

***EDIABAS*** - ERROR REFERENCE

***EDIABAS***

***Electronic Diagnostic Basic System***

**ERROR REFERENCE**

**VERSION 6b**

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ERROR.DOC

## **EDIABAS - ERROR REFERENCE**

### **Contents**

<b>Contents .....</b>	<b>2</b>
<b>1. Revision history .....</b>	<b>3</b>
<b>2. Introduction .....</b>	<b>4</b>
2.1. About this manual.....	4
2.2. Notational conventions .....	4
2.3. Special features, terms, acronyms .....	5
<b>3. General Information .....</b>	<b>6</b>
3.1. Error symbol and error code.....	6
3.2. Message and output of an error .....	6
3.3. How errors affect program execution .....	7
<b>4. List of errors .....</b>	<b>8</b>
4.1. IFH, Interface Handler .....	9
4.2. Runtime system .....	34
4.2.1. BIP, BEST Interpreter .....	34
4.2.2. SYS, sequence control .....	41
4.3. API, Application Programming Interface .....	55
4.4. Network .....	64
4.5. Applikation.....	72
<b>A. References.....</b>	<b>73</b>

## **EDIABAS - ERROR REFERENCE**

### **1. Revision history**

Version 3.0	First release
Version 3.0A	Enhanced error message descriptions (partially)
Version 3.0B	Enhanced error message descriptions (complete)
Version 4.1	Revised for EDIABAS V4.1.0
Version 5	Revised for EDIABAS V5.1.0
Version 5a	Error corrections Extended for EDIABAS 5.5.0
Version 5b	New: IFH-0037 to IFH-0040
Version 5c	Extended for QNX
Version 6	Extended for EDIABAS 6.0.0: BIP-0012, BIP-0013 and IFH-0041 to IFH-0059
Version 6b	Revised for EDIABAS V6.4.4

## 2. Introduction

### 2.1. About this manual

This manual describes the general structure of an error. All errors which can occur in EDIABAS are listed, including the respective methods of correction. General information regarding EDIABAS and ECU description files is described in [2].

### 2.2. Notational conventions

The following typographical conventions are used throughout this manual:

Example	Description
SAMPLE.C	Uppercase denotes file names, registers and operating system commands.
<b>apiJob,</b> <b>APIREADY</b>	Bold-faced type identifies keywords and operators of the language BEST/2 and BEST/s as well as the API functions. These words must be written exactly as specified in syntax descriptions.
<i>expression</i>	Italics designate placeholders for values to be entered by the programmer; e.g., file names..
[option]	Words enclosed in square brackets may be optionally specified.
{ <b>result</b>   <b>argument</b> }	Curvy braces and vertical strokes characterize entries from which only one must be selected, except when in square brackets.
[constant...] job...	An ellipsis (three dots) which directly follows an expression indicates that several expressions of the same type can follow.
hallo="Test";	This syntax designates examples, user entries, program outputs and error messages.
while() { . .}	A column or a row comprising three dots indicates that a section of an example was intentionally omitted.
[1]	Reference to a document in References.

## **2.3. Special features, terms, acronyms**

An explanation of all abbreviations used in this and all other EDIABAS documentation can be found in the publication "EDIABAS User Manual" in chapter "GLOSSARY"

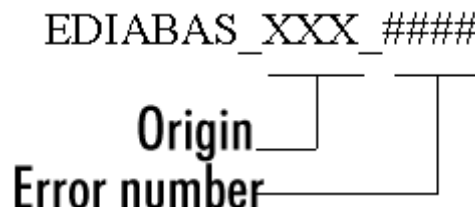
## **EDIABAS - ERROR REFERENCE**

### **3. General Information**

Erroneous functions such as time-out during ECU communication can occur during the execution of EDIABAS. An erroneous function recognized by EDIABAS is reported as an EDIABAS error.

#### **3.1. Error symbol and error code**

An *error symbol* structured as follows is assigned to each error:



The *Origin* of an error denotes the EDIABAS-internal program area where the error was detected. The following areas are possible:

IFH	Interface Handler (run-time system)
BIP	BEST Interpreter (run-time system)
SYS	Run-time System (run-time system)
API	Application Programming Interface
NET	Network (run-time system)
RUN	SGBD (ECU description file)

Errors having the *same* Origin can be differentiated using a 4-digit error number. If an error does not exist, it is identified by the pseudo error symbol `EDIABAS_ERR_NONE`.

An integer value, the error code, is assigned to each *Error symbol*. The value 0 indicates that an error was not recognized by EDIABAS (error symbol `EDIABAS_ERR_NONE`).

#### **3.2. Message and output of an error**

An error recognized by EDIABAS is reported to the application program and can only be output there.

## **EDIABAS - ERROR REFERENCE**

An application program can independently determine the type and way an error is handled, whereby basically only the following error information can be fetched by EDIABASE:

Error code    ( with API function *apiErrorCode* )

Error text     ( with API function *apiErrorText* )

Document [1] describes, in detail, the procedure on how an application program recognizes and issues (outputs) errors.

### **3.3. How errors affect program execution**

An error which occurs while a job is being processed causes the job to be aborted and an error message to be issued to the application program. All job results stored up to this point are deleted. If an error occurs during the initialization of EDIABAS (*apiInitXxx*) by the application program, initialization is aborted.

An error remains stored until an application program (*apiJobXxx* call) starts a new job, re-initialization is performed via *apiInitXxx*, or a device change is performed with *apiSwitchDevice*.

The errors API-0005 and API-0014 will be deleted during the next result query (*apiResultXxx*).

### 4. List of errors

This chapter lists all errors which are reported by EDIABAS. In accordance with the place of origin, subdivision into IFH, BIP, SYS and API is made.

All errors are represented in the same way:

Error code	Error text	Error symbol
	Meaning:	
	Causes:	
	Error correction:	
	Target system	WIN   SCO   QNX

**Error code** represents the error (as a value) reported by EDIABAS. This value can be fetched by the application from EDIABAS using the function `apiErrorCode`.

**Error text** shows the error reported by EDIABAS in text format. This error text can be fetched by the application program from EDIABAS using the function `apiErrorText`.

**Error symbol** corresponds to the error assignment in file `API.H`, in which the error symbol is defined as a constant.

Each error description comprises the sections **Meaning**, **Causes**, **Error correction** and **Target system**. Errors are explained in section "Meaning". The causes of an error are described in a corresponding section. All measures described in section "Error correction" are always to be observed or carried out.

Section "Target system" informs the user under which EDIABAS target system the error can occur. If an error cannot occur on an EDIABAS target system, the corresponding target system is crossed out.

Each target system is assigned an:

- WIN = EDIABAS / MS-WINDOWS
- SCO = EDIABAS / SCO UNIX
- QNX = EDIABAS / QNX



## **EDIABAS - ERROR REFERENCE**

### **4.1. IFH, Interface Handler**

#### **10      IFH-0000: INTERNAL ERROR      EDIABAS\_IFH\_0000**

Meaning:            This error indicates an illegal EDIABAS program state.  
Causes:            A program result cannot be processed.  
Error correction:   Not possible by the user. If this error happens to occur,  
                         please contact SOFTING.  
Target system:    WIN    SCO    QNX

#### **11      IFH-0001: UART ERROR      EDIABAS\_IFH\_0001**

Meaning:            Overflow of a data buffer in the device driver of the  
                         interface or undefined error message from the driver.  
Causes:            More data are sent to the driver than this buffer can  
                         receive.  
Error correction:   Not possible by the user. If this error happens to occur,  
                         please contact SOFTING.  
Target system:    WIN    SCO    QNX

**12      IFH-0002: NO RESPONSE FROM      EDIABAS\_IFH\_0002**  
**INTERFACE**

Meaning:            The diagnostic bus interface connected does not respond.

Causes:            The interface is not connected.  
                      The interface is not supported by the Interface Handler  
                      No voltage is supplied to the interface.  
                      No firmware is loaded in the interface (download version of the interface).

Error correction:   Check if the correct interface is properly connected.

Target system:    WIN    SCO    QNX

**13      IFH-0003: DATATRANSMISSION TO      EDIABAS\_IFH\_0003**  
**INTERFACE DISTURBED**

Meaning:            A response from the interface was incorrectly received (characters were lost, protocol frame incorrect, etc.).

Causes:            Contact problems in the cables between the host system and EDIC-GH.

Error correction:   Check the cables between the host system and EDIC-GH.

Target system:    WIN    SCO    QNX

## **EDIABAS - ERROR REFERENCE**

### **14 IFH-0004: ERROR IN INTERFACE COMMAND EDIABAS\_IFH\_0004**

Meaning: Unknown command to the interface.

Causes: The requested interface function is not available in the interface used.

Error correction: Not possible by the user. If this error happens to occur, please contact SOFTING.

