-Xe	Parameter transmission
		x				Corrupt alternative stage to insertion stage		
			x			Partial intersection		
				x		Parameter record		
159	254					Error in the public transport plausibility parameters	Control kernel	Parameters
		x				Public transport parameter group		
			x			Reporting point comparison		
				x		Comparative reporting point index		
159	255					Error in the private vehicle plausibility parameters	Control kernel	Parameters
						Reporting point comparison		
		x				Private vehicle parameter group		
			x			Detector number		
				x		Waiting/blocking time		
160			0	0		A display element should be switched on by means of an offset dt_max after locking	VS-PLUS	Parameter function
	x					Dependent display element		
		x				Controlling display element		
160	1		0	0		Function IV_EVA_DET (PV_EVA_DET)	PDM/PDMe/S-L/S-Le/SDM library	Private vehicle demand and evaluation function
		x				Corrupt transfer parameters; detector number		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
160	1	x	x	0		Function BEM_LOESCHEN (EVA_DELETE); corrupt transfer parameters Signal group Mode	NORRA library	Evaluation function
160	2	x	x	0		Function BEM_SETZEN (EVA_SET); corrupt transfer parameters Signal group Mode	NORRA library	Evaluation function
160	2	x	0	0		Function IV_BEM_SG_AL (PV_EVA_SG_AL) Corrupt transfer parameters; signal group number	PDM/PDMe/S-L/S-Le/SDM library	Private vehicle demand and evaluation function
160	3	x	0	0		Function IV_ANFO_DET_AL (PV_DEM_DET_AL) Corrupt transfer parameters; detector number	PDM/PDMe/S-L/S-Le/SDM library	Private vehicle demand and evaluation function
160	3	x	x	0		Function BEM_LESEN (EVA_READ); corrupt transfer parameters Signal group Mode	NORRA library	Evaluation function
160	4	x	0	0		Function IV_ANFO_SG_AL (PV_DEM_SG_AL) Corrupt transfer parameters; signal group number	PDM/PDMe/S-L/S-Le/SDM library	Private vehicle demand and evaluation function
160	5	X	Y	0	0	Function IV_ANFOGESAMTTK 'PV_DemOverallPI', partial intersection number outside range Partial intersection number (MSB) Partial intersection number (LSB)	PDM/PDMe/S-L/S-Le/SDM	
161	x	x				Fixed offset error in matrix (OTME) Mirror image matrix element has different absolute value or same sign Dependent display element Controlling display element	VS-PLUS	Parameter function

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
			x			Offset controlling -> dependent		
				x		Offset dependent -> controlling		
161	1	0	0	0		Function PHA_UEB_AL (STA_TRANS_AL); corrupt transfer parameters; no provision for required function	PDM/PDMe library	Stage function
161	1			0		Function ANFO_LESEN (DEM_READ); corrupt transfer parameters	NORRA library	Demand function
		x				Signal group		
			x			Mode		
161	2			0		Function ANFO_SETZEN (DEM_SET); corrupt transfer parameters	NORRA library	Demand function
		x				Signal group		
			x			Mode		
161				0		Function PHA_UEB_AL (STA_TRANS_AL)	PDM/PDMe library	Stage function
	2					Error STARTING		
		0				Transition already started		
			x			Transition number		
161				0		Function PHA_UEB_AL (STA_TRANS_AL)	PDM/PDMe library	Stage function
	2					Error STARTING		
		1				Transition number outside range		
			x			Transition number		
161				0		Function PHA_UEB_AL (STA_TRANS_AL)	PDM/PDMe library	Stage function
	2					Error STARTING		
		2				Par1 outside range		
			x			Par1		
161				0		Function PHA_UEB_AL (STA_TRANS_AL)	PDM/PDMe library	Stage function
	2					Error STARTING		
		6				Number of stage destinations exceeded		
			x			Transition number		
161	3			0		Function DEM_DELETE; corrupt transfer parameters	NORRA library	Demand function
		x				Signal group		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
			x			Mode		
161	3	1	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error ENDING Transition number or target stage outside range Transition number	PDM/PDMe library	Stage function
161	3	2	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error ENDING Par1 outside range Par1	PDM/PDMe library	Stage function
161	3	4	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error ENDING Transition or target stage not started Transition number or target stage	PDM/PDMe library	Stage function
161	4	0	0	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with ST_ERS; ST_ERS did not follow BE_ERS	PDM/PDMe library	Stage function
161	4	0	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with ST_ERS Transition already started Transition number	PDM /PDMelibrary	Stage function
161	4	1	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with ST_ERS Transition number outside range Transition number	PDM/PDMe library	Stage function
161	4	2	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with ST_ERS Par1 outside range Par1	PDM/PDMe library	Stage function
161	4	3		0		Function PHA_UEB_AL (STA_TRANS_AL) Error with ST_ERS Par2 outside range	PDM/PDMe library	Stage function

