European Tool Set
DCS Loader Version 3.xx
User's Guide
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1 Introduction

1.1 About this document

The main chapters of this document discuss the following topics:

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<tr>
<th>Chapter</th>
<th>Brief description</th>
</tr>
</thead>
</table>
| 1       | Introduction (dieses Kapitel)  
General information that you need to know  
The concepts underlying the DCS Loader |
| 2       | Starting the DCS Loader  
How to start the DCS Loader, how to work efficiently and how to get help |
| 3       | Working with the DCS Loader  
How to load a configuration in the DCS  
How to download a DCS configuration from the server  
How to execute special commands |
| 4       | Error messages / Troubleshooting  
Error messages output by the DCS Loader and how to process them |
| 5       | Detailed information for users  
How to connect the PC with the server  
How to install the DCS Loader and listing of the requirements |
| 6       | Detailed information for Tool managers  
Which files exist and what kind of settings are possible |

Additional documents
- PRVCONF User's Guide (order number: CM2U8375E)
- VISONIK Upload User's Guide  
(Order No: CM2U8370E)
- New VISOTOOL Editor User's Guide  
(Order No: CM2B8361E).
1.2  Field of application

Why a DCS Loader?
The DCS Loader is a DOS program for the following fields of application:

• Loading a DCS configuration in the VISONIK server
• Download and write to a file the DCS configuration from the VISONIK server
• Execute special commands in the DCS

Two types of files must be distinguished:

• Project-specific data:
  – Technical addresses
  – User addresses
  – Texts (TXI, TXU, TXC)
  – Module types

• Standard data (e.g., standard texts)

Link to the VISONIK server
The DCS Loader communicates via a V.24 connection or via modem.

On internal networks at the Divisional Units, the program can also be used via the network (Pipe).
1.3 Concept for downloading

**Purpose**
Downloading to the DCS a configuration created in ETS.

**Functioning**
The DCS Loader first creates a *.CMD file from the *.VIS file. Then, the DCS Loader opens the Data Communication Tool (DCT) which conducts the actual loading procedure.

![Diagram showing the process of downloading](image-url)
1.4 Concept for uploading

Purpose
Writing the DCS configuration to a file that can be processed in ETS.

Functioning
The DCS Loader first creates a *.CMD file from the *.ETS file. Then, the Data Communication Tool (DCT) sends the commands to the DCS where they are executed. The output is then written to a *.DCS file.

Note
You can define the output file and the technical address range to be read.

Example:
Address range: $d2* .. $191* ➔ all controllers
### 1.5 Concept for executing commands

**Purpose**
Executing commands such as deleting text catalogues in the VISONIK server.

**Functioning**
The DCS Loader first creates a *.CMD file from the command file. Then, the Data Communication Tool (DCT) sends the commands to the DCS where they are executed. The output is then written to an *.RPT file.

![Diagram of the concept for executing commands](image-url)
## 2 Starting the DCS Loader

### 2.1 Starting

#### In Windows

Double-click the DCS Loader icon.

#### In DOS

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Change to the DCS Loader directory</td>
</tr>
<tr>
<td>2</td>
<td>Enter the following command: <code>DCS_LOAD</code></td>
</tr>
</tbody>
</table>
2.2 Structure of the window

The DCS Loader window

After starting the DCS Loader, the window contains the following information:

<table>
<thead>
<tr>
<th>Range</th>
<th>Entries</th>
<th>Input file</th>
<th>Temp. command file</th>
<th>Command input file</th>
<th>Temp. command file</th>
<th>Information on communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Downloading</td>
<td>*.VIS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>*.CMD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uploading</td>
<td>*.ETS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>*.CMD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>*.DCS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DCS Command</td>
<td>*<em>.</em></td>
<td>Command input file</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>*.CMD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2.3 Working efficiently

Help texts
The DCS Loader provides context-sensitive help. Access this help as follows:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Highlight entry field or action.</td>
</tr>
<tr>
<td>2</td>
<td>Press &lt;F1&gt;</td>
</tr>
</tbody>
</table>

Function keys
You can easily and quickly carry out various actions in the DCS Loader window by pressing the function keys:

<table>
<thead>
<tr>
<th>Key</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;F1&gt;</td>
<td>Opens context-sensitive help for the highlighted entry field or action.</td>
</tr>
<tr>
<td>&lt;F2&gt;</td>
<td>Starts downloading</td>
</tr>
<tr>
<td>&lt;F3&gt;</td>
<td>Starts uploading</td>
</tr>
<tr>
<td>&lt;F4&gt;</td>
<td>Starts DCS commands</td>
</tr>
<tr>
<td>&lt;F5&gt;</td>
<td>Opens a window to select a partner.</td>
</tr>
<tr>
<td>&lt;F6&gt;</td>
<td>Opens a text editor with the error file (*.ERR).</td>
</tr>
<tr>
<td>&lt;F8&gt;</td>
<td>Opens a window for selecting an *.MSG file (on language selection).</td>
</tr>
<tr>
<td>&lt;F9&gt;</td>
<td>Opens the text editor.</td>
</tr>
</tbody>
</table>
## 2.4 Examining/editing files

### Introduction
In some cases (e.g. on troubleshooting), examining or editing certain files may be useful.

### Define editor
Before you can examine a file, you must define a text editor.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Select “File / Editor Definition”.</td>
</tr>
<tr>
<td>2</td>
<td>Enter path and file name of the editor or Press &lt;F8&gt; and select the file in the file selection window.</td>
</tr>
</tbody>
</table>

### Examining and editing a file
You can open all files you want to examine or edit directly from the DCS Loader; for example: *.VIS / *.CMD / *.ERR / *.LOG / *.REP / *.TRC / DCT.PRF.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Press the respective function key and select the desired file or Highlight the file in the window.</td>
</tr>
<tr>
<td>2</td>
<td>Select “File / Edit”.</td>
</tr>
<tr>
<td>3</td>
<td>Enter the desired changes.</td>
</tr>
<tr>
<td>4</td>
<td>Save the file and exit the editor.</td>
</tr>
</tbody>
</table>
2.5  Exit

Select "File / Exit" or press <Esc>. Confirm the message "Exit DCS_LOAD program" by "Yes".

**Note**

You cannot exit the program by choosing "Exit" while communicating with the VISONIK server.