Target system: WIN SCO QNX

### **15 IFH-0005: INTERNAL INTERFACE ERROR EDIABAS\_IFH\_0005**

Meaning: This error indicates an illegal program status of the diagnostic bus interface.

Causes: A program result of the interface cannot be processed.

Error correction: If an error repeatedly occurs, temporarily interrupt its voltage supply in order to reset the interface.

If an error still occurs after interrupting of the voltage supply, re-load the firmware of the interface.

Please contact SOFTING if the error still continues to occur.

Target system: WIN SCO QNX

**16      IFH-0006: COMMAND NOT ACCEPTED      EDIABAS\_IFH\_0006**

Meaning:            The interface fails to accept the sent command.

Causes:            With diagnostic bus interface EDIC:  
                      A "Send message to ECU" (BEST1: xsend; BEST2: send\_and\_receive) or "Set ECU parameters" (BEST1: xsetpar; BEST2: set\_communication\_pars) was sent to EDIC while ECU communication is still in progress. If cyclic sending of a message is started (BEST1: xsendf; BEST2: send\_frequent), ECU communication is continuously active.

Error correction:   This mode must be aborted prior to re-sending a message or setting ECU parameters (BEST1: xstopf; BEST2: stop\_frequent).

Target system:    WIN   SCO   QNX

**17      IFH-0007: WRONG UBATT      EDIABAS\_IFH\_0007**

Meaning:            This error occurs when either no voltage is currently supplied to the D bus or when the voltage is too small. In addition, this error can also be caused by short circuits on the D bus. The error message is issued only following BEST commands which access the D bus. These are:

Send and receive a message  
Request the ECU keybytes and identification data

                      This error message is suppressed for all other BEST commands of the Interface Handler (e.g. read the ports or set ECU parameters). As soon as the correct voltage is applied on the D bus, an error message no longer occurs after executing the BEST commands above.

Causes:            No (or too small) voltage supplied on the D bus.

Error correction:   Supply voltage to the D bus.

Target system:    WIN   SCO   QNX

## **EDIABAS - ERROR REFERENCE**

### **18 IFH-0008: CONTROLUNIT CONNECTION ERROR EDIABAS\_IFH\_0008**

Meaning: Erroneous connection between the interface and the ECU.

Causes: Short circuit on the TxD or RxD .

Error correction: Remove short circuit.

Target system: WIN SCO QNX

### **19 IFH-0009: NO RESPONSE FROM CONTROLUNIT EDIABAS\_IFH\_0009**

Meaning: The ECU is not connected or does not respond.

Causes: The ECU is not connected (or not properly).

The ECU is not supplied with voltage.

The ECU is addressed with a wrong address.

The ECU parameters are incorrect (concept, times, etc.).

Error correction: Check the error causes above.

Target system: WIN SCO QNX

### **20 IFH-0010: DATATRANSMISSION TO CONTROLUNIT DISTURBED EDIABAS\_IFH\_0010**

Meaning: The data transmission between the interface and the ECU is disturbed.

Causes: Disturbance on the diagnostic line.

The interface EDIC is not loaded with the diagnostics protocol requested in the ECU description file (SGBD).

Error correction: Repeat the last job.

Download the required EDIC firmware.

Target system: WIN SCO QNX

## **EDIABAS - ERROR REFERENCE**

### **21 IFH-0011: UNKNOWN INTERFACE EDIABAS\_IFH\_0011**

Meaning: This error is inapplicable for EDIABAS V3.0.0 or later.  
The error code and associated constants do not exist due to compatibility reasons.

Causes: -

Error correction: -

Target system: WIN SCO QNX

### **22 IFH-0012: BUFFER OVERFLOW EDIABAS\_IFH\_0012**

Meaning: Overflow in one of the internal data buffers of the Interface Handler.

Causes: IFH-internal buffer overflow.

Error correction: Not possible by the user. If this error happens to occur, please contact SOFTING.

Target system: WIN SCO QNX

### **23 IFH-0013: COMMAND NOT IMPLEMENTED EDIABAS\_IFH\_0013**

Meaning: The BEST command called is not supported by the Interface Handler.

Causes: An interface is connected in which the functionality appears behind the BEST command is not integrated (e.g. IDBSS instead of EDIC).

Error correction: Replace the interface (e.g. EDIC instead of IDBSS).

Target system: WIN SCO QNX

**24      IFH-0014: CONCEPT NOT IMPLEMENTED      EDIABAS\_IFH\_0014**

Meaning:      This error is inapplicable for EDIABAS V3.0.0 or later.  
The error code and associated constants do not exist due to compatibility reasons.  
You can set this error using the BEST2 function **make\_error**

Causes:      -

Error correction:      -

Target system:      WIN    SCO    QNX

**25      IFH-0015: UBATT ON/OFF ERROR      EDIABAS\_IFH\_0015**

Meaning:      This error message occurs whenever the supply voltage on the D bus was temporarily interrupted before the Interface Handler accesses the interface. If the interruption continues to exist during the current access to the interface, the error message "IFH-0007: WRONG UBATT" occurs instead. After the error message is issued, the status flag in the interface which displayed this error is automatically deleted by the Interface Handler.

Causes:      The voltage supplied on the D bus was temporarily interrupted.

Error correction:      Repeat the job.  
If the error is to be generally suppressed for all application programs, set the EDIABAS configuration element UbattHandling to 0.

Target system:      WIN    SCO    QNX

**26      IFH-0016: IGNITION ON/OFF ERROR      EDIABAS\_IFH\_0016**

Meaning:            This error message occurs whenever the ignition was disabled after the last access of the Interface Handler to the interface, even when it had been re-enabled again in the meantime. The reason for this error message cannot be determined from the current status of the ignition. The current status of the ignition must be interrogated with the corresponding BEST command (BEST1: xignit; BEST2: get\_ignition\_voltage). After the error message is issued, the status flag in the interface which caused the error message is automatically deleted by the Interface Handler

Causes:            Ignition disabled.

Error correction:   Enable the ignition and repeat the last job.

If the error is to be generally suppressed for all application programs, the EDIABAS configuration element IgnitionHandling must be set to 0.

Target system:    WIN    SCO    QNX

**27      IFH-0017: INTERFACE DEADLOCK ERROR      EDIABAS\_IFH\_0017**

Meaning:            EDIC BUSY condition is too long (greater than „deadlock“ timeout).

Causes:            The ECU response time is greater than “deadlock” time.  
Several blocks are expected after sending a message to which the ECU which does not respond (can be set via BEST command "xawlen").

Error correction:   The ECU response time is greater than “deadlock” time.  
Set the response length to (BEST1: xawlen {0.i,0.i}; BEST2: set\_answer\_length).

Target system:    WIN    SCO    QNX



## **EDIABAS - ERROR REFERENCE**

### **28 IFH-0018: INITIALIZATION ERROR EDIABAS\_IFH\_0018**

Meaning: Error at initiation of the interface handler

Causes:

The Interface Handler XEDIC.DLL or XEDIC32.DLL is used, and no EDIC unit is configured in the EDIC API configuration files.

The Interface Handler was not initialized (shouldn't occur, since the initialization automatically occurs with apilnit).

Error correction:

Re-initialize EDIC (with EDIC API). If the error continues to occur, please inform SOFTING.

Target system: WIN SCO QNX

### **29 IFH-0019: DEVICE ACCESS ERROR EDIABAS\_IFH\_0019**

Meaning: Execution of the BEST command which accesses the Interface Handler is denied.

Causes: This error message always occurs whenever access is made to the Interface Handler via a BEST command and the device driver of the interface still has not been opened.

Error correction: The connection to the driver must first be produced in the ECU description file. (BEST1: xconnect, BEST2: open\_communication). This is why this command must be placed before the first command which accesses the Interface Handler; i.e. this command should principally appear in the jobs "INITIALIZATION" and "ENDE".

Target system: WIN SCO QNX

## **EDIABAS - ERROR REFERENCE**

### **30 IFH-0020: DRIVER ERROR EDIABAS\_IFH\_0020**

Meaning: Error when accessing the device driver of the interface.

Causes: The driver is not (or not properly) installed (parameter, version !?).

Error correction: The driver installation is to be checked according to the installation instructions enclosed with the interface used.

Use EDIC as interface; then check your EDIC API installation in Windows.

Target system: WIN SCO QNX

### **31 IFH-0021: ILLEGAL PORT EDIABAS\_IFH\_0021**

Meaning: Specification of an illegal port number in the ECU description file (SGBD).

Causes: Illegal port numbers are used In the BEST commands (BEST1: xgetport and xsetport, BEST2: ifgetport and ifsetport).

Error correction: Correction of the port number in the ECU description file.

Target system: WIN SCO QNX

### **32 IFH-0022: DRIVER STATUS ERROR EDIABAS\_IFH\_0022**

Meaning: The Interface Handler cannot interpret the status message of the device driver included in the interface.

Causes: The driver responds with an undefined status message.