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
			x			Par2		
161	4	4	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with ST_ERS Transition or target stage not started Transition number or target stage	PDM/PDMe library	Stage function
161	4	5	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with ST_ERS Original target stage not finished Par2 (original target stage)	PDM/PDMe library	Stage function
161	5	0	0	0		Function PHA_UEB_AL (STA_TRANS_AL); error with BE_ERS; ST_ERS without BE_ERS	PDM/PDMe library	Stage function
161	5	1	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with BE_ERS Transition number outside range Transition number	PDM/PDMe library	Stage function
161	5	2	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with BE_ERS Par1 outside range Par1	PDM/PDMe library	Stage function
161	5	4	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with BE_ERS Transition or target stage not started Transition number or target stage	PDM/PDMe library	Stage function
161	5	5		0		Function PHA_UEB_AL (STA_TRANS_AL) Error with BE_ERS	PDM/PDMe library	Stage function

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
			x			Replacement of termination not possible with intergreen time transition; stage destination		
161	6	0	0	0		Function PHA_UEB_AL (STA_TRANS_AL); more than 12 stage demands in current flow	PDM/PDMe library	Stage function
161	7	x	0	0		Function AUTO_PHASE (AUTO_STAGE) Corrupt transfer parameters; switch	PDM/PDMe library	Stage function
161	8	0	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with SON_STARTEN (SON_START) Transition already started	PDM/PDMe library	Stage function
161	8	1	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with SON_STARTEN (SON_START) Transition number outside range; transition number	PDM/PDMe library	Stage function
161	8	2	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with SON_STARTEN (SON_START) Par 1 outside range	PDM/PDMe library	Stage function
161	8	6	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with SON_STARTEN (SON_START) Number of stage destinations exceeded	PDM/PDMe library	Stage function
161	9	1	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with ST_PHASE (ST_STAGE); stage destinations outside range Stage destinations	PDM/PDMe library	Stage function
161	9	2	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with ST_PHASE (ST_STAGE) Par 1 error	PDM/PDMe library	Stage function

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
161	9	4	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with ST_PHASE (ST_STAGE) No transition present	PDM/PDMe library	Stage function
161	9	5	0	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with ST_PHASE (ST_STAGE) Second stage destination with intergreen time transitions; stage destination	PDM/PDMe library	Stage function
161	9	6	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error with ST_PHASE (ST_STAGE) Number of stage destinations exceeded; stage destination	PDM/PDMe library	Stage function
161	9	7	x	0		Function PHA_UEB_AL (STA_TRANS_AL) Error message from sequence transition Stage destination	PDM/PDMe library	Stage function
162	x	x	x	x		Fixed offset error in matrix (OTME) Mirror image matrix element has different absolute value or same sign Dependent display element Controlling display element Offset controlling -> dependent Offset dependent -> controlling	VS-PLUS	Parameter function
162	1	x	0	0		Function SG_SEQUENZ_LESEN (SG_SEQUENCE_READ); corrupt transfer parameters Signal group	NORRA library	Signal group sequence
162	1	x	x	0		Function REAKTIONSZEIT (REACTION_TIME); corrupt transfer parameters Stage transition number Signal group number	PDM/PDMe library	Stage function
162	2	x				Function RAHMENPLAN (STAGE_FRAME_PLAN) Corrupt transfer parameters	PDM/PDMe /S-L/S-Le library	Stage function