To do this, stop communication with the server via <Ctrl + Break> and by confirming with <y> the message prompt that appears after 5 seconds.
3 Working with the DCS Loader

3.1 General prerequisites

In order to properly work with the DCS Loader, the following prerequisites must be met:

- Correct settings in the VISONIK server
  (see chapter 5.1.1)
- Inspect the connection between the PC and the DCS.
  (see chapter 5.2)
- Correct installation of the DCS Loader.
  (see chapter 5.3)
- Complete language entries in the DCS_L.CAT file.
  (see chapter 6.2)
- Correct partner definition in DCT.PRF.
  (see chapter 6.6)
3.2 Downloading

3.2.1 Special prerequisites

In order to correctly load a configuration to the DCS using the DCS Loader, the following additional prerequisites must be met:

- Correct language setting in the VISONIK.INI file in the European Toolset prior to working with PRVCONF. (see chapter 5.1.1)
- Correct settings on compiling in PRVCONF. (see chapter 5.1.2)
3.2.2 Workflow

Proceed as follows to load a configuration:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Start DCS_LOAD.</td>
</tr>
<tr>
<td>2</td>
<td>Select the *.VIS file</td>
</tr>
<tr>
<td>3</td>
<td>Select a partner.</td>
</tr>
<tr>
<td>4</td>
<td>Enter your user name and password</td>
</tr>
<tr>
<td>5</td>
<td>Start communication.</td>
</tr>
</tbody>
</table>

The Data Communication Tool (DCT) now establishes communication with the DCS. Then, the respective files are loaded and the possibly required parameterization is conducted.

If set accordingly, you can observe the entire procedure in an information window.

After completing the task, the DCS Loader issues a message on whether it finished the task successfully or not.

Note

You can stop the loading procedure at any time by pressing <Ctrl + Break> and by confirming with <y> the message prompt that appears after 5 seconds.

However, stop this procedure only in emergencies, as repeated loading triggers an error message for any previously generated point.

If no errors occur

If the DCS Loader does not indicate any errors, close the information window via [ Ok ].

You can then exit the program.
If errors occur

If errors occurred, the DCS Loader issues a message indicating the number of errors in the information window. A second window shows the file with the list of the found error (*.ERR), or an excerpt thereof.

If this applies, proceed as follows:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Close the information window via [Ok].</td>
</tr>
<tr>
<td>2</td>
<td>Press &lt;F6&gt; to open the text editor with the error list (*.ERR).</td>
</tr>
<tr>
<td>3</td>
<td>Correct the error.</td>
</tr>
</tbody>
</table>

When correcting errors, proceed as described in chapter 4, "Error messages / Troubleshooting".
3.3 Uploading

3.3.1 Workflow

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Start DCS_LOAD.</td>
</tr>
<tr>
<td>2</td>
<td>Select the input file (*.ETS)</td>
</tr>
<tr>
<td>3</td>
<td>Enter path and name of the file to which you want to write the data.</td>
</tr>
<tr>
<td>4</td>
<td>Enter the address range from which you want to copy the data.</td>
</tr>
<tr>
<td>5</td>
<td>Select a partner.</td>
</tr>
<tr>
<td>6</td>
<td>Enter your user name and password</td>
</tr>
<tr>
<td>7</td>
<td>Start communication.</td>
</tr>
</tbody>
</table>

The Data Communication Tool (DCT) now establishes communication with the DCS. The data are written to the indicated *.DCS file.

After completing the task, the DCS Loader issues a message on whether it finished the task successfully or not.

*Note* You can stop communication at any time by pressing <Ctrl + Break> and by confirming with <y> the message prompt that appears after 5 seconds.

*If no errors occur* If the DCS Loader does not indicate any errors, close the information window via [ Ok ].

You can then exit the program.
If errors occur

If errors occurred, the DCS Loader issues a message indicating the number of errors in the information window. A second window shows the file with the list of the found error (*.ERR), or an excerpt thereof.

If this applies, proceed as follows:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Close the information window via [Ok].</td>
</tr>
<tr>
<td>2</td>
<td>Press &lt;F6&gt; to open the text editor with the error list (*.ERR).</td>
</tr>
<tr>
<td>3</td>
<td>Correct the error.</td>
</tr>
</tbody>
</table>

⚠️ When correcting errors, proceed as described in chapter 4, "Error messages / Troubleshooting".

24/92

Siemens Building Technologies  DCS-Loader  CM2U8373E
Landis & Staefa Division  Working with the DCS Loader  09.08.1999
3.4 Executing commands

3.4.1 Workflow

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Start DCS_LOAD.</td>
</tr>
<tr>
<td>2</td>
<td>Select the command file.</td>
</tr>
<tr>
<td>3</td>
<td>Select a partner.</td>
</tr>
<tr>
<td>4</td>
<td>Enter your user name and password</td>
</tr>
<tr>
<td>5</td>
<td>Start communication.</td>
</tr>
</tbody>
</table>

The Data Communication Tool (DCT) now establishes communication with the DCS and executes the commands. Any output is written to the indicated file (see chapter 6.10). After completing the task, the DCS Loader issues a message on whether it finished the task successfully or not.

Example

<table>
<thead>
<tr>
<th>File</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTXIV14G.TSK</td>
<td>Deletes all texts in the TXIg, TXIm and TXIp text catalogues. As a result, no old texts exist on reloading.</td>
</tr>
</tbody>
</table>

Note

You can stop communication at any time by pressing <Ctrl + Break> and by confirming with <y> the message prompt that appears after 5 seconds.

If no errors occur

If the DCS Loader does not indicate any errors, close the information window via [ Ok ]. You can then exit the program.
If errors occur

If errors occurred, the DCS Loader issues a message indicating the number of errors in the information window. A second window shows the file with the list of the found error (*.ERR), or an excerpt thereof.

If this applies, proceed as follows:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Close the information window via [Ok].</td>
</tr>
<tr>
<td>2</td>
<td>Press &lt;F6&gt; to open the text editor with the error list (*.ERR).</td>
</tr>
<tr>
<td>3</td>
<td>Correct the error.</td>
</tr>
</tbody>
</table>

When correcting errors, proceed as described in chapter 4, “Error messages / Troubleshooting”. 
### 3.5 General settings

#### 3.5.1 Workflow

Complete the entry fields as follows:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Select the partner number to define the communication type (direct, pipe or modem).</td>
</tr>
<tr>
<td>2</td>
<td>Enter the system name. (This name must match that in the DCS.)</td>
</tr>
<tr>
<td>3</td>
<td>Select the text catalogue language.</td>
</tr>
</tbody>
</table>
| 4    | Enter the interface parameter at “COM_PORT Sequence”:

  - `com` = Interface (com 1…com4)
  - `bd` = Baud rate (75,..9600 bps)
  - `mk` = Modem class
    - Default 0 (no modem)

  Example: `;com=com1;bd=9600;mk=0.` |
| 5    | Enter the partner sequence for the DCS selection (in a linked system):

  - `lu` = DCS parameter LUS
    - for V12 and higher: 0 (Default)
    - for V10: 156
  - `mu` = Modem connections
    - Default 0 (no modem)

  Example: `;lu=0;mu=0.` |
If the partner has already been defined, proceed as follows:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Press <code>&lt;F5&gt;</code>.</td>
</tr>
</tbody>
</table>
| 2    | Select the correct partner in the partner selection window and press `<Enter>`. This overwrites the following parameters:  
  - System name  
  - Partner number  
  - Interface (COM_PORT sequence)  
  - Partner sequence |
| 3    | Select the text catalogue language. |
## 4 Error messages / Troubleshooting

<p>| Error message testing procedure | 1. The DCS Loader first tests the file. If the test is not successful, the following error message appears: |</p>
<table>
<thead>
<tr>
<th>Error message</th>
<th>Cause, Troubleshooting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wrong or empty file</td>
<td>On testing the file, the DCS Loader did not find the correct keyword. Select the correct file.</td>
</tr>
</tbody>
</table>

2. Then, the input file is converted to a *.CMD file. If errors occur, communication is not started.
   ⇒ See 4.1, “Conversion errors of the DCS Loader”.