Error correction: Not possible by the user. If this error happens to occur, please contact SOFTING.

Target system: WIN SCO QNX

## **EDIABAS - ERROR REFERENCE**

### **33 IFH-0023: INTERFACE STATUS ERROR EDIABAS\_IFH\_0023**

Meaning: The Interface Handler cannot interpret the status message.

Causes: The interface responds with an undefined status message.

Error correction: Not possible by the user. If this error happens to occur, please contact SOFTING.

Target system: WIN SCO QNX

### **34 IFH-0024: CANCEL FAILED EDIABAS\_IFH\_0024**

Meaning: Error when resetting the DPRAMs. This error only occurs in connection with EDIC versions communicating via DPRAM with the PC.

Causes: The DPRAM and/or the device driver of the interface are in an undefined state.

Communication problem between the device driver of the interface and the EDIC firmware.

Error correction: Repeat the job.

Re-load the EDIC firmware.

Target system: WIN SCO QNX

### **35 IFH-0025: INTERFACE APPLICATION ERROR EDIABAS\_IFH\_0025**

Meaning: Error when opening the device driver of the interface (BEST1: xconnect, BEST2: open\_communication). This error only occurs together with EDIC versions communicating via DPRAM with the PC.

Causes: The firmware was not loaded in EDIC.

Error correction: Download the corresponding EDIC firmware.

Target system: WIN SCO QNX

**36      IFH-0026: SIMULATION ERROR      EDIABAS\_IFH\_0026**

Meaning:            Error in connection with the ECU Simulator.

Causes:            Syntax error in one of the simulation files.

                      One of the simulation files is missing or placed in the  
                      wrong directory (see description of the ECU Simulator).  
                      Simulation files created with MS-DOS/WINDOWS were  
                      not converted to the Unix format before being used with  
                      Unix.

Error correction:   Correction of the erroneous simulation file(s) (see  
                         description of the ECU Simulator).

Target system:    WIN   SCO   QNX

## **EDIABAS - ERROR REFERENCE**

### **37      IFH-0027: IFH NOT FOUND      EDIABAS\_IFH\_0027**

Meaning:            The Interface Handler is not installed.

Causes:            EDIABAS attempts to access the Interface Handler although this is not (or incorrectly) installed.

Error correction:   Check your application as to whether the EDIC API or ADS set, respectively, has been installed.  
                         Terminate the application program  
  
                         Check whether the correct interface is entered in the EDIABAS configuration.  
  
                         After the configuration has been corrected, terminate the Interface Handler and EDIABAS, and re-start:  
                              WIN32: EDIABAS is automatically closed with the application (automatic restart)  
                              WIN16: Close EDIABASW.EXE via the system menu (automatic re-start)  
                              SCO:    Call shell script apiclose  
                                      Call shell script apiboot  
                              QNX:    Call shell script apiclose  
                                      Call shell script apiboot  
  
                         Re-start the application program.

Target system:    WIN    SCO    QNX

## **EDIABAS - ERROR REFERENCE**

### **38 IFH-0028: ILLEGAL IFH VERSION EDIABAS\_IFH\_0028**

Meaning: A wrong Interface Handler version is installed.

Causes: Your EDIABAS requires a different Interface Handler version than that which is installed.

Error correction: Re-install the required EDIABAS version and possibly the Extension Disk.  
Re-install the required EDIC API or ADS version, respectively.

Target system: WIN SCO ~~QNX~~

### **39 IFH-0029: ACCESS DENIED EDIABAS\_IFH\_0029**

Meaning: Access to the Interface Handler is presently not possible.

Causes: Only **one** program can access the Interface Handler at the same time. When a program accesses the Interface Handler, this was already connected to another program.

Error correction: Terminate all programs which currently access the Interface Handler.

Target system: WIN SCO ~~QNX~~

## **EDIABAS - ERROR REFERENCE**

### **40 IFH-0030: TASK COMMUNICATION ERROR EDIABAS\_IFH\_0030**

Meaning: Communication between EDIABAS and the Interface Handler is disturbed.

Causes: Communication data from the Interface Handler are erroneous or the communication medium is damaged. If the Interface Handler does not respond within a specified time, this error is also issued..

Error correction: If this error repeatedly occurs, re-start the application program. If the error is still not corrected, re-start your system.

Target system: WIN SCO QNX

### **41 IFH-0031: DATA OVERFLOW EDIABAS\_IFH\_0031**

Meaning: The input buffer is full.

Causes: Excessive data is transferred from EDIABAS to the Interface Handler.

Error correction: Not possible by the user. If this error still occurs, please contact SOFTING.

Target system: WIN SCO QNX

### **42 IFH-0032: IGNITION IS OFF EDIABAS\_IFH\_0032**

Meaning: This error messages occurs whenever the ignition is disabled while the Interface Handler accesses the ECU.

Causes: The ignition is disabled.

Error correction: Enable the ignition, and repeat the last job.

Target system: WIN SCO QNX

**44      IFH-0034: CONFIGURATION FILE NOT FOUND      EDIABAS\_IFH\_0034**

Meaning:            This error message occurs whenever the configuration files for the EDIC API couldn't be found.

Causes:            The EDIC API configuration files do not exist (or do not reside in the correct directory).

Error correction:   Re-install EDIC. If the error should continue to occur, please inform SOFTING.

Target system:    WIN   SCO   QNX

**45      IFH-0035: CONFIGURATION ERROR      EDIABAS\_IFH\_0035**

Meaning:            At least one configuration element in one of the EDIC API configuration files is incorrectly configured.

Causes:            Erroneous configuration of an EDIC API configuration element.

Error correction:   In case of an erroneous configuration, the files EDICHW.LOG or EDICFW.LOG, respectively, are stored in the configuration file directory. In this file, the erroneous configurations are listed.

                      Re-install EDIC. If this error should continue to occur, inform SOFTING.

Target system:    WIN   SCO   QNX



**46      IFH-0036: LOAD ERROR      EDIABAS\_IFH\_0036**

Meaning:            This error message occurs when an error occurs while loading the EDIC firmware.

Causes:            Erroneous configuration.  
                      EDIC is not connected.

Error correction:   Check the cables and the EDIC API configuration (was a \*.LOG file created?).  
                          If necessary, re-install the EDIC (firmware). If this error should continue to occur, inform SOFTING.

Target system:    WIN   ~~SCO~~   ~~QNX~~

**47      IFH-0037: LOW UBATT      EDIABAS\_IFH\_0037**

Meaning:            This error occurs whenever a voltage is currently supplied to the D bus and when a connected ECU does not respond. The error message is issued only after BEST command which access the D bus. These are:

Send and receive a message.  
Request the ECU keybytes and identification files.

This error message is suppressed for all other BEST commands of the Interface Handler (e.g. read the ports or set ECU parameters). As soon as the correct voltage is supplied to the D bus, no error message is issued anymore after executing the BEST commands above.

Causes:            The supply voltage is too low on the D bus, and the ECU does not respond.

Error correction:   Increase voltage supply on the D bus.

Target system:    WIN   SCO   QNX

## **EDIABAS - ERROR REFERENCE**

### **48 IFH-0038: INTERFACE COMMAND NOT IMPLEMENTED EDIABAS\_IFH\_0038**

Meaning: The command used by the Interface Handler to the interface is not supported by the interface.

Causes: The current interface version does not support the command used.

Error correction: Install an interface which supports the commands used.

Target system: WIN SCO QNX

### **49 IFH-0039: EDIC USER INTERFACE NOT FOUND EDIABAS\_IFH\_0039**

Meaning: Component EDICX.EXE or EDICX32.EXE couldn't be found

Causes: Component .EDICX.EXE or EDICX32.EXE is missing in the installation

Error correction: Re-install the EDIC. If this error should continue to occur, inform SOFTING.

Target system: WIN ~~SCO~~ ~~QNX~~

**50      IFH-0040: ILLEGAL EDIC USER INTERFACE VERSION      EDIABAS\_IFH\_0040**

Meaning:            The version of the EDIC user interface does not match the version of the EDIC API:

Causes:            EDIC API was installed incorrectly or parts of the EDIC API (EDIC.DLL, EDIC32.DLL, EDICX.EXE, EDICX32.EXE) reside in the Windows directory.

Error correction:   Delete all components of the EDIC API (EDIC.DLL, EDIC32.DLL, EDICX.EXE, EDICX32.EXE) which reside in the Windows directory.

                      Re-install the EDIC. If this error should continue to occur, inform SOFTING.

Target system:    WIN   SCO   QNX

**51      IFH-0041: ILLEGAL PARAMETERS      EDIABAS\_IFH\_0041**

Meaning:            Faulty function parameter transfer to the EDIC API.

Causes:            A function of EDIC API received parameters not within the range of values.

Error correction:   Cannot be performed by the user. If this error should occur, please inform SOFTING.