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
			x			Stage number		
				x		Range type, counter type		
162	2					Function RAHMENPLAN (STAGE_FRAME_PLAN); corrupt transfer parameters	SDM library	Stage frame functions
		x				Signal group number		
			x			Range type		
				x		Counter type		
162	3			0		Function RAHMENZUSATZ (FRAME_AUX); corrupt transfer parameters	PDM/S-L library	Stage function
		x				Auxiliary frame number		
			x			Counter type		
162	3			0		Function RAHMENZUSATZ (FRAME_AUX); corrupt transfer parameters	SDM library	Stage frame functions
		x				Auxiliary frame number		
			x			Counter type		
162	4			0		Function AUS_UMPLAN_SCHREIBEN (OFF_CHANGE_PLAN_WRITE); corrupt transfer parameters	SDM library	Off-changeover plan
		x				Partial intersection number		
			x			Signal group number		
162	5			0		Function AUS_UMPLAN_ZEITEN_SCHREIBEN (OFF_CHANGE_PLAN_TIMES_WRITE); corrupt transfer parameters	SDM library	Off-changeover plan
		x				Partial intersection number		
			x			Variable		
				x		Value		
162	12		0	0		Function PHA_INFO_ERW (PHA_INFO (STA_INFO)_EXP); corrupt transfer parameters	PDM library	Stage function
		x				Partial intersection number		
162	13			0		Function PHA_UEB_SEK (STA_TRANS_SEC); corrupt transfer parameters	PDM/PDMe library	Stage function
		x				Stage transition number		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
			x			Partial intersection number		
162	14			0		Function PHA_INFO (STA_INFO); corrupt transfer parameters	PDM/PDMe/S-L/S-Le library	Stage function
		x				Active stage number		
			x			Required stage number		
162	16			0		Function PHA_RES_LESEN_AL (STA_RES_READ_AL); corrupt transfer parameters	PDM/PDMe library	Stage function
		x				Stage number		
			x			Counter type		
162	16			0		Function RESTZEIT_LESEN (REM_TIME_READ); corrupt transfer parameters	SDM library	SDM function
		x				Signal group number		
			x			Counter type		
162	17		0	0		Function MINFREI_ABG (MINGREEN_COOR)	PDM/PDMe/S-L/S-Le/SDM library	Signal group function
		x				Corrupt transfer parameters; signal group number		
162	18		0	0		Function ANW_FESTZ (ANW_FESTZEIT (US_FIXED_TIME))	PDM/PDMe/S-L/S-Le/VSPe library	Special function
		x				Switch corrupt transfer parameters		
162	19		0	0		Function TEILKR_BEEINFL (PART_JUNC_INFL)	PDM/PDMe library	Special function
		x				Corrupt transfer parameters; partial intersection number		
162	20					Function ANW_SIG_SETZEN (US_SIG_SET); corrupt transfer parameters	PDM/PDMe library	Special function
		x				Signal group		
			x			Status		
				x		Color		
162	21					Function AKT_PU (CURR_ST); corrupt transfer parameters	PDM/PDMe library	Stage function
		x				Number of the started stage destination		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
			x			Partial transition number		
				x		Partial intersection number		
162	24			0		Function RAHMEN_PARA_LESEN (FRAME_PARA_READ); corrupt transfer parameters	PDM/PDMe library	Stage function
		x				Stage number		
			x			Range type		
162	24			0		Function RAHMEN_PARA_LESEN (FRAME_PARA_READ); corrupt transfer parameters	SDM library	Stage function
		x				Signal group number		
			x			Range type		
162	29					Function PHA_UEB_PARA_LESEN (STA_TRANS_PARA_READ); corrupt transfer parameters	PDM/PDMe library	Stage function
		x				Transition number		
			x			Mode		
				x		Signal group number		
162	35				0	Function PHA_UEB_NR (STA_TRANS_NO)	PDM	
		1				Number of active stage outside range		
			X			Number of active stage		
				Y		Number of required stage		
162	35				0	Function PHA_UEB_NR (STA_TRANS_NO)	PDM/PDMe	
		2				Number of required stage outside range		
			X			Number of active stage		
				Y		Number of required stage		
162	36		0		0	Function PRUEFEMINSPERRNACHPHASE (CHECKMINREDAFTERSTAGE)	PDM/PDMe	
		1				Number of the required stage invalid (0 or greater than the number of the last stage)		
				Y		Number of required stage		
162	36		0		0	Function PRUEFEMINSPERRNACHPHASE (CHECKMINREDAFTERSTAGE)	PDM	
		2				Number of the partial		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
						intersection could not be determined		
				Y		Number of required stage		
162	36				0	Function PRUEFEMINSPERRNACHPHASE (CHECKMINREDAFTERSTAGE)	PDM/PDMe	
		3				No transition to the required stage parameterized		
			X			Number of active stage		
				Y		Number of required stage		
162	37				0	Function “PHA_BILD_LESEN” (READ STAGE IMAGE)	PDMe	
		1				Number of the required stage		
						Invalid (0 or greater than number of last stage)		
			X			Number of required stage		
				Y		Number of last stage		
163		0	0	0		An offset is to be selected that is not possible after intergreen times	VS-PLUS	Parameter function
	x					Number of the display element to be switched in accordance with offset conditions		
163	1		0	0		Function SG_TIMER_LESEN (SG_TIMER_READ); corrupt transfer parameters	NORRA library	Signal group sequence timer
		x				Signal group		
163	2					Function SG_TIMER_BEEINFL (SG_TIMER_INFL); corrupt transfer parameters	NORRA library	Signal group sequence timer
		x				Signal group		
			x			Function		
				x		Start value		
164			0	0		Two conflicting display elements have a green command	VS-PLUS	Parameter function
	x					First conflicting display element		
		x				Second conflicting display element		
164	1		0	0		Function BLOCK_LESEN (BLOCK_READ); corrupt transfer parameters	NORRA library	Block function