3. The DCT first checks the partner and applies additional stop criteria to downloading before starting communication. If the DCT locates errors, communication errors or warning messages appear.
   ⇒ See 4.2, “DCT communication errors”.
4.1 Conversion errors of the DCS Loader

General
When the DCS Loader issues the error message "Conversion errors/warnings", errors occurred already on conversion of the input file to a *.CMD file. Communication is not started.

Contents of the *.ERR file
The *.ERR file has the same file name as the corresponding input file.

The *.ERR file appears as follows:

<table>
<thead>
<tr>
<th>Time</th>
<th>Date</th>
<th>Path</th>
<th>Error Code</th>
<th>Line</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:22:10</td>
<td>22.02.96</td>
<td>K:\DCS_LOAD\DCS_L.VIS</td>
<td>E=12</td>
<td>66</td>
<td>Error: missing =&gt; '=' [BEGIN_GEN]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TA$o14'000,CTYP=MW,NAME=&quot;1'P32'W'000&quot;ZUL&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>E=16</td>
<td>67</td>
<td>Parameter not found ! CTYP [BEGIN_PAR]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TA=$o14'005,CTYP=MW,NAME=&quot;1'P32'W'005&quot;ZUL&quot;</td>
</tr>
</tbody>
</table>

Error number E
Line number in the *.VIS file

Errors 12 and 16 were located in lines 66 and 67 of the *.VIS file. The DCS Loader establishes communication only if no conversion errors exist.

Correct the error
The document DCS_L_GE.TXT contains a list of possible errors.

Proceed as follows for troubleshooting:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Exit DCS Loader</td>
</tr>
<tr>
<td>2</td>
<td>Open the *.VIS file in the text editor.</td>
</tr>
<tr>
<td>3</td>
<td>Correct the error.</td>
</tr>
<tr>
<td>4</td>
<td>Save the file.</td>
</tr>
<tr>
<td>5</td>
<td>Restart the DCS Loader and communication.</td>
</tr>
</tbody>
</table>
4.2 DCT communication errors

General  If the DCS issues the message "Error, communication aborted" or "Communication errors/warnings", problems occurred on connecting the DCT with the partner.

Contents of the *.ERR file  The *.ERR file has the same file name as the corresponding input file.

The *.ERR file appears as follows:

<table>
<thead>
<tr>
<th>Time</th>
<th>Date</th>
<th>File Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:42:54</td>
<td>11.03.96</td>
<td>DCS_LOAD.EXE V2.16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>====&gt; Conversion errors/warnings= 0/0</td>
</tr>
<tr>
<td>09:44:29</td>
<td>11.03.96</td>
<td>DCT.EXE V2.16</td>
</tr>
<tr>
<td>E=4</td>
<td>Error, Communication aborted ! =&gt; DCT.REP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>[PARTNER_2] NEPTUN 11.3.1996 09:44:59</td>
<td>Connection trouble with partner!</td>
</tr>
<tr>
<td></td>
<td>====&gt; Communication errors/warnings= 1/0</td>
<td></td>
</tr>
</tbody>
</table>

Meaning: E  Error number

The DCT attempts to establish a connection to “[PARTNER_2] NEPTUN” (DCT.PRF file). Communication was interrupted because of the reason as listed under error number 4.

Refer to the chapter below for a list of all communication errors.

Further help  The DCT always generates a report file (DCT.REP in the ...\DCS_LOAD folder). Open this file for detailed information on the errors.

Additionally, you can also create a trace file. Refer to chapter 6.12.3, "Trace files" for information on creating trace files.
Proceed as follows for troubleshooting:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Exit DCS Loader</td>
</tr>
<tr>
<td>2</td>
<td>Open the input file in the text editor.</td>
</tr>
<tr>
<td>3</td>
<td>Correct the error.</td>
</tr>
<tr>
<td>4</td>
<td>Save the file.</td>
</tr>
<tr>
<td>5</td>
<td>Restart the DCS Loader and communication.</td>
</tr>
</tbody>
</table>
### 4.2.1 List of communication errors and warnings