Target system:    WIN   SCO   QNX

**52      IFH-0042: CARD INSTALLATION ERROR      EDIABAS\_IFH\_0042**

Meaning:            Error during installation of the EDICcard.

Causes:            The EDICcard could not be installed correctly.

Error correction:   Re-install EDIC. If this error should continue to occur, please inform SOFTING.

Target system:    WIN   SCO   QNX

## **EDIABAS - ERROR REFERENCE**

### **53 IFH-0043: COMMUNICATION TRACE ERROR EDIABAS\_IFH\_0043**

Meaning: Error in the EDIC communication trace.  
Causes: No access to DPRAM possible.  
Error correction: Re-install EDIC. If this error should continue to occur, please inform SOFTING.  
Target system: WIN SCO ~~QNX~~

### **54 IFH-0044: FLASH ERROR EDIABAS\_IFH\_0044**

Meaning: An error was found during the flash process of the EDIC firmware.  
Causes: Faulty EDIC API configuration, the firmware is corrupted, or the EDIC is not connected.  
Error correction: Check the EDIC connectors on the computer and the EDIC API configuration (EDICHW.INI and EDICFW.INI).  
Target system: WIN SCO ~~QNX~~

### **55 IFH-0045: RUNBOARD ERROR EDIABAS\_IFH\_0045**

Meaning: An error has occurred during initialization of the EDIC-PC3.  
Causes: Faulty EDIC API configuration.  
Error correction: Check your EDIC API configuration (EDICHW.INI and EDIC-PC3 configuration).  
Target system: WIN SCO ~~QNX~~

## **EDIABAS - ERROR REFERENCE**

### **56 IFH-0046: EDIC API ACCESS ERROR EDIABAS\_IFH\_0046**

Meaning: An error has occurred during starting of the application program.

Causes: An application program in another directory already uses the EDIC API.

Error correction: Terminate the other application program and restart your application program.

Target system: WIN SCO ~~QNX~~

### **57 IFH-0047: PLUGIN ERROR EDIABAS\_IFH\_0047**

Meaning: A plug-in DLL could not be loaded, or access to this DLL was not possible.

Causes: Faulty EDIC API configuration, plug-in DLL not found, or the plug-in DLL needs another DLL which was not found.

Error correction: Cannot be performed by the user. If this error should re-occur, please inform the company which has implemented your plug-in DLL.

Target system: WIN SCO ~~QNX~~

### **58 IFH-0048: PLUGIN FUNCTION ERROR EDIABAS\_IFH\_0048**

Meaning: One function in a plug-in DLL could not be accessed.

Causes: The function in the plug-in DLL is missing or implemented incorrectly.

Error correction: Cannot be performed by the user. If this error should re-occur, please inform the company which has implemented your plug-in DLL.

Target system: WIN SCO ~~QNX~~

## **EDIABAS - ERROR REFERENCE**

### **59 IFH-0049: CSS DEVICE DETECTION ERROR EDIABAS\_IFH\_0049**

Meaning: A C&SS EDIC was not found.

Causes: Faulty configuration, or the necessary system resources (IRQ, memory) are not available.

Error correction: Please check the EDIC API configuration (EDICHW.INI, the driver, IRQ and memory configuration).

Target system: WIN SCO ~~QNX~~

### **200 IFH-0050: ENTRY IN DYNAMIC CONFIGURATION NOT FOUND EDIABAS\_IFH\_0050**

Meaning: During the dynamic reloading of protocols, an internal error has occurred.

Causes: An entry in the EDIC API configuration file for the dynamic reloading of protocols is faulty or missing.

Error correction: Re-install the firmware. If the same error should occur again, please inform the company which has implemented your application program.

Target system: WIN SCO ~~QNX~~

### **201 IFH-0051: INTERNAL DYNAMIC PROTOCOL ERROR EDIABAS\_IFH\_0051**

Meaning: During the dynamic reloading of protocols, an internal error has occurred.

Causes: An illegal program status of the EDIC API has occurred.

Error correction: Cannot be performed by the user. If this error should re-occur, inform SOFTING.

Target system: WIN SCO ~~QNX~~

## **EDIABAS - ERROR REFERENCE**

### **202 IFH-0052: CONCEPT NOT AVAILABLE EDIABAS\_IFH\_0052**

Meaning: The selected concept is not available.

Causes: For the selected concept, no firmware is available or has been configured in the EDIC API configuration.

Error correction: Re-install the firmware. If this error should continue to occur, please inform the company which has implemented your application program.

Target system: WIN SCO ~~QNX~~

### **203 IFH-0053: ILLEGAL CONCEPT ID EDIABAS\_IFH\_0053**

Meaning: Illegal concept number.

Causes: The selected concept number has an illegal value.

Error correction: Cannot be performed by the user. If this error should occur, please inform the company which has implemented your application program.

Target system: WIN SCO ~~QNX~~

### **204 IFH-0054: ILLEGAL FUNCTION PARAMETER EDIABAS\_IFH\_0054**

Meaning: An EDIC API function was called with an illegal parameter.

Causes: An illegal program status of the EDIC API has occurred.

Error correction: Cannot be performed by the user. If this error should occur, please inform SOFTING.

Target system: WIN SCO ~~QNX~~

## **EDIABAS - ERROR REFERENCE**

### **205 IFH-0055: CANNOT LOAD PROTOCOL TABLES EDIABAS\_IFH\_0055**

Meaning: The dynamic reloading of protocol tables has failed.

Causes: Faulty firmware configuration in the EDIC API configuration.

Error correction: Re-install the firmware. If this error should continue to occur, please inform the company which has implemented your application program.

Target system: WIN SCO ~~QNX~~

### **206 IFH-0056: ILLEGAL CHANNEL EDIABAS\_IFH\_0056**

Meaning: Transfer of an illegal channel number to EDIC API.

Causes: An illegal channel number was passed to EDIC API.

Error correction: Cannot be performed by the user. If this error should occur, please inform the company which has implemented your application program.

Target system: WIN SCO ~~QNX~~

### **207 IFH-0057: ERROR READ DIGITAL INPUTS EDIABAS\_IFH\_0057**

Meaning: Error during reading of a digital EDIC input.

Causes: An error has occurred during reading of a digital EDIC input.

Error correction: Cannot be performed by the user. If this error should occur, please inform SOFTING.

Target system: WIN SCO ~~QNX~~



## **EDIABAS - ERROR REFERENCE**

### **208 IFH-0058: ERROR SET DIGITAL OUTPUTS EDIABAS\_IFH\_0058**

Meaning: Error during setting a digital EDIC output.

Causes: An error has occurred during the setting of a digital EDIC output.

Error correction: Cannot be performed by the user. If this error should occur, please inform SOFTING.

Target system: WIN SCO ~~QNX~~

### **209 IFH-0059: ERROR READ ANALOG INPUTS EDIABAS\_IFH\_0059**

Meaning: Error during reading an analog EDIC input.

Causes: An error has occurred during the reading of an analog EDIC input.

Error correction: Cannot be performed by the user. If this error should occur, please inform SOFTING.

Target system: WIN SCO ~~QNX~~

## **4.2. Runtime system**

### **4.2.1. BIP, BEST Interpreter**

#### **60      BIP-0000: INTERNAL ERROR      EDIABAS\_BIP\_0000**

Meaning:            The error indicates an illegal EDIABAS program state.  
Causes:            Program result cannot be processed.  
Error correction:   Not possible by the user. If this error happens to occur,  
                         please contact SOFTING.  
Target system:    WIN    SCO    QNX

#### **61      BIP-0001: OUT OF RANGE      EDIABAS\_BIP\_0001**

Meaning:            Job parameter too long or illegal index when accessing  
                         string registers.  
Causes:            This error usually always occurs whenever access is  
                         made to an array variable with a calculated index and  
                         this is too large.  
                         Example:  

```
i=100;  
array[100*i]=50;
```

  
Error correction:   Check all array accesses in your job if they contain an  
                         index which is possibly invalid. The indexes must not  
                         exceed 1024/element size.  
Target system:    WIN    SCO    QNX

## **EDIABAS - ERROR REFERENCE**

### **62      BIP-0002: IFH FUNCTION ERROR      EDIABAS\_BIP\_0002**

Meaning:            The Interface Handler function cannot be executed.  
Causes:            Error when calling an Interface Handler function.  
Error correction:   Not possible by the user. If this error happens to occur,  
                         please contact SOFTING.  
Target system:    WIN    SCO    QNX

### **63      BIP-0003: OBJECT FILE ERROR      EDIABAS\_BIP\_0003**

Meaning:            Error when reading the ECU description file.  
Causes:            The ECU description file is possibly damaged or a  
                         transmission error occurred when accessing via a  
                         network.  
Error correction:   If the error repeatedly occurs, re-compile the description  
                         file.  
Target system:    WIN    SCO    QNX

### **64      BIP-0004: ILLEGAL OPCODE      EDIABAS\_BIP\_0004**

Meaning:            Erroneous ECU description file.  
Causes:            The ECU description file is possibly damaged or a  
                         transmission error occurred when accessing via a  
                         network.  
Error correction:   If an error repeatedly occurs, re-compile the description  
                         file  
Target system:    WIN    SCO    QNX

## **EDIABAS - ERROR REFERENCE**

### **65      BIP-0005: STACK OVERFLOW      EDIABAS\_BIP\_0005**

Meaning:            Overflow of the BEST stack.