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
		x				Signal group		
164	2		0	0		Function BLOCK_NR_LESEN (BLOCK_NO_READ); corrupt transfer parameters	NORRA library	Block function
		x				Partial intersection		
165			0	0		Vicious circle error in matrix (OTME) Offset definitions are contradictory	VS-PLUS	Parameter function
	x					Controlling display element		
		x				Dependent display element		
165	1			0		Function ERLAUBT_IN_RAHMEN (PERMITTED_IN_FRAME); corrupt transfer parameters	NORRA library	Frame
		x				Signal group		
			x			Frame		
166			0	0		Vicious circle error in matrix (OTME) Offset definitions are contradictory	VS-PLUS	Parameter function
	x					Controlling display element		
		x				Dependent display element		
166	1			0		Function MITVERL_LESEN (CO-EXT_READ); corrupt transfer parameters	NORRA library	Co-extension and link start
		x				Signal group		
			x			Mode		
166	2			0		Function MITVERL_SETZEN (CO-EXT_SET); corrupt transfer parameters	NORRA library	Co-extension and link start
		x				Signal group		
			x			Mode		
166	3			0		Function MITVERL_LOESCHEN (CO-EXT_DELETE); corrupt transfer parameters	NORRA library	Co-extension and link start
		x				Signal group		
			x			Mode		
166	4			0		Function LINK_ANFANG_LESEN (LINK_START_READ); corrupt transfer parameters	NORRA library	Co-extension and link start
		x				Signal group		
			x			Mode		
166	5			0		Function LINK_ANFANG_SETZEN (LINK_START_SET); corrupt	NORRA library	Co-extension and link start

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
						transfer parameters		
		x				Signal group		
			x			Mode		
166	6			0		Function LINK_ANFANG_LOESCHEN (LINK_START_DELETE); corrupt transfer parameters	NORRA library	Co-extension and link start
		x				Signal group		
			x			Mode		
167	0	0	0	0		The max. number of traffic flow locks has been exceeded (max. locks=180)	VS-PLUS	Parameter function
167	1			0		Function BZW_SPERREN (OSC_LOCK); corrupt transfer parameters	NORRA library	Operating status change
		x				Mode		
			x			Para		
167	2			0		Function BZW_FREIGEBEN (OSC_RELEASE); corrupt transfer parameters	NORRA library	Operating status change
		x				Mode		
			x			Para		
168	0	0	0	0		The max. number of display element locks has been exceeded (max. locks = 180)	VS-PLUS	Parameter function
168	1					Function PARAM_LESEN (PARAM_READ); corrupt transfer parameters	NORRA library	Parameter function
		x				Parameter record		
			x			Index		
				x		Parameters		
169			0	0		The offset beginning is greater than permissible after dt_max of the lock	VS-PLUS	Parameter function
	x					First display element		
		x				Second display element		
169	1		0	0		Function ANZ_WIEDERANLAUF (NO_RESTART)S; corrupt transfer parameters	NORRA library	Other functions
		x				Partial intersection		
169	2		0	0		Function WIEDERANLAUF_RUECK (RESTART_BACK); corrupt transfer parameters	NORRA library	

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
		x				PI		
169	3	x	0	0		Function LAMPENFEHLER_LESEN (LAMP_ERROR_READ); corrupt transfer parameters Signal number	NORRA library	
169	4	x	0	0		Function NORRA_ZUSTAND (NORRA_STATUS); corrupt transfer parameters PI	NORRA library	
169	5	x	0	0		Function ANW_FESTZ (ANW_FESTZEIT (US_FIXED_TIME)); corrupt transfer parameters Switching	NORRA library	
170	x	x	x	x		BAS parameter, detectors for 2 public transport detectors assigned to the same VS, the same transition position has been assigned twice DET-ID1 VS_NR Position DET-ID2	VS-PLUS	Parameter function
170	1	x	0	0		Signal group status when changing from fixed time in traffic-actuated mode does not match the activation stage Signal group number	PDM/PDMe/S-L/S-Le	Parameter function
170	1	x	x	x		Monitoring function; max. waiting time for a signal group exceeded Signal plan number Signal group Partial intersection	NORRA	Monitoring
170	2	0	0	0		'Read lamp error' function; error reading the lamp error status	NORRA	Monitoring
170	3	1		0		'Read system data' error Error writing the data into the central plan	NORRA	Monitoring