<table>
<thead>
<tr>
<th>Error number/Error message</th>
<th>Cause, comment on eliminating the error</th>
</tr>
</thead>
<tbody>
<tr>
<td>W=1 Warning from DCS</td>
<td>The associated command line was executed, but the DCS issues a warning. Refer to the REPORT file DCT.REP for more information (see chapter 6.12.2).</td>
</tr>
<tr>
<td>W=6 Skipped command line</td>
<td>The associated command line was skipped without checking because of an error message in the previous line.</td>
</tr>
<tr>
<td>E=2 Unknown parameter in the command line</td>
<td>The associated command line contains an unknown parameter.</td>
</tr>
<tr>
<td>E=3 No or wrong serial connection cable (V24)</td>
<td>Check the plugs for proper connection and compare the wiring to the drawing in chapter 5.2.</td>
</tr>
<tr>
<td>E=3 Incorrect baud rate</td>
<td>Correctly set parameter &quot;bd&quot; at the &quot;COM_PORT Sequence&quot; entry. Permissible values: 75...9600.</td>
</tr>
<tr>
<td>E=3 Incorrect communication report at DCS Server</td>
<td>Set parameter COMP for the used DCS interface to &quot;Teletype&quot;. Example: $Ty5,COMP,Teletype</td>
</tr>
<tr>
<td>E=3 DCS Server is a Masterplatte</td>
<td>Do not set entry “Masterplatte (boot without rings)” in SYS,PROJ.</td>
</tr>
<tr>
<td>E=4 Connection problem with the partner</td>
<td>There are several causes that trigger this error. The most common causes in brief are explained below.</td>
</tr>
<tr>
<td>(E=4) Incorrect communication interface</td>
<td>Correctly set parameter &quot;com&quot; at the &quot;COM_PORT Sequence&quot; entry. Permissible values: com1...com4</td>
</tr>
<tr>
<td>Error number/Error message</td>
<td>Cause, comment on eliminating the error</td>
</tr>
<tr>
<td>---------------------------</td>
<td>--------------------------------------</td>
</tr>
<tr>
<td>(E=4) Incorrect system-specific number</td>
<td>Select the correct communication partner or check its system number (parameter “lu”) at entry “PARTNER”. Permissible values for “lu”: 0...255, decimal</td>
</tr>
<tr>
<td>(E=4) DCS does not recognise the DCT_ID</td>
<td>For correct communication, the DCS must recognise the DCT_ID (PARTNER_N section). If this is not true, request a DCS update.</td>
</tr>
<tr>
<td>(E=4) DCS is not properly set</td>
<td>Set parameter TYX for the used DCS interface to &quot;ITTY&quot;. Example: $Ty5, TYX=ITTY</td>
</tr>
<tr>
<td>(E=4) DCS channel is incorrectly configured</td>
<td>The channel was previously configured for another unit (substation, ECU, etc.). Set parameter LUS in the DCS to value &quot;0&quot;. Check (example): Ctrl P - SER,$Ty5&lt;Enter&gt;. If LUS&lt;&gt;0, i.e., for example LUS=00$267 Newly set to “0”: Ctrl P - $267'CO,LUS,0&lt;Enter&gt;</td>
</tr>
<tr>
<td>(E=4) Incorrect DCS version</td>
<td>The communication program runs only on DCS versions from 8.16, 10.16 and V12. Request a server update.</td>
</tr>
<tr>
<td>(E=4) DCS access level is too low</td>
<td>Define a user with function level 7/7 on the DCS for the DCS Loader.</td>
</tr>
<tr>
<td>E=7/8 Wrong initials or password</td>
<td>Make sure that the initials and the password match the definition in the DCS.</td>
</tr>
<tr>
<td>E=9 Incomplete data</td>
<td>In the DCS Loader window select &quot;Option / DCT SYSTEM Parameter&quot; and set the data timeout to min. 200 seconds. Add the following: dat_=t=200;</td>
</tr>
<tr>
<td>E=10 Read or write error of the transfer file in the command line</td>
<td>Check the file for write protection or if the file exists (path). If both do not apply, check the hard disk’s capacity.</td>
</tr>
<tr>
<td>E=11 Disallowed command line</td>
<td>Define a user with function level 7/7 on the DCS for the DCS Loader.</td>
</tr>
<tr>
<td>Error number/Error message</td>
<td>Cause, comment on eliminating the error</td>
</tr>
<tr>
<td>---------------------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>E=12 Command line cannot be properly interpreted.</td>
<td>Check the associated command line for correctness of information. (There is no error analysis.)</td>
</tr>
<tr>
<td>E=13 Incorrect system name</td>
<td>You selected the wrong partner or the system name does not match the name in the DCS.</td>
</tr>
<tr>
<td>E=14 The point to be generated already exists.</td>
<td>Existing points are not newly generated and parameterized. If you want to newly generate or parameterize such points, you must first delete them via the terminal.</td>
</tr>
<tr>
<td>E=15 The point parameters to be generated do not agree!</td>
<td>Compare the parameters in the command line to the data in the DCS.</td>
</tr>
<tr>
<td>E=16 DCT directive has errors.</td>
<td>The DCT_MAN.TXT file describes all possible DCT directives. The syntax must be correct.</td>
</tr>
<tr>
<td>E=17 Statement=incorrect!</td>
<td>This is not an error. The error message only indicates that a Boolean expression in the DCT directives has resulted in a &quot;wrong&quot; value.</td>
</tr>
<tr>
<td>E=18 Command line without DCS support</td>
<td>The DCS supports most commands with a special, internal code which provides information on the command line's execution. If the command line is not confirmed with this code, an error message appears. However, the commands are executed correctly most of the time. You can check this in the REPORT file DCT.REP.</td>
</tr>
<tr>
<td>E=19 DCT &quot;#ABORT&quot; directive</td>
<td>This keyword stops communication with the partner. Check the previous command line for correctness of information. The #IF directive may be wrong (e.g., address form of the user address). Refer to DCT_MAN.TXT on DCT directives.</td>
</tr>
<tr>
<td>Error number/Error message</td>
<td>Cause, comment on eliminating the error</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>----------------------------------------</td>
</tr>
<tr>
<td>E=21 Incorrect DCS version</td>
<td>The communication program runs only on DCS versions from 8.16, 10.16 and V12. Request a server update.</td>
</tr>
<tr>
<td>E=22 The command line in CMD file is too long!</td>
<td>The max. length of a line is 250 characters. Delete all unnecessary blanks and tab stops. If the line is still too long, generate two command lines. Splitting command lines by means of a carriage return is not allowed.</td>
</tr>
<tr>
<td>E=23 The transfer file cannot be completely transmitted.</td>
<td>Check the size of the transfer file. It may be too big for the DCS.</td>
</tr>
<tr>
<td>E=37 ADDP Information: CTS missing</td>
<td>Parameter “mk” at “COM.PORT Sequence” is not entered.</td>
</tr>
<tr>
<td>E103 “Dialog time-out error”</td>
<td>Aborted communication or DCS with insufficient patch stand</td>
</tr>
<tr>
<td>E=117 SIO Frame error! (Baud rate=???)</td>
<td>The baud rate is missing or is faulty. Define the correct baud rate in “COM.PORT Sequence”</td>
</tr>
</tbody>
</table>
4.3 No errors

Contents of the *.ERR file

An *.ERR file is generated even if no errors have occurred. This file has the same name as the corresponding input file.

The *.ERR file appears as follows:

10:16:31  11.03.96 | DCS_LOAD.EXE V2.16 | K:\DCS_LOAD\DCS_L3.VIS

  ===> Conversion errors/warnings= 0/0

10:17:47  11.03.96 | DCT.EXE V2.16 | K:\DCS_LOAD\DCS_L3.cmd | 93

10:17:51  C=0 | Login Sys=NEPTUN | Vers=12.02.092 | o.k.

  ===> Communication errors/warnings= 0/0
### 4.4 Activating the Trace function

**Introduction**

In order to better and faster find a communications error, DCT provides a trace recording. The trace lists every individual step in a file and, if required, on-screen.

**Workflow**

The two entries TRACE and TRACE_LEV in the DCT.PRF file ([INITIALIZE section]) define if the Trace function is active and the level for the single step recording.

Refer to 6.7 “The DCT.PRF file” for information on these entries.

However, you can temporarily disable these settings during a DCS Loader session:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Start DCS Loader</td>
</tr>
<tr>
<td>2</td>
<td>Select “Options / DCT SYSTEM Parameter”</td>
</tr>
<tr>
<td>3</td>
<td>Enter the desired information in the input field. (See below)</td>
</tr>
<tr>
<td>4</td>
<td>Confirm with &lt;Enter&gt;</td>
</tr>
</tbody>
</table>

**Entries**

Activate or deactivate the individual step recording on-screen:

```
trc=1; or trc=0;
```

Define the level of the individual step recording:

```
tlv=51; (Example)
```

Refer to chapter 6.7 “The DCT.PRF file” for more information on recording levels.
4.5 Setting the number of report files

Introduction
You can define if the DCS should save only one single report file to save hard disk space or all of the 100 report files.