Causes:            The 2 KB stack area in the BEST interpreter is too small to execute the job. Either the job has a nesting depth which is too large or one of the functions from the runtime library is erroneous and does not clear the affected stack area.

Error correction:   Simplify the erroneous job or determine the function which issued this error.

Target system:    WIN   SCO   QNX

### **66      BIP-0006: BEST FILE ERROR      EDIABAS\_BIP\_0006**

Meaning:            Error when processing a BEST data file.

Causes:            An error occurred in one of the BEST data commands. If this occurs when opening the file (fopen), either the file does not exist or it cannot be read. If the error occurred when positioning the file pointer (BEST2 functions fseek, fseekln), attempt was made to position the pointer outside of the file. In the case of a read command, the error refers to a real read problem.

Error correction:   Check whether the file to be searched exists. If yes, test the accesses to the file within the job.

Target system:    WIN   SCO   QNX

## **EDIABAS - ERROR REFERENCE**

### **67      BIP-0007: DIVISION BY ZERO      EDIABAS\_BIP\_0007**

Meaning:            Division by 0.

Causes:            Division by 0 occurred while a job was being executed.

Error correction:   Check whether a division by 0 can occur in the code of a job. Trap this case before the division! Example:

```
if (a==0)
    b=1000;
else
    b=1000/a;
```

Target system:    WIN    SCO    QNX

### **68      BIP-0008: BEST BREAK      EDIABAS\_BIP\_0008**

Meaning:            Interruption by the description file.

Causes:            The command "break" (BEST/1) was called in the description file. This command can be installed, for example, for testing purposes in the ECU description file (SGBD).

Error correction:   Remove this command from the description file.

Target system:    WIN    SCO    QNX

### **69      BIP-0009: BEST VERSION ERROR      EDIABAS\_BIP\_0009**

Meaning:            Erroneous BEST version of the ECU description file.

Causes:            The ECU description file addressed was compiled by a compiler which is not compatible with this EDIABAS version.

Error correction:   Compile the ECU description file using the compiler included in this EDIABAS version.

Target system:    WIN    SCO    QNX

70	<b>BIP-0010: CONSTANT DATA ACCESS ERROR</b>	<b>EDIABAS_BIP_0010</b>
----	---	-------------------------

Meaning: Error when accessing constants (tables).

**Causes:** This error occurs with the table commands. If the specified table or table column does not exist, this error message is issued.

Error correction: Check whether the names of the tables and columns specified in the ECU description file agree with the actually existing tables.

Target system: WIN SCO QNX

## **EDIABAS - ERROR REFERENCE**

### **71      BIP-0011: REAL ERROR      EDIABAS\_BIP\_0011**

Meaning:            Over or underflow of a mathematical function

Causes:            This error occurs in connection with the real processing functions. The representable numeric range was exceeded or fallen short of for an arithmetical operation.

Error correction:   Check the function parameters specified in the ECU description file which were transferred to the real functions for computing real values.

Target system:    WIN   SCO   QNX

### **72      BIP-0012: PLUG IN NOT FOUND      EDIABAS\_BIP\_0012**

Meaning:            The plug-in component was not found.

Causes:            Before an ECU description file can access a plug-in component, this component must be installed in your system.

                      The error occurs because the plug-in component does not exist.

Error correction:   For eliminating the error, contact the developer of the ECU description file.

Target system:    WIN   ~~SCO~~   ~~QNX~~

### **73      BIP-0013: PLUG IN ERROR      EDIABAS\_BIP\_0013**

Meaning:            Faulty call of the plug-in component.

Causes:            In the plug-in component, an error has occurred.

Error correction:   For eliminating the error, contact the developer of the ECU description file.

Target system:    WIN   ~~SCO~~   ~~QNX~~

## **EDIABAS - ERROR REFERENCE**

### **74      BIP-0014: PLUG IN VERSION ERROR      EDIABAS\_BIP\_0014**

Meaning:            Wrong version of Plug-In component  
Causes:            No correct Plug-In component for ECU description file.  
Error correction:   No correct installation of EDIABAS system.  
Target system:    WIN   SCO   QNX

### **75      BIP-0015: PLUG IN STACK ERROR      EDIABAS\_BIP\_0015**

Meaning:            Error in Plug-In component.  
Causes:            Error in Plug-In component  
Error correction:   Contact the deloper of the Plug-In component.  
Target system:    WIN   SCO   QNX

### **76      BIP-0016: PLUG IN FUNCTION NOT FOUND      EDIABAS\_BIP\_0016**

Meaning:            Error in Plug-In component.  
Causes:            Error in Plug-In component  
Error correction:   Contact the deloper of the Plug-In component.  
Target system:    WIN   SCO   QNX



#### **4.2.2. SYS, sequence control**

##### **90      SYS-0000: INTERNAL ERROR      EDIABAS\_SYS\_0000**

Meaning:            The error indicates an illegal EDIABAS program state.  
Causes:            A program result cannot be processed.  
Error correction:   Not possible by the user. If this error happens to occur,  
                         please contact SOFTING.  
Target system:    WIN   SCO   QNX

##### **91      SYS-0001: ILLEGAL FUNCTION      EDIABAS\_SYS\_0001**

Meaning:            The error indicates an illegal EDIABAS program state.  
Causes:            The application program transferred an illegal  
                         communication to EDIABAS.  
Error correction:   Not possible by the user. If this error happens to occur,  
                         please contact SOFTING.  
Target system:    WIN   SCO   QNX

**92      SYS-0002: ECU OBJECT FILE NOT      EDIABAS\_SYS\_0002  
             FOUND**

Meaning:            The ECU variant description file couldn't be found.

Causes:            Either the description file does not exist in the EDIABAS  
                      search path or the search path is wrong.

                      EDIABAS search path:  
                      The EDIABAS configuration element EcuPath describes  
                      the EDIABAS search path. When the configuration  
                      setting does not exist, the current directory is used by  
                      EDIABAS as the search path.

Error correction:   Description file does not exist:  
                      Copy the requested description file in the EDIABAS  
                      search path.

                      Search path is wrong:  
                      Terminate the application program, and assign the  
                      correct path to configuration element EcuPath.  
                      In case the configuration changes, terminate EDIABAS,  
                      and re-start.:

                      WIN32:        EDIABAS is automatically closed  
                                      with the application (automatic  
                                      restart)

                      WIN16:        Close EDIABASW.EXE via system  
                      menu  
                                      (automatic re-start)

                      SCO:            Call shell script apiclose  
                                      Call shell script apiboot

                      QNX:            Call shell script apiclose  
                                      Call shell script apiboot

                      Re-start the application program.

Target system:    WIN    SCO    QNX

## **EDIABAS - ERROR REFERENCE**

### **93      SYS-0003: ECU OBJECT FILE ERROR      EDIABAS\_SYS\_0003**

Meaning:            Error when reading the ECU variant description file.  
Causes:            Description file may be damaged or transmission errors occurred while accessing via a network.  
Error correction:   If an error repeatedly occurs, re-compile the description file.  
Target system:    WIN    SCO    QNX

### **94      SYS-0004: ILLEGAL FORMAT OF ECU OBJECT FILE      EDIABAS\_SYS\_0004**

Meaning:            Illegal format of the ECU variant description file.  
Causes:            The description file is damaged.  
Error correction:   Re-compile the description file.  
Target system:    WIN    SCO    QNX

**95      SYS-0005: OBJECT FILE NOT FOUND      EDIABAS\_SYS\_0005**

Meaning:            The ECU description file couldn't be found.

Causes:            Either the description file does not exist in the EDIABAS search path or the search path is wrong.

                     EDIABAS search path:  
                     The EDIABAS configuration element EcuPath describes the EDIABAS search path. If a configuration setting does not exist, the current directory is used by EDIABAS as the search path.

Error correction:   Description file does not exist:  
                     Copy the required description file in the EDIABAS search path.

                     Such path is wrong:  
                     Terminate the application program, and assign the correct path to configuration element EcuPath.  
                     In case the configuration changed, terminate EDIABAS, and re-start.:

                     WIN32:        EDIABAS is automatically closed with the application (automatic restart)

                     WIN16:        Close EDIABASW.EXE via system menu  
   (automatic re-start)

                     SCO:    Call shell script apiclose  
                                 Call shell script apiboot

                     QNX:    Call shell script apiclose  
                                 Call shell script apiboot

                     Re-start the application program.