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
			Spl			Signal plan number		
170	3	2	0			'Read supply data' error Error reading the supply data into the signal plan	NORRA	Monitoring
			Spl			Signal plan number		
178	1	1	0			Error in call-up arguments during operating mode change through VS-PLUS	VSPe	Evaluate stage change parameter
			X			Requested operating mode		
				x		Partial intersection number or signal plan number		
179	1	0	0	0		VSPe no yet initialized	VSP-e	
179	1	x	0	0	0	Unknown variable type Block number of the stage change parameter block	S-L/S-Le	Evaluate stage change parameter
179	2	x	0	0		Incorrect instance for detector with detector demand Block number of the stage change parameter block	S-L/S-Le	Evaluate stage change parameter
			y			Detector instance		
179	2	0		0		Error while checking parameters	VSPe, additional info VSP-error 13 (see VSP manual)	
			1			The build number of the supply is smaller or equal to the current number		
			2			The intersection numbers do not match		
			3			Signal groups are triggered that do not exist in the unit		
			4			Detectors are triggered that do not exist in the unit		
			5			The file could not be opened		
			6			No VCB file present		
			7			File version does not match VS Plus version		
			8			Error in the parameter file		
			9			Error in the data structure		
			10			Error in the parameter record		
			99			Global data structure does not exist		

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
179	3	x	y	0	0	Incorrect instance for signal group with signal group demand Block number of the stage change parameter block Signal group instance	S-L/S-Le	Evaluate stage change parameter
179	4	x	y	0	0	Component S-L: Incorrect instance for detector with detector evaluation/extension Block number of the stage change parameter block Detector instance	S-L	Evaluate stage change parameter
179	4					Error while opening the parameter file to read or check	VSPe	
		1				Unknown function		
		2				Parameter file could not be opened		
		3				File header could not be read		
		4				Component header could not be read		
			x			MSB of the requested function		
				y		LSB of the requested function		
179	5	x	y	0	0	Incorrect instance for signal group with signal group evaluation/extension Block number of the stage change parameter block Signal group instance	S-L/S-Le	Evaluate stage change parameter
179	5		0	0		Error while opening the wrk file to write	VSPe	
		2				Parameter file could not be opened		
		3				File header could not be written		
		4				Component header could not be written		
179	6	x	y	0	0	Incorrect instance for detector with tailback Block number of the stage change parameter block Detector instance	S-L/S-Le	Evaluate stage change parameter

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
179	6		0	0		Error while writing the wrk file	VSPe	
		2				Parameter file could not be opened		
		3				Parameters could not be written		
179	7	x y		0	0	Incorrect instance for signal group with public transport demand Block number of the stage change parameter block Signal group instance	S-L/S-Le	Evaluate stage change parameter
179	7		0	0		Error while closing the wrk file (after writing the file)	VSPe	
		3				File header could not be read		
		4				Component header could not be read		
		5				File header could not be written		
		6				Component header could not be written		
		10	x			Error at 'fseek'		
		11		y		Error at 'malloc'		
179	8	x y		0	0	Incorrect instance for parameter group with public transport demand Block number of the stage change parameter block Group instance	S-L/S-Le	Evaluate stage change parameter
179	8		0	0		Error while writing the inf file	VSPe	
		1				Wrk file could not be opened		
		3				File header could not be read		
		4				Component header could not be read		
		5				File header could not be written		
		6				Component header could not be written		
179	9	x y		0	0	Incorrect instance for TL variable Block number of the stage change parameter block TL variable instance	S-L/S-Le	Evaluate stage change parameter
179	9		0	0		Error during memory	VSPe	

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
						allocation		
		1				ID has already been issued		
		2				Too much memory allocated		
		3				Memory could not be allocated		
179	10			0	0	Impermissible comparative operator in the request or evaluation logic block public arrival time (ctrl or group) as a part of the request or extension)	S-Le	Evaluation of the configured SLe request or evaluation logic block
		X				Number of block		
			Y			Variable type		
179	10		0	0		Error while storing the memory address	VSPe	
		1				No memory was reserved under this "ID"		
179	11			0	0	Impermissible stage number in the request or evaluation logic block public arrival time (ctrl or group as a part of the request or extension)	S-Le	Evaluation of the configured SLe request or evaluation logic block
		X				Number of the block		
			Y	Z		Stage number (MSB, LSB)		
179	11		0	0		Error while releasing memory	VSPe	
		1				No memory was reserved under this "ID"		
210	1	0	0	0	0	Error reading the signal plan	M-X/M-Xe	Sequence error
210	2	1	0	0	0	Error in stage frame plan calculation: Basic stage sequence contains fewer than two stages	M-X/M-Xe	Sequence error
210	2	5		0	0	Error in stage frame plan calculation: Switching time from stage transition not found in signal plan	M-X/M-Xe	Sequence error
			x			Signal group number		
210	2	6			0	Error in stage frame plan calculation: transition number not in transition matrix	M-X/M-Xe	Sequence error
			x			Number of current stage		
				x		Number of following stage		
210	2	7		0	0	Error in stage frame plan calculation: No valid switch request found in the stage	M-X/M-Xe	Sequence error