Workflow
Make this setting via the REPORT_NR entry in the DCT.PRF ([INITIALIZE]section) file.
Refer to chapter 6.7 “The DCT.PRF file” for information on this entry.
You can of course make this change without DCS Loader by opening the file in any text editor.
Proceed as follows if you have already started the DCS Loader:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Press &lt;F9&gt;.</td>
</tr>
<tr>
<td>2</td>
<td>Load DCT.PRF.</td>
</tr>
<tr>
<td>3</td>
<td>Make the changes.</td>
</tr>
<tr>
<td>4</td>
<td>Save the file.</td>
</tr>
<tr>
<td>5</td>
<td>Exit the text editor.</td>
</tr>
</tbody>
</table>
4.6 Additional settings

Introduction
Changing further settings in the DCT may be especially meaningful on localising errors. To do this, there are two options:

- Change the settings in the DCT.PRF file. These settings are valid if they are not deactivated temporarily during a session.

- Temporary change of settings during a DCS Loader session. These settings disable the corresponding entry in the DCT.PRF file for the current session. However, they expire after the session.

Detailed information
Refer to chapter to 6.7 “The DCT.PRF file” for detailed information on the impact of your entries for both cases.

Change DCT.PRF
You can of course make these changes without DCS Loader by opening the file in any text editor.

Proceed as follows if you have already started the DCS Loader:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Press &lt;F9&gt;.</td>
</tr>
<tr>
<td>2</td>
<td>Load DCT.PRF.</td>
</tr>
<tr>
<td>3</td>
<td>Make the changes.</td>
</tr>
<tr>
<td>4</td>
<td>Save the file.</td>
</tr>
<tr>
<td>5</td>
<td>Exit the text editor.</td>
</tr>
</tbody>
</table>
### Temporarily change the settings

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Start DCS Loader</td>
</tr>
<tr>
<td>2</td>
<td>Select “Options / DCT SYSTEM Parameter”</td>
</tr>
<tr>
<td>3</td>
<td>Press &lt;F1&gt; to examine the list of the settings that can be changed.</td>
</tr>
<tr>
<td>4</td>
<td>Press &lt;Esc&gt;.</td>
</tr>
<tr>
<td>5</td>
<td>Enter the desired information in the input field.</td>
</tr>
<tr>
<td>6</td>
<td>Confirm with &lt;Enter&gt;.</td>
</tr>
</tbody>
</table>

#### Important

Each entry must be completed by entering “;”.

Example:

```
err=1;com_t=600;
```
5 Detailed information for users

5.1 Preparations

5.1.1 Settings in the VISONIK server

Before you can load data on the DCS using the DCS Loader, make the following settings in the server.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Set parameter TYX for the used interface: “ITTY”.</td>
</tr>
<tr>
<td>2</td>
<td>Set parameter COMP for the used interface: “TELETEYPE”.</td>
</tr>
<tr>
<td>3</td>
<td>Define a user address structure that matches that of the project in PRVCONF.</td>
</tr>
<tr>
<td>4</td>
<td>Specify user initials and password.</td>
</tr>
<tr>
<td>5</td>
<td>Assign function level 7/7 to this user.</td>
</tr>
</tbody>
</table>

⚠️ Do not set entry “Masterplatte (boot without rings)” in SYS,PROJ.
5.1.2 Preparations in PRVCONF

**Prerequisites for compiling**

In order to generate a correct *.VIS file for a project in PRVCONF, consider the following two aspects:

1. Select the "Configuration" option in "Compile/Options".
2. Enter the correct address structure (by matching the DCS structure) via “Compile/Text + Address Options”.

Prerequisites for compiling
5.2 Connecting the PC

The cables required to connect the PC depend on whether you want to establish a connection directly via the DCS (V.24) or via modem.

When directly connecting the PC to the DCS, the connecting cables must have the following connections:

<table>
<thead>
<tr>
<th>PC</th>
<th>DCS</th>
<th>PC</th>
<th>DCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tx</td>
<td>2</td>
<td>Tx</td>
<td>2</td>
</tr>
<tr>
<td>Rx</td>
<td>3</td>
<td>Rx</td>
<td>3</td>
</tr>
<tr>
<td>GND</td>
<td>7</td>
<td>GND</td>
<td>7</td>
</tr>
<tr>
<td>DTR</td>
<td>20</td>
<td>DTR</td>
<td>20</td>
</tr>
</tbody>
</table>

For indirect connections:

<table>
<thead>
<tr>
<th>PC</th>
<th>DCS</th>
<th>PC</th>
<th>DCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rx</td>
<td>2</td>
<td>Tx</td>
<td>2</td>
</tr>
<tr>
<td>Tx</td>
<td>3</td>
<td>Rx</td>
<td>3</td>
</tr>
<tr>
<td>GND</td>
<td>5</td>
<td>GND</td>
<td>5</td>
</tr>
<tr>
<td>DTR</td>
<td>4</td>
<td>DTR</td>
<td>4</td>
</tr>
</tbody>
</table>

Direct or indirect connection?

Direct connections

<table>
<thead>
<tr>
<th>PC</th>
<th>DCS</th>
<th>PC</th>
<th>DCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tx</td>
<td>2</td>
<td>Tx</td>
<td>2</td>
</tr>
<tr>
<td>Rx</td>
<td>3</td>
<td>Rx</td>
<td>3</td>
</tr>
<tr>
<td>GND</td>
<td>7</td>
<td>GND</td>
<td>7</td>
</tr>
<tr>
<td>DTR</td>
<td>20</td>
<td>DTR</td>
<td>20</td>
</tr>
</tbody>
</table>

Indirect connections

<table>
<thead>
<tr>
<th>PC</th>
<th>DCS</th>
<th>PC</th>
<th>DCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rx</td>
<td>2</td>
<td>Tx</td>
<td>2</td>
</tr>
<tr>
<td>Tx</td>
<td>3</td>
<td>Rx</td>
<td>3</td>
</tr>
<tr>
<td>GND</td>
<td>5</td>
<td>GND</td>
<td>5</td>
</tr>
<tr>
<td>DTR</td>
<td>4</td>
<td>DTR</td>
<td>4</td>
</tr>
</tbody>
</table>
When using the modem to establish a connection, the connecting cable must have the following connections:

<table>
<thead>
<tr>
<th>PC</th>
<th>Modem</th>
<th>PC</th>
<th>Modem</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tx</td>
<td>2</td>
<td>Tx</td>
<td>2</td>
</tr>
<tr>
<td>Rx</td>
<td>3</td>
<td>Rx</td>
<td>3</td>
</tr>
<tr>
<td>RTS</td>
<td>4</td>
<td>RTS</td>
<td>4</td>
</tr>
<tr>
<td>CTS</td>
<td>5</td>
<td>CTS</td>
<td>5</td>
</tr>
<tr>
<td>DSR</td>
<td>6</td>
<td>DSR</td>
<td>6</td>
</tr>
<tr>
<td>GND</td>
<td>7</td>
<td>GND</td>
<td>7</td>
</tr>
<tr>
<td>DCD</td>
<td>8</td>
<td>DCD</td>
<td>8</td>
</tr>
<tr>
<td>DTR</td>
<td>20</td>
<td>DTR</td>
<td>20</td>
</tr>
<tr>
<td>25-pin</td>
<td></td>
<td>25-pin</td>
<td></td>
</tr>
</tbody>
</table>

Check by using e.g. VISOTOOL Editor. Refer to the New VISOTOOL Editor User's Guide (Order no.: CM2B8361E) for details.
5.3 Installation

5.3.1 Requirements

Hardware requirements

To guarantee correct operation of the DCS Loader, the following hardware requirements must be met:

- Computer:
  IBM or IBM compatible

- Processor:
  Min. 386

- Hard disk:
  Min. 1MB incl. data for one project

- Interfaces:
  Min. one free serial interface
  (COM1 ... COM4)

Where do I find the files?