Target system:    WIN    SCO    QNX

96	SYS-0006: GROUP OBJECT FILE ERROR	EDIABAS_SYS_0006
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Meaning: Error when reading the ECU group description file.

**Causes:** The description file may be damaged or transmission errors occurred when accessing via a network.

Error correction: If the error repeatedly occurs, re-compile the description file.

Target system: WIN SCO QNX

97	SYS-0007: ILLEGAL FORMAT OF GROUP OBJECT FILE	EDIABAS_SYS_0007
----	---	------------------

Meaning: Illegal format of the ECU group description file.

**Causes:** The description file is damaged.

Error correction: Re-compile the description file.

Target system: WIN SCO QNX

## 98      SYS-0008: JOB NOT FOUND      EDIABAS\_SYS\_0008

Meaning: The job couldn't be found in the ECU description file.

**Causes:** The job is missing in the description file, or the description file is wrong.

Error correction: Check if the desired job exists in the description file. The program BESTINFO (contained in the RUNTIME SYSTEM) can be used to list all job names:

bestinfo <Name of the description file with path and extension>

Also check exactly if the job is spelled correct.

If the desired job does not exist in the description file, extend the description file by the job.

Target system: WIN SCO QNX

## **EDIABAS - ERROR REFERENCE**

### **99        SYS-0009: NO INITIALIZATION JOB        EDIABAS\_SYS\_0009**

Meaning:            The job INITIALISIERUNG couldn't be found in the ECU description file.

Causes:            The job INITIALISIERUNG is automatically executed by EDIABAS; however, the job is missing in the description file.

Error correction:   The description file is to be extended by the job INITIALISIERUNG.

Target system:    WIN    SCO    QNX

### **100      SYS-0010: INITIALIZATION ERROR        EDIABAS\_SYS\_0010**

Meaning:            The job INITIALISIERUNG indicates an erroneous initialization.

Causes:            The job INITIALISIERUNG is automatically executed by EDIABAS. Whether the initialization was successful or not is reported with the result DONE:

                      DONE = 0        Error during initialization  
                      DONE <> 0      Successful initialization

An error occurred during the job INITIALISIERUNG. The result DONE was therefore 0.

Error correction:   If an error repeatedly occurs, please contact the developer of the description file.

The program BESTINFO (contained in the RUNTIME SYSTEM) can be used to list the names of the description file developer:

                      bestinfo <Name of the description file with path and extension>

Target system:    WIN    SCO    QNX

**101      SYS-0011: NO IDENTIFICATION JOB      EDIABAS\_SYS\_0011**

Meaning:            The job IDENTIFIKATION couldn't be found in the ECU group description file.

Causes:            The job IDENTIFIKATION is automatically executed by EDIABAS; however, the job is missing in the description file.

Error correction:   The description file is to be extended by the job IDENTIFIKATION.

Target system:    WIN    SCO    QNX

**102      SYS-0012: IDENTIFICATION ERROR      EDIABAS\_SYS\_0012**

Meaning:            The job IDENTIFIKATION in the ECU group description file couldn't identify the ECU variant.

Causes:            The job IDENTIFIKATION is automatically executed by EDIABAS. Whether the identification was a success or not is displayed with the result VARIANTE:

Variant couldn't be identified:  
VARIANTE = <empty>

Variant successfully identified:  
VARIANTE = <Name of the ECU variant description file without extension>

An error occurred during job IDENTIFIKATION. The result VARIANTE was therefore empty.

Error correction:   If an error repeatedly occurs, please contact the developer of the description file.

The program BESTINFO (contained in the RUNTIME SYSTEM) can be used to list the name of the description file developer:  
bestinfo <Name of the description file with path and extension>

Target system:    WIN    SCO    QNX

**103      SYS-0013: UNEXPECTED RESULT      EDIABAS\_SYS\_0013**

Meaning:            An illegal result was returned either in the job IDENTIFIKATION of the ECU group description file or in the job INITIALISIERUNG of the group or variant description file.

Causes:            The job IDENTIFIKATION may only return the result VARIANTE, and the job INITIALISIERUNG may only return the result DONE.

Another result, however, was returned in one of the jobs mentioned.

Error correction:   If an error occurs, please contact the developer of the description file.

The program BESTINFO (contained in the RUNTIME SYSTEM) can be used to list the name of the description file developer:

bestinfo <Name of the description file with path and extension>

Target system:    WIN    SCO    QNX

**104      SYS-0014: ILLEGAL FORMAT      EDIABAS\_SYS\_0014**

Meaning:            The error indicates an illegal EDIABAS program state.

Causes:            A result format cannot be processed.

Error correction:   Not possible by the user. If this error happens to occur, please contact SOFTING.

Target system:    WIN    SCO    QNX



## **EDIABAS** - ERROR REFERENCE

105	SYS-0015: TASK COMMUNICATION ERROR	EDIABAS_SYS_0015
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Meaning: Communication between EDIABAS and the application program is disturbed.

**Causes:** Communication data from the application program is incorrect.

Error correction: If this error repeatedly occurs, re-start the application program. If the error is still not corrected, re-start your system.

Target system: WIN SCO QNX

## **EDIABAS - ERROR REFERENCE**

### **106      SYS-0016: ILLEGAL CONFIGURATION      EDIABAS\_SYS\_0016**

Meaning:              EDIABAS configuration couldn't be executed.

Causes:              An illegal configuration setting resides in the EDIABAS configuration file EDIABAS.INI.

Error correction:    Terminate the application program, and check all EDIABAS configuration settings.

After correcting the configuration, terminate EDIABAS, and re-start:

WIN32:              EDIABAS is automatically closed with the application (automatic restart)

WIN16:              Close EDIABASW.EXE via system menu  
(automatic restart)

SCO: Call shell script apiclose  
Call shell script apiboot

QNX: Call shell script apiclose  
Call shell script apiboot

Re-start the application program.

Target system:    WIN    SCO    QNX

### **107      Reserved for future EDIABAS versions      EDIABAS\_SYS\_0017**

## **EDIABAS - ERROR REFERENCE**

### **108      SYS-0018: END JOB ERROR      EDIABAS\_SYS\_0018**

Meaning:            A processing error occurred in the job ENDE.

Causes:            The job ENDE is automatically executed by EDIABAS. An error occurred while a job was being processed, or a result was returned.

Error correction:    If an error repeatedly occurs, please contact the developer of the description file.

                      The program BESTINFO (contained in the RUNTIME SYSTEM) can be used to list the name of the description file developer:  
                          bestinfo <Name of the description file with path and extension>

Target system:    WIN    SCO    QNX

### **109      SYS-0019: TIMER ERROR      EDIABAS\_SYS\_0019**

Meaning:            Error when requesting a timer by EDIABAS.

Causes:            All timers under Windows are already used by other Windows programs.

Error correction:    Terminate other Windows programs with timer use; e.g. Windows clock programs.

Target system:    WIN    ~~SCO~~    ~~QNX~~

110	SYS-0020: BASE OBJECT FILE NOT FOUND	EDIABAS_SYS_0020
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Meaning: The ECU base description file couldn't be found.

Causes: Either the EDIABAS search path does not exist in the description file, or the search path is wrong.

EDIABAS search path:

The EDIABAS configuration element EcuPath describes the EDIABAS search path. If a configuration setting does not exist, the current directory is assumed by EDIABAS as the search path.

Error correction: Description file does not exist:  
Copy the required description file in the EDIABAS  
search path.

Such path is wrong:

Terminate the application program, and assign the correct path to the configuration element EcuPath.  
If the configuration changed, terminate EDIABAS, and re-start:

WIN32: EDIABAS is automatically closed with the application (automatic restart)

WIN16: Close EDIABASW.EXE via system menu  
(automatic restart)

SCO: Call shell script apiclose  
Call shell script apiboot

QNX: Call shell script apiclose  
Call shell script apiboot

Re-start the application program.

Target system: WIN SCO QNX

## **EDIABAS - ERROR REFERENCE**

### **111      SYS-0021: BASE OBJECT FILE ERROR      EDIABAS\_SYS\_0021**

Meaning:            Error when reading the ECU base description file.  
Causes:            The description file may be damaged, or transmission errors occurred while accessing via a network.  
Error correction:   If the error repeatedly occurs, re-compile the description file.  
Target system:    WIN    SCO    QNX

### **112      SYS-0022: ILLEGAL FORMAT OF BASE OBJECT FILE      EDIABAS\_SYS\_0022**

Meaning:            Illegal format of the ECU base description file.  
Causes:            The description file is damaged.  
Error correction:   Re-compile the description file.  
Target system:    WIN    SCO    QNX

### **113      SYS-0023: PASSWORD ERROR      EDIABAS\_SYS\_0023**

Meaning:            Error when starting the EDIABAS runtime system.  
Causes:            The EDIABAS system was incorrectly installed, or the installation was subsequently changed by manually copying files.  
Error correction:   Re-install EDIABAS.  
Target system:    WIN    SCO    QNX

## **EDIABAS - ERROR REFERENCE**

### **114      SYS-0024: ILLEGAL PASSWORD      EDIABAS\_SYS\_0024**

Meaning:            The ECU description file cannot be executed..