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
						transition		
			x			Stage transition number		
210	2	8			0	Best-point-of-switching stage not in basic stage sequence	M-X/M-Xe	Sequence error
			x			Number of the BPS stage		
				x		Partial intersection		
211	1			0	0	Error in MOTION stage plan	M-X/M-Xe	Sequence error - OCIT
		x				1 = No MOTION plan 2 = Signal program number corrupt 3 = Error in header 4 = Synchronizing time corrupt 5 = Advance step corrupt		
			x			Corrupt value		
211	2			0	0	Error in signal plan calculation	M-X/M-Xe	Sequence error - OCIT
		1				OCIT basic stage sequence contains fewer than two stages		
			x			Partial intersection		
211	2				0	Error in signal plan calculation	M-X/M-Xe	Sequence error - OCIT
		2				Stage transition not supplied		
			x			Active stage		
				x		Required stage		
211	2			0	0	Error in signal plan calculation	M-X/M-Xe	Sequence error - OCIT
		3				More than 4 switch requests		
			x			Signal group number		
211	2			0	0	Error in signal plan calculation as of V 3.1	M-X / M-Xe	Sequence error - OCIT
		4				Missing color in stage definition		
			x			Signal group number		
211	3	0	0	0	0	M_X parameters not (fully) supplied		Sequence error - OCIT
211	3			0	0	M_X parameters not (fully) supplied	M-X ab V 6.8.5/ M-Xe ab V 1.0.2	

No.	*Par 1*	*Par 2*	*Par 3*	*Par 4*	*Par 5*	*Meaning*	*Components*	*Error type*
		1				Parameter object motzuord		
		20				Parameter object basic stage sequence		
		30				Parameter object OcitBasicStageSequence		
		40				Parameter object mot_phasen_para		
			x			Parameter structure number		
250-255	x	x	x	x		The parameters will be individually assigned values by the TL program	Control kernel	TL error number

4.3 Priority TA errors

No.	*Par1*	*Par2*	*Par3*	*Par4*	*Par5*	*Meaning*	*Components*	*Error type*
3	180		0	0	0	Blob files	Control kernel	
		1				BlobInf file could not be created		
		2				Too many entries in the BlobInf file		
		3				BlobInf file could not be opened		
		4				BlobInf file can not be written		
		5				Blob file not found in BlobInf file		
		6				No Blob function found for the Blob file		
151					0	S-X parameter error	S-X	Parameters
	3					Corrupt parameter in the 'SXSgParameter' module		
		1				Green times not ascending		
			X			Instance		
				Y		Group number		
151						S-X parameter error	S-X	Parameters
	4					Corrupt parameter in the 'SXPHASENPARAMETER' module		
		2				Invalid stage number		
			X			Instance		
				Y		Group number		
					Z	Number of the change condition		
151						S-X parameter error	S-X	Parameters
	4					Corrupt parameter in the 'SXPHASENPARAMETER' module		
		3				No demand block assigned		
			X			Instance		
				Y		Group number		
					Z	Number of the change condition		
151						S-X parameter error	S-X	Parameters
	5					Corrupt parameter in the 'SXOVPARAMETER (SXPTPARAMETER)' module		
		4				Invalid number for reporting signal group assigned		
			X			Instance		
				Y		Group number		