The INSTALL.BAT installation file and the zipped program files for the DCS Loader (inc. Data Communication Tool) are located on the following ETS diskette for Tool managers:

VISOTOOL.4 with DCS Loader
### 5.3.2 Installing the program

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Switch to DOS or open a DOS window.</td>
</tr>
</tbody>
</table>
| 2    | Enter the following command:  
(For disk drive A:)  
A:\INSTALL target path A: |
| 3    | Press <Enter>. |
| 4    | Confirm the question if you want to install the DCS Loader. |

#### Example for entry in step 2

The entry in step 2, for example, could be as follows if the VISOTOOL diskette is inserted in drive A:

```
A:\INSTALL C:\VISOTOOL.4 A:
```

In this case, the installation program automatically creates the \VISOTOOL folder and its subfolder \DCS_LOAD in drive C:. This folder contains all files required by the DCS Loader.
5.3.3 Installing a DCS Loader language

Introduction

The DCS Loader can be operated in any of three languages to which you change during operation. On initial use of the DCS Loader, assign the languages to the associated *.MSG files.

Workflow

Proceed as follows if the language files exist:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Start DCS Loader</td>
</tr>
<tr>
<td>2</td>
<td>Select “Option/User Language”.</td>
</tr>
<tr>
<td>3</td>
<td>Highlight a language and press &lt;F8&gt;.</td>
</tr>
</tbody>
</table>
| 4    | Select the associated *.MSG file.  
  (e.g., DCS_L_EN.MSG) |
5.4 Important files

When working with the DCS Loader, various files are important. These files are located in three different folders:

- In the DCS Loader folder (see 5.3, "Installation")
  Example: C:\VISOTOOL.4\DCS_LOAD

- In the project folder containing the data for the project whose configuration you want to load in the DCS.
  Example: C:\ETS_DATA\PROJ_XY

- In the European Toolset folders:
  C:\ETS_LIB\TEXTLIB\VIS_Vnn.*
### Files in the DCS Loader folder

This folder contains the following files:

<table>
<thead>
<tr>
<th>File</th>
<th>Task or contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCS_LOAD.EXE</td>
<td>DCS Loader program file.</td>
</tr>
<tr>
<td>DCT.PRF</td>
<td>Configuration data for the Data Communication Tool (DCT).</td>
</tr>
<tr>
<td>DCS_L.CAT</td>
<td>Language-dependent commands for the DCS.</td>
</tr>
<tr>
<td>DCS_L_xx.MSG</td>
<td>Program texts for the DCS Loader</td>
</tr>
<tr>
<td>DCS_L_xx.TXT</td>
<td>Help texts for the DCS Loader</td>
</tr>
<tr>
<td>DCT.MSG</td>
<td>Program texts for the DCT</td>
</tr>
<tr>
<td>DCT_MAN.TXT</td>
<td>Description of the Data Communication Tool (DCT).</td>
</tr>
<tr>
<td>*.REP</td>
<td>Listing of the DCT containing all loading events.</td>
</tr>
<tr>
<td>*.LOG</td>
<td>Communication confirmation signal DCT.</td>
</tr>
<tr>
<td>*.TRC</td>
<td>Information recorded via Trace.</td>
</tr>
<tr>
<td>*.ETS</td>
<td>Input files containing the commands and data for uploading.</td>
</tr>
<tr>
<td>*.DEL</td>
<td>Input files containing the commands for deleting the text catalogues.</td>
</tr>
<tr>
<td>DCS_LOAD.VIS</td>
<td>Example for a *.VIS file</td>
</tr>
<tr>
<td>DCT_CMD.TSK</td>
<td>Example for a DCT CMD file</td>
</tr>
</tbody>
</table>

### Note

The letters "xx" in the above *.MSG and *.TXT files represent placeholders for the language description such as "GE" for German.
This folder can be an ETS project folder or a temporary folder generated by the DCS Loader on the PC for a project to be loaded.

In this folder, the following files are important with regard to the DCS Loader:

<table>
<thead>
<tr>
<th>File</th>
<th>Task or contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>*.VIS</td>
<td>File generated in PRVCONF by using the DCS configurations.</td>
</tr>
<tr>
<td>*.CMD</td>
<td>Project data generated by the DCS Loader from the input files which are further processed by the DCT.</td>
</tr>
<tr>
<td>*.ERR</td>
<td>Listing of all errors during the loading procedure.</td>
</tr>
</tbody>
</table>

The European Toolset folders among other files contain the following:

- **VISIONIK.INI**
  Important information on language administration in the PRVCONF program. Tool managers should correctly complete these entries.

- **STDRDTXT.VIS**
  This file contains standard texts to be loaded separately. These texts are not part of the project-specific *.VIS files.
6 Detailed information for Tool managers

6.1 Setup settings in ETS

**Introduction**

Specify in the VISONIK.INI file which text catalogue you want the server to use. The VISONIK.INI file for version 12, for example, is located in the following European Toolset folder:

\...\ETS_LIB\TEXTLIB\VIS_V12.GER

**Line to change**

Make the setting in the second line of the following two lines:

```
; Select Visonik text catalogue language
xx=0
```

Enter \texttt{xx=0, xx=1 or xx=2} depending on the catalogue.

**Workflow**

Make the settings prior to editing the project in PRVCONF!

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Open the VISONIK.INI file in the text editor.</td>
</tr>
<tr>
<td>2</td>
<td>Enter the correct text catalogue.</td>
</tr>
<tr>
<td>3</td>
<td>Save the file.</td>
</tr>
</tbody>
</table>
Comment

Change only the above listed line.
Do not change the following entries:

language=GER
(after command line "Set program user language")
This line is used for automatic setting of the DCS Loader program language. (This function is not yet available).

comlang=0
(after command line "Select Visonik communication language")
This line is used for automatic setting of the DCS language. A change from 1 to 2 is not meaningful as this function is not yet available.
6.2 Translating the VISONIK commands in DCS_L.CAT

Introduction

The DCS_L.CAT file is located in the DCS Loader folder such as:

`...\VISOTOOL.4\DCS_LOAD`

This is where the VISONIK commands the DCS Loader must use to load foreign-language texts.