Causes:            The ECU description file is protected with passwords which are not known by the runtime system.

Error correction:    If the description file exists as source code (B2G, B2V), re-compile the description file with a password known by the system.

                      If the description file only exists in object format (GRP, PRG), the error cannot be corrected.

Target system:    WIN    SCO    QNX

### **4.3. API, Application Programming Interface**

#### **120      API-0000: INTERNAL ERROR      EDIABAS\_API\_0000**

Meaning:            The error indicates an illegal EDIABAS program state.  
Causes:            A program result cannot be processed.  
Error correction:   Not possible by the user. If this error happens to occur,  
                         please contact SOFTING.  
Target system:    WIN   SCO   QNX

#### **121      API-0001: USER BREAK      EDIABAS\_API\_0001**

Meaning:            The job was aborted.  
Causes:            The job was aborted by the application program.  
                         Abortion of EDIABAS by the application program  
                         (apiEnd) can also abort a job in progress.  
Error correction:   Please contact the developer of the application  
                         program.  
Target system:    WIN   SCO   QNX

#### **122      API-0002: MEMORY ALLOCATION      EDIABAS\_API\_0002**                          ERROR

Meaning:            Not enough working memory (RAM).  
Causes:            The working memory does not suffice for the results  
                         returned from the job.  
Error correction:   If this error repeatedly occurs, terminate other  
                         application programs in order to increase the working  
                         memory available.  
Target system:    WIN   SCO   QNX

**123      API-0003: RESULT SETS OVERFLOW      EDIABAS\_API\_0003**

Meaning:            The job returns too many result records.

Causes:            The maximum possible number of result records comprises 65535. Too many result records were returned from the job.

Error correction:   Reduce the number of result records in the job.

                      If applicable, contact the developer of the description file.

                      The program BESTINFO (contained in the RUNTIME SYSTEM) can be used to list the name of the description file developer:

                             bestinfo <Name of the description file with path and extension>

Target system:    WIN    SCO    QNX

**124      API-0004: RESULTS OVERFLOW      EDIABAS\_API\_0004**

Meaning:            The job returned too many results.

Causes:            The maximum possible number of results within a result record is limited to 65535. From the job, too many results were returned within a record set.

Error correction:   Reduce the number of results within the result record.

                      If applicable, please contact the developer of the description file.

                      The program BESTINFO (contained in the RUNTIME SYSTEM) can be used to list the name of the description file developer:

                             bestinfo <Name of the description file with path and extension>

Target system:    WIN    SCO    QNX



## **EDIABAS - ERROR REFERENCE**

### **125      API-0005: ILLEGAL RESULT FORMAT      EDIABAS\_API\_0005**

Meaning:            Illegal result format.

Causes:            A result cannot be converted into the format desired by the application program. This is the case when arbitrary formats are converted from or into the APIBINARY format. Also, an error can occur when converting a value from or into the APITEXT format.

Error correction:   Please contact the developer of the application program for matching the result format to the description file (or vice versa).

Target system:    WIN    SCO    QNX

### **126      API-0006: ACCESS DENIED      EDIABAS\_API\_0006**

Meaning:            Access of the application to EDIABAS is currently not possible.

Causes:            At the time no further application programs can access EDIABAS.

Error correction:   If this error repeatedly occurs, terminate a program with access to EDIABAS.

Target system:    WIN    SCO    QNX

**127      API-0007: INCORRECT      EDIABAS\_API\_0007**  
**CONFIGURATION FILE**

Meaning:            Error when reading configuration file ipc.ini, or application program uses an old version of API library.

Causes:            The path of configuration file ipc.ini must be stored in the environment variable IPC\_CONFIG (only with SCO UNIX).

The error occurs with wrong or unassigned environment variable IPC\_CONFIG. Also, the error then occurs when the configuration file ipc.ini does not exist in the path specified by the environment variable IPC\_CONFIG. The error also occurs when the application program uses an old version of API library.

Error correction: Check the assignment of the environment variable IPC\_CONFIG. When the environment variable IPC\_CONFIG is properly set, check if configuration file ipc.ini exists. Your application program must contain read access to configuration file IPC.INI and a compatible version of the API library.

Start EDIABAS with **apiboot**.

Target system: ~~WIN~~   SCO   ~~QNX~~

## ***EDIABAS*** - ERROR REFERENCE

128	API-0008: TASK COMMUNICATION ERROR	EDIABAS_API_0008
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Meaning: Communication between the application program and EDIABAS is disturbed.

**Causes:** Communication data from EDIABAS are erroneous, or the communication medium is damaged. If EDIABAS does not respond within a specified time, this error is also issued.

Error correction: If this error repeatedly occurs, re-start the application program. If the error is still not corrected, re-start your system.

Target system: WIN SCO QNX

## **EDIABAS - ERROR REFERENCE**

### **129      API-0009: EDIABAS NOT FOUND      EDIABAS\_API\_0009**

Meaning:            EDIABAS is not installed or cannot be found.

Causes:            Before an application program accesses EDIABAS, this must be installed on your system. EDIABAS must be started prior to starting an application program.

                      The error occurred due to a fail start of EDIABAS.

Error correction:   Terminate the application program, and check whether EDIABAS is correctly installed on your system

                      Start EDIABAS if this has not already been done:

                          WIN: Occurs automatically

                          SCO: Call shell script apiboot

                          QNX: Call shell script apiboot

                      Re-start your application program.

Target system:    WIN    SCO    QNX

### **130      API-0010: ILLEGAL EDIABAS VERSION      EDIABAS\_API\_0010**

Meaning:            Wrong EDIABAS version installed.

Causes:            The application requires a different EDIABAS version than that which is installed.

Error correction:   Install the required EDIABAS version.

                      If applicable, contact the developer of the application program.

Target system:    WIN    SCO    QNX

## **EDIABAS - ERROR REFERENCE**

### **131      API-0011: ILLEGAL ECU PATH      EDIABAS\_API\_0011**

Meaning:            Illegal ECU path.

Causes:            The configuration element EcuPath is assigned with an invalid path

Error correction:   Terminate the application program, and correct the environment variable ECU.

Target system:    WIN   SCO   QNX

### **132      API-0012: SIGNAL SERVER NOT FOUND      EDIABAS\_API\_0012**

Meaning:            The signal server is still not installed.

Causes:            Before an application accesses EDIABAS, this must first be installed on your system. Before the application program is started, the signal server (only under QNX) must be started in addition to EDIABAS.

Error correction:   Terminate the application program, and check whether EDIABAS is properly installed on your system

                      Start EDIABAS and the signal server (only necessary under QNX) if this has not already been done:

                          Call shell script apiboot

                          Re-start your application program.

Target system:    ~~WIN~~   SCO   QNX

### **133      API-0013: INITIALIZATION ERROR      EDIABAS\_API\_0013**

Meaning:            Error in initializing EDIABAS.

Causes:            The application program did not initialize EDIABAS (apilnit/apilnitExt) prior to accessing EDIABAS.

Error correction:   Please contact the developer of the application program.

Target system:    WIN   SCO   QNX

## **EDIABAS - ERROR REFERENCE**

### **134      API-0014: RESULT NOT FOUND      EDIABAS\_API\_0014**

Meaning:            Error interrogating a result.

Causes:            The result requested from the application program was not returned in the required result record by the job.

Error correction:   Add result in the result record.  
                         If applicable, contact the developer of the application program.

Target system:    WIN    SCO    QNX

135	API-0015: HOST COMMUNICATION ERROR	EDIABAS_API_0015
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Meaning: Communication between API.DLL and EDIABAS is disturbed.

**Causes:** Communication data from EDIABAS are erroneous, or the communication medium is damaged. If EDIABAS does not respond within a specified time, this error is also issued.

Error correction: If this error repeatedly occurs, re-start the application program. If the error has still not been corrected, re-start your system.