No.	Par1	Par2	Par3	Par4	Par5	Meaning	Components	Error type
151						S-X parameter error	S-X	Parameters
	6					Corrupt parameter in the 'SXParUebParameter' module		
		5				Main stage transition only or partial transition only assigned		
			X			Instance		
				Y		Group number		
175			0	0	0	Reading a VSP command file	VSPe	
	1					Error while opening the file		
		1				File already open		
		2				wrk file could not be opened		
		3				sys file could not be opened		
175			0	0	0	Reading a VSP command file	VSPe	
	2					Error while writing the file		
		1				File could not be opened		
200					0	Error calling the 'SX_SperrPhase' function	S-X	Other
	1							
		1				Stage number outside range		
			X			Stage number		
				Y		Block type		
200	1				0	Error calling the 'SX_SperrPhase' function	S-X	Other
		2				Unknown block type		
			X			Stage number		
				Y		Block type		
200	2					Error calling the 'SX_LoeschePhasensperre' function	S-X	Other
		1				Stage number outside range		
			X			Stage number		
				Y		Partial intersection number		
					Z	Block type		
200	2				0	Error calling the 'SX_LoeschePhasensperre' function	S-X	Other
		2				Unknown block type		
			X			Stage number		
				Y		Block type		
20	3		0	0	0	Error calling the 'SX_	S-X	Other

No.	Par1	Par2	Par3	Par4	Par5	Meaning	Components	Error type
0						SetzeSGZaehler' function		
		1				Partial intersection number = 0 and signal group number = 0		
200	3				0	Error calling the 'SX_ SetzeSGZaehler' function	S-X	Other
		2				Signal group number > supplied signal groups		
			X			Transferred signal group number		
				Y		Number of supplied signal groups		
200	3				0	Error calling the 'SX_ SetzeSGZaehler' function	S-X	Other
		3				Partial intersection number > number of partial intersections supplied in PDM		
			X			Transferred partial intersection number		
				Y		Number of partial intersections supplied in PDM		
200	3			0	0	Error calling the 'SX_ SetzeSGZaehler' function	S-X	Other
		4				Unknown code transferred		
			X			bCode		
200	4			0	0	Error calling the 'SX_CheckSG_Typ' function	S-X	Other
		1				Stage number outside range		
			X			Stage number		
200	5			0	0	Error calling the 'SX_CheckPhasenBem or SX_CheckStageExt' function	S-X	Other
		1				Stage number not permissible		
			X			Transferred stage number		
200	5			0	0	Error calling the 'SX_CheckPhasenBem or SX_CheckStageExt' function	S-X	Other
		2				Stage not parameterized		
			X			Transferred stage number		
200	6			0	0	Error calling the 'SX_ CheckZZt' function	S-X	Other
		1				Transferred stage number not permissible		
			X			Transferred stage number		

No.	Par1	Par2	Par3	Par4	Par5	Meaning	Components	Error type
200	6				0	Error calling the 'SX_ CheckZZt' function	S-X	Other
		2				Transition not parameterized		
			X			Active stage		
				V		Required stage		
200	6				0	Error calling the 'SX_ CheckZZt' function	S-X	Other
		3				Signal group number > supplied signal groups		
			X			Transferred signal group number		
				Y		Number of supplied signal groups		
200	6				0	Error calling the 'SX_ CheckZZt' function	S-X	Other
		4				Transition number not permissible		
			X			Active stage		
				Y		Transition number		
200	6				0	Error calling the 'SX_ CheckZZt' function	S-X	Other
		5				A conflicting signal group will not be aborted		
			X			Number of the entering signal group		
				Y		Number of the clearing signal group		
200	7			0	0	Error calling the 'SX_ CheckMinFreiZt' function	S-X	Other
		1				Transferred stage number not permissible		
			X			Transferred stage number		
200	7				0	Error calling the 'SX_ CheckMinFreiZt' function	S-X	Other
		2				Transition not parameterized		
			X			Active stage		
				V		Required stage		
200	7				0	Error calling the 'SX_ CheckMinFreiZt' function	S-X	Other
		3				Transferred stage number not permissible		
			X			Active stage		
				V		Transferred stage number		
200	10				0	Error calling the 'SX_SetzeSGAnfo' function	S-X	Other

No.	Par1	Par2	Par3	Par4	Par5	Meaning	Components	Error type
		1				Signal group number outside range		
			X			Number of the signal group		
				Y		Number of supplied signal groups		
200	11				0	Error calling the 'SGParaLesen' function	S-X	Other
		1				Signal group number outside range		
			X			Number of the signal group		
				Y		Number of supplied signal groups		
200	12			0	0	Partial intersection number outside range when calling the 'SX_CheckIVAnfoGesamtTk' function	S-X	Other
		X				Partial intersection number (MSB)		
			Y			Partial intersection number (LSB)		
200	13	1			0	Required stage outside range with the 'SX_PhasenBearbeiten' function	S-X	Other
			X			Number of active stage		
				Y		Number of required stage		
200	13	2			0	Required stage from demand conditions = 0 with parameterization = 99	S-X	Other
			X			Number of active stage		
				Y		Number of required stage		
200	13	3			0	Required stage from demand conditions outside range with the 'SX_ PhasenBearbeiten' function	S-X	Other
			X			Number of active stage		
				Y		Number of required stage		
200	13	4			0	No (valid) transition to the required stage with 'SX_ PhasenBearbeiten' function	S-X	Other
			X			Number of active stage		
				Y		Number of required stage		
200	13	5			0	Active stage outside range (system error) with the 'SX_ PhasenBearbeiten' function	S-X	Other