Lines to insert

For each language that exists in the DCT.PRF file, a complete section, analogous to the one below, must exist.

An example for English shows which lines to insert (the commands must correspond to the relative language catalogue):

```
[ENGLISH]

TXIp = TXIU,Ip,CHNG
TXIg = TXSY,Ig,CHNG
TXIm = TXSY,Im,CHNG
TXIV10 = TXIZ,I,CHNG
TXUp = TXIU,Ip,CHNG
TXUg = TXSY,Ig,CHNG
TXUm = TXSY,Im,CHNG
TXUV10 = TXIZ,Z,CHNG
TXC = TXCM,C,CHNG
TXCV10 = TXCM,C,CHNG
```

Important

The language designations in brackets must be an exact match to those in the DCT.PRF file in sections `[PARTNER_N]` ("DCS_LANGUAGE = " entries).
Make the above entries before starting the DCS Loader for the first time in the respective language.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Open the DCS_L.CAT file in the text editor.</td>
</tr>
<tr>
<td>2</td>
<td>Enter the information.</td>
</tr>
<tr>
<td>3</td>
<td>Save the file.</td>
</tr>
</tbody>
</table>
### 6.3 Translating the DCS Loader system texts

#### Introduction
The DCS Loader system texts are located in the files named `DCS_L_xx.MSG`.

*.MSG texts assign a specific language to the DCS Loader MMI.

The files are located in the DCS Loader folder, for example: `...\VISOTOOL\DCS_LOAD`.

Create one file for each language, e.g., `DCS_L_en.MSG` for English, `DCS_L_it.MSG` for Italian, etc.

When operating the DCS Loader, you can quickly change between the three languages. Define the language descriptions to be used in the program in the [LANGUAGE] section.

#### Comments
Two slashes (`//`) introduce the comment text. This text always ends at the end of a line. The program does not process comment texts which can thus be fully edited.

#### Sections
Do not change the titles of the sections and their sequence.

Examples:
- [MESSAGE]
- [WARNING]
- [ERROR]
Entries available for editing

All entries between quotation marks (messages, window titles, menus, actions) are available for full editing (exceptions: see below). Please note that the length is restricted due to text layout on screen.

Exceptions:

• Do not change the sequence within a section and the lead numbers with commas.

• Do not change the function keys (e.g. F2, F8, etc.), as they are encoded in the program's code.

• On selecting the hot keys in menus and commands, make sure that the same letter has not been assigned twice within the same context.

Create the corresponding *.MSG file before changing the DCS Loader language.

Workflow

Create the corresponding *.MSG file before changing the DCS Loader language.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Open an output file such as DCS_L_en.MSG in the text editor.</td>
</tr>
<tr>
<td>2</td>
<td>Save the file under a new name.</td>
</tr>
<tr>
<td>3</td>
<td>Translate the texts.</td>
</tr>
<tr>
<td>4</td>
<td>Save the file.</td>
</tr>
</tbody>
</table>
6.4 Translating the DCS Loader help texts

Introduction
The DCS Loader help texts are located in files named DCS_L_xx.TXT.
*TXT texts assign a specific language to the DCS Loader help texts.
The files are located in the DCS Loader folder, for example:
...\VISOTOOL.4\DCS_LOAD.
Create one file for each language, e.g., DCS_L_en.TXT for English, DCS_L_it.TXT for Italian, etc.
When operating the DCS Loader, you can quickly change between the three languages. Specify the designations for the corresponding system text file (*.MSG) in the [LANGUAGE] section.

Comments
Two slashes ( // ) introduce the comment text. This texts always ends at the end of the respective line. The program does not process comment texts which can thus be fully edited.

Texts for help windows
Each text for a help window is preceded by a line which consists of a number and the @ character. Do not change these characters and their sequence.

Entries available for editing
You can edit the entire text between two window characters.
Create the corresponding *.TXT file before changing the DCS Loader language.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Open an output file such as DCS_L_en.TXT in the text editor.</td>
</tr>
<tr>
<td>2</td>
<td>Save the file under a new name.</td>
</tr>
<tr>
<td>3</td>
<td>Translate the texts.</td>
</tr>
<tr>
<td>4</td>
<td>Save the file.</td>
</tr>
</tbody>
</table>
## 6.5 Translating DCT message texts

### Introduction

The message texts for the Data Communication Tool (DCT) are located in the **DCT.MSG** file.

DCT-MSG texts assign a specific language to the DCT's messages.

The file is located in the DCS Loader folder, for example: `...\VISOTOOL\DCS_LOAD`.

Because the DCT uses only this file, changeover during operation is not possible. In order to install a different language, you must rename the corresponding language file to **DCT.MSG**.

### Comments

Two slashes (//) introduce the comment text. This texts always ends at the end of the respective line. The program does not process comment texts which can thus be fully edited.

### Entries available for editing

You can edit the entire text between quotation marks. However, the length may not exceed 80 characters or the length of a line.

Do not change the text numbers (incl. Comma) and the sequence of the texts.

### Workflow

Proceed as follows if you want to change the language of the DCT messages:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Create a backup copy of the DCT.MSG file (e.g. <strong>DCT.ENG</strong>).</td>
</tr>
<tr>
<td>2</td>
<td>Open <strong>DCT.MSG</strong> in the text editor.</td>
</tr>
<tr>
<td>3</td>
<td>Translate the texts.</td>
</tr>
<tr>
<td>4</td>
<td>Save the file.</td>
</tr>
</tbody>
</table>
6.6 Preparing communication partners

Introduction

The DCS.PRF file is located in the DCS Loader folder such as:

...\VISOTOOL.4\DCS_LOAD

This is where you must enter for the DCS Loader various information on each DCS you want to address. You can define 20 different DCSs at this location.

Required information

Refer to chapter 6.7 “The DCT.PRF file” for more information on the various entries.

Enter the information on a partner in one of the [PARTNER_N] sections. The following entries in the sections are required:

- NAME (system name of the partner)
- LANGUAGE (communications language; must be set to 0)
- LINK_SYS_NBR (0 or the partner substation number in a linked system)
- DCS_LANGUAGE (max. three language descriptions for text catalogues in the partner)
- PARTNER (identification sequence of the partner)
- COM_PORT (definition of the PC interface)

Workflow

Make the above entries before starting the DCS Loader for the first time for a new DCS.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Open the DCS.PRF file in the text editor.</td>
</tr>
<tr>
<td>2</td>
<td>Enter the information.</td>
</tr>
<tr>
<td>3</td>
<td>Save the file.</td>
</tr>
</tbody>
</table>

Recommendation

We recommend creating a partner for:

- Direct connections
- Modem connections
- Pipe connections
6.7 The DCT.PRF file

A description of all parameters is available in the DCT_MAN.TXT file (e.g., additional parameters for connection via a Terminal Server).

6.7.1 INITIALIZE section

Introduction

The settings in the [INITIALIZE] section are initialisation values. These values in part are default values that are assumed when the corresponding values are not defined in the other sections.