Target system: WIN ~~SCO~~ ~~QNX~~

## **EDIABAS - ERROR REFERENCE**

### **4.4. Network**

#### **150      NET-0000: INTERNAL ERROR                      EDIABAS\_NET\_0000**

Meaning:            The error indicates an illegal program EDIABAS state.  
Causes:            A program result cannot be processed.  
Error correction:   Not possible by the user. If this error happens to occur,  
                         please contact SOFTING.  
Target system:    WIN   ~~SCO~~   ~~QNX~~

#### **151      NET-0001: UNKNOWN ERROR                      EDIABAS\_NET\_0001**

Meaning:            Unknown error.  
Causes:            Network communication is disturbed.  
Error correction:   If this error repeatedly occurs, re-start the application  
                         program. If this error is still not corrected, re-start your  
                         system.  
Target system:    WIN   ~~SCO~~   ~~QNX~~

#### **152      NET-0002: ILLEGAL VERSION                      EDIABAS\_NET\_0002**

Meaning:            Illegal version of NET<Protocol>32.DLL.  
Causes:            The version of NET<Protocol>32.DLL does not match  
                         the version of the EDIABAS components  
                         XREMOT32.DLL or IFHSRV32.EXE.  
Error correction:   Re-install the required EDIABAS version.  
Target system:    WIN   ~~SCO~~   ~~QNX~~



## **EDIABAS - ERROR REFERENCE**

### **153      NET-0003: INITIALIZATION ERROR      EDIABAS\_NET\_0003**

Meaning:            Error when initializing the network.  
Causes:            The network software cannot be simultaneously  
                      operated by several clients (EDIABAS and BestView).  
Error correction:   Terminate EDIABAS or BestView.  
Target system:    WIN   ~~SCO~~   ~~QNX~~

### **154      NET-0004: ILLEGAL CALL      EDIABAS\_NET\_0004**

Meaning:            The error indicates an illegal EDIABAS program state.  
Causes:            A program result cannot be processed.  
Error correction:   Not possible by the user. If this error still happens to  
                      occur, please contact SOFTING.  
Target system:    WIN   ~~SCO~~   ~~QNX~~

### **155      NET-0005: NO SUPPORT      EDIABAS\_NET\_0005**

Meaning:            The error indicates an illegal EDIABAS program state.  
Causes:            A program result cannot be processed.  
Error correction:   Not possible by the user. If this error still happens to  
                      occur, please contact SOFTING.  
Target system:    WIN   ~~SCO~~   ~~QNX~~

## **EDIABAS - ERROR REFERENCE**

### **156      NET-0006: ACCESS DENIED      EDIABAS\_NET\_0006**

Meaning:            The network access is denied.

Causes:            The network software cannot be simultaneously operated by the client (EDIABAS or BestView) and server (IFH-Server).

Error correction:   Check the value of the EDIABAS configuration element **Interface**, and terminated the client or server.

Target system:    WIN   SCO   QNX

### **157      NET-0007:SYSTEM ERROR      EDIABAS\_NET\_0007**

Meaning:            Resource problem of the operating system.

Causes:            The applications require too many system resources.

Error correction:   If this error repeatedly occurs, terminate other application programs. If this error is still not corrected, re-start your system.

Target system:    WIN   SCO   QNX

### **158      NET-0008: NETWORK ERROR      EDIABAS\_NET\_0008**

Meaning:            General network problem.

Causes:            The network cannot be correctly operated.

Error correction:   If this error repeatedly occurs, re-start the application program. If this error is still not corrected, re-start your system.

Target system:    WIN   SCO   QNX

## **EDIABAS - ERROR REFERENCE**

### **159      NET-0009: TIMEOUT      EDIABAS\_NET\_0009**

Meaning:            Communication partner does not respond.

Causes:            The communication setup or the communication with the communication partner is not possible.

                      The communication partner is known in the network.

Error correction: Check the transmission medium.

                      Check whether the communication partner properly runs.

                      Check whether the IFH server runs on the system of the communication partner.

                      Check whether the EDIABAS configuration element **Port** of the communication partner agrees with the own system.

                      If this error continues to occur, re-start the application.

Target system:    WIN    SCO    QNX

### **160      NET-0010: BUFFER OVERFLOW      EDIABAS\_NET\_0010**

Meaning:            The error indicates an illegal EDIABAS program state.

Causes:            A program result cannot be processed.

Error correction: Not possible by the user. If this error happens to occur, please contact SOFTING.

Target system:    WIN    SCO    QNX

## **EDIABAS - ERROR REFERENCE**

### **161      NET-0011: ALREADY CONNECTED      EDIABAS\_NET\_0011**

Meaning:              Communication could not be established.

Causes:                The connection to the communization partner is already established.

Error correction:    If this error repeatedly occurs, re-start the application program. If the error is still not corrected, re-start your system.

Target system:      WIN    SCO    QNX

### **162      NET-0012: NO CONNECTION      EDIABAS\_NET\_0012**

Meaning:              No connection to the communication partner.

Causes:                Communication with the communication partner is not possible, since no connection exists.

Error correction:    If this error repeatedly occurs, re-start the application program. If the error is still not corrected, re-start your system.

Target system:      WIN    SCO    QNX

### **163      NET-0013: CONNECTION DISTURBED      EDIABAS\_NET\_0013**

Meaning:              Connection to the communication partner disturbed.

Causes:                Communication with the communication partner is disturbed.

Error correction:    Check the transmission medium.  
Check whether the communication partner properly runs.  
If the error is still not corrected, re-start your system

Target system:      WIN    SCO    QNX

## **EDIABAS - ERROR REFERENCE**

### **164      NET-0014: CONNECTION ABORTED      EDIABAS\_NET\_0014**

Meaning:            No connection to the communication partner.  
Causes:            Communication was aborted by the communication partner.  
Error correction: Check the communication partner, and re-start the application program.  
Target system:    WIN   ~~SCO~~   ~~QNX~~

### **165      NET-0015: HOST NOT FOUND      EDIABAS\_NET\_0015**

Meaning:            The other communication partner or its network address couldn't be found.  
Causes:            Invalid EDIABAS configuration element **RemoteHost**.  
Error correction: Check the EDIABAS configuration element **RemoteHost**, and re-start the application program  
Target system:    WIN   ~~SCO~~   ~~QNX~~

### **166      NET-0016: HOST ERROR      EDIABAS\_NET\_0016**

Meaning:            Communication partner couldn't be reached.  
Causes:            Communication setup or communication with the communication partner is not possible.  
                      The communication partner is known in the network.  
Error correction: Check whether the communication partner properly runs.  
                      Check the EDIABAS configuration element **Port**.  
Target system:    WIN   ~~SCO~~   ~~QNX~~

**167      NET-0017: PROTOCOL NOT AVAILABLE      EDIABAS\_NET\_0017**

Meaning:            Protocol or network manager NET<Protocol>32.DLL not available.

Causes:            Erroneous EDIABAS configuration element **NetworkProtocol** or missing NET<Protocol>32.DLL in the EDIABAS\program directory.

Error correction: Check the EDIABAS configuration element **NetworkProtocol**.

EDIABAS must be re-installed with the correct configuration value.

Target system:    WIN   SCO   QNX

**168      NET-0018: UNKNOWN PROTOCOL      EDIABAS\_NET\_0018**

Meaning:            Unknown network protocol.

Causes:            Unassigned EDIABAS configuration element **NetworkProtocol**.

Error correction: Assign the network protocol to be used (e.g. TCP for TCP/IP) to the EDIABAS configuration element **NetworkProtocol**.

Target system:    WIN   SCO   QNX

**169      NET-0019: UNKNOWN SERVICE      EDIABAS\_NET\_0019**

Meaning:            Unknown network service or port.

Causes:            Unassigned EDIABAS configuration element **Port**.

Error correction: Assign the port number to be used to the EDIABAS configuration element **Port**. The port number of the communication partner must agree with that of the own system

Target system:    WIN   SCO   QNX

## **EDIABAS - ERROR REFERENCE**

### **170      NET-0020: UNKNOWN HOST      EDIABAS\_NET\_0020**

Meaning:            Unknown communication partner.

Causes:            Unassigned    EDIABAS    configuration    element  
**RemoteHost.**

Error correction:   Assign the host name or the host address of the  
communication partner to the EDIABAS configuration  
element **RemoteHost.**

Target system:    WIN    SCO    QNX

### **171      NET-0021: SERVER NOT FOUND      EDIABAS\_NET\_0021**

Meaning:            Communication partner is not available.

Causes:            IFH server not running

Error correction:   Check IFH server is running

Target system:    ~~WIN~~    SCO    ~~QNX~~

### **172      NET-0022: SECURITY ERROR      EDIABAS\_NET\_0022**

Meaning            During communication a security problem occurred

Causes:            Missing access rights

Error correction:   Check access rights

Target system:    ~~WIN~~    SCO    ~~QNX~~

## **EDIABAS - ERROR REFERENCE**

### **4.5. Applikation**

<b>250</b>	<b>RUN-0000</b>	<b>EDIABAS_RUN_0000</b>
..	..	..
<b>349</b>	<b>RUN-0099</b>	<b>EDIABAS_RUN_0099</b>

Meaning: No valid status in SGBD.

Causes: Error was set by SGBD.

Error correction: Contact the devolper of the ECU description file.

Target system: WIN SCO QNX



## ***EDIABAS*** - ERROR REFERENCE

### **A. References**

- [1] EDIABAS: API Interface Description
- [2] EDIABAS: User Manual