No.	Par1	Par2	Par3	Par4	Par5	Meaning	Components	Error type
			X			Number of active stage		
200	13	6			0	No (valid) transition to the required stage with 'SX_ PhasenBearbeiten' function (transition number from TL user)	S-X	Other
			X			Number of active stage		
				Y		Number of required stage		
200	14	1		0	0	Required stage outside range with the 'SX_AusgefallenePhasen' function	S-X	Other
			X			Number of required stage		
200	15	1		0	0	Transferred signal group outside range with the 'SX_CheckSGDauer' function	S-X	Other
			X			Number of the transferred signal group		
200	15	2		0	0	Incorrect transition number or no transition from the active to the required stage	S-X	Other
			X			Number of the transferred signal group		
200	16				0	Error calling the 'SX_LeseSGAnfo' function	S-X	Other
		1				Signal group number outside range		
			X			Number of the signal group		
				Y		Number of supplied signal groups		
200	17			0	0	Error calling the 'SX_CheckMinFreiZt' function	S-X	Other
		1				Transferred stage number not permissible		
			X			Transferred stage number		
200	17				0	Error calling the 'SX_ CheckMinFreiZt' function	S-X	Other
		2				Transition not parameterized		
			X			Active stage		
				V		Required stage		
20	17				0	Error calling the 'SX_	S-X	Other

No.	*Par1*	*Par2*	*Par3*	*Par4*	*Par5*	*Meaning*	*Components*	*Error type*
0						CheckMinFreiZt' function		
		3				Transferred stage number not permissible		
			X			Active stage		
				V		Transferred stage number		

4.4 TA operating messages

No.	*Par1*	*Par2*	*Par3*	*Par4*	*Par5*	*Meaning*	*Components*	*Error type*
1	1	0	0	0	0	Wire breakage with master control	Master control	
2			0	0	0	Error calling the 'SETZE_TL_PARA_INSTANZ' function	Control kernel	C900
	1					Invalid instance number transferred		
		X				Transferred instance number		
2			0	0	0	Error calling the 'SETZE_TL_PARA_INSTANZ' function	Control kernel	C900
	2					Required instance number not supplied		
		X				Transferred instance number		
3			0	0	0	Error in PT memory	Control kernel	C900
	1					Could not create the ring buffer		
						...		
3				0	0	Error in PT memory	Control kernel	C900
	2					A data record could not be entered in the ring buffer		
		X				MSB of entry index		
			Y			LSB of entry index		
3				0	0	Error in PT memory	Control kernel	C900
	3					A data record could not be exported from the ring buffer		
		X				MSB of entry index		
			Y			LSB of entry index		
20						Error calling the 'Zeitwert_in_Zeitbereich' function	Control kernel	
	2					Incorrect time value		
		X				Time value (MSB)		
			x			Time value (LSB)		
				Y		Cycle time (MSB)		
					y	Cycle time (LSB)		
20						Error calling the 'Zeitwert_in_Zeitbereich' function	Control kernel	
	3					Incorrect offset begin		
		X				Offset begin (MSB)		
			x			Offset begin (LSB)		
				Y		Cycle time (MSB)		

No.	Par1	Par2	Par3	Par4	Par5	Meaning	Components	Error type
					y	Cycle time (LSB)		
20						Error calling the 'Zeitwert_in_Zeitbereich' function	Control kernel	
	4					Incorrect offset end		
		X				Offset end (MSB)		
			x			Offset end (LSB)		
				Y		Cycle time (MSB)		
					y	Cycle time (LSB)		
20				0	0	Error calling the 'Zeitwert_in_Zeitbereich' function	Control kernel	
	6					Unknown comparison type		
		X				Comparison type (MSB)		
			x			Comparison type (LSB)		
21			0	0	0	Error calling the ‚DET_SER_LESEN' function	Control kernel	C900
	1					Detector number out of range		
		X				Detector number		
21			0	0	0	Error calling the ‚DET_SER_LESEN' function	Control kernel	C900
	2					Detector not parameterized as serial detector		
		X				Detector number		

More Information:

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The information in this Manual contains descriptions and performance features that may change as the products are developed. Specific desired performance features are guaranteed to be included only if they are expressly agreed upon when the contract is signed.

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