APP_WINDOW

Default:
APP_WINDOW = no

Meaning:
"yes" activates a DCT window. This window contains the messages of the Data Communication Tools. Enter the necessary information in the APP_WINDOW section (see DCT_MAN.TXT).

ERROR

Default:
ERROR = yes

Meaning:
"yes" lists all errors (configuration, ranges, communication, etc.) on-screen.

WARNING

Default:
WARNING = no

Meaning:
"yes" lists all warnings (configuration, ranges, time correction, etc.) on-screen.
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Default</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLR_SCREEN</td>
<td>Default: CLR_SCREEN = no</td>
<td>&quot;yes&quot; deletes the screen on starting the Data Communication Tool.</td>
</tr>
<tr>
<td>REPORT_NR</td>
<td>Default: REPORT_NR = 0</td>
<td>During communication, the DCT generates a report file named DCT_n.REP, with continuous numbers from 0 to 99 and back to 0. This is where you can manually set the continuous number. If the report REPORT_NR is missing, the DCT generates one file only: DCT_0.REP.</td>
</tr>
<tr>
<td>SIGN_OF_LIFE</td>
<td>Default: SIGN_OF_LIFE = yes</td>
<td>&quot;yes&quot; displays the following information in the upper right corner of the screen during communication: – Communication status – Communication time – Data timeout Example: RECEIVE 48/0</td>
</tr>
<tr>
<td>COM_TIMEOUT</td>
<td>Default: COM_TIMEOUT = 120</td>
<td>If communication to a partner is interrupted (step ASX dialog), the Data Communication Tool aborts connection after a specified time (in seconds).</td>
</tr>
</tbody>
</table>
DATA_TIMEOUT  Default:
DATA_TIMEOUT = 60
Meaning:
If not data are received on a request for data after the specified time (in seconds) or if communication to the DCS is interrupted, the DCT stops processing the current command line and jumps to the next line.

LANGUAGE  Default:
LANGUAGE = 0
Meaning:
Use this entry to communicate to the VISONIK server the language that is to be used for communication (0, 1 or 2). “-1” means that no language setting occurs.

STDOUT  Default:
STDOUT = no
Meaning:
“yes” lists all requested data on-screen.

MESSAGE  Default:
MESSAGE = no
Meaning:
“yes” outputs the current status of communication (connection phase, command line, etc.) on-screen.
REQUEST
Default:
REQUEST = no
Meaning:
On "no", the Data Communication Tool sends "abort" as a response to all input prompts.
(Exceptions: <Ctrl C>, <Ctrl Break>)
Caution:
If on "yes" an entry does not receive a reply for longer than the defined timeout COM_TIMEOUT, the DCT also aborts an entries (e.g. during diskette access).

TRACE
Default:
TRACE = no
Meaning:
On "yes", the DCT lists on-screen each additional step.
You can define the level by entering TRC_LEVEL.
**TRC_LEVEL**

Default:

\[ \text{TRC\_LEVEL} = 0 \]

Meaning:
This entry defines the individual step recording. Any bit combination is possible. A trace file is generated for all values of \( \text{TRC\_LEVEL} > 0 \). The trace file is named after the associated *.CMD file with file extension *.TRC.

<table>
<thead>
<tr>
<th>Value</th>
<th>Bit</th>
<th>Recording</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>None</td>
<td>No recording</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
<td>Low level Rx input</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>Low level Tx output</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>Text input</td>
</tr>
<tr>
<td>8</td>
<td>3</td>
<td>Text output</td>
</tr>
<tr>
<td>16</td>
<td>4</td>
<td>ASX input</td>
</tr>
<tr>
<td>32</td>
<td>5</td>
<td>ASX output</td>
</tr>
<tr>
<td>64</td>
<td>6</td>
<td>Timeframe 400 input</td>
</tr>
<tr>
<td>128</td>
<td>7</td>
<td>Other telegram formats</td>
</tr>
</tbody>
</table>

Examples:

- \( \text{TRC\_LEVEL} = 3 \):
  - Low level Rx input and Low level Tx output
- \( \text{TRC\_LEVEL} = 60 \):
  - ASX and text input and output

Caution:
Trace files quickly exceed 1MB and should therefore be generated only if really necessary.

**DIAGNOSTIC**

Default:

\[ \text{DIAGNOSTIC} = 0 \]

Meaning:
On "1", the Data Communication Tool copies the *.CMD file with extension *.DIA and inserts, beginning at 1, an ascending number.
STOP_ON_EXIT

Default:

STOP_ON_EXIT = no

Meaning:

"yes" stops the Data Communication Tool at the end of communication. This allows you to view that last messages on screen. Pressing any key returns control to the DCT.
6.7.2  PARTNER_N section

Introduction
The [PARTNER_N] section allows you to define all information required to identify a specific partner and communicate with that partner. The DCT replaces missing entries in the [INITIALIZE] section by a default value.

Max. number of partners
You can define max. 20 partners.

NAME
Default:
Name = "*"

Meaning:
For unambiguous identification, define the name of the VISONIK system at this location. When the DCT does not determine a match on communication start, an error message appears and communication is aborted.

Possible inputs:
The name must have at least three and no more than 32 characters.
If no name check is conducted on communication start-up, character "***" must be entered before the system name.
(e.g. "*NEPTUN")

TIME_DIF
Default:
TIME_DIF = 0

Meaning:
This is where the DCT saves the time difference between DCT and VISONIK. Do not change this entry.
**LINK_SYS_NBR**

Default:

\[
\text{LINK\_SYS\_NBR} = 0 \text{ (no linked system)}
\]

Meaning:

LINK_SYS_NBR determines the number of the linked system number in a linked system. The DCT attempts to establish communication to the associated system. If this attempt fails within 10 seconds, an error message appears.

Value range:

- 0 (individual DCS, not in the linked system)
- 1 ... 999, decimal

**SIO_HW_INT**

Default:

\[
\text{SIO\_HW\_INT} = \text{yes}
\]

Meaning:

(Serial I/O hardware signal interrupt)

On "yes", the following hardware signals trigger a modem status interrupt:

- **DCD** Data Carrier Detect
- **CTS** Clear to Send
- **DSR** Data Set Ready
- **RI** Ring Indicator (not used)

Modem connection:

Each modem connection requires these signals.

V.24 connection:

These signals are not required on direct connections. If communication problems occur, they can be suppressed by \(\text{SIO\_HW\_INT} = \text{no}\).
**SIO_HW_INT**

Default:

SIO_SW_INT = no

Meaning:

(Serial I/O software signal interrupt)

On "yes", the following signals trigger a line status interrupt:

- **OE** Overrun Error
- **PE** Parity Error
- **FE** Frame Error
- **BI** Break Interrupt

Comment:

DCT uses ADDP protocol and ASX transport. This ensures optimum data security at high performance. Activate SIO_SW_INT only for testing purposes.

---

**VERSION**

Default:

VERSION = 0

Meaning:

On each communication pass with the DCS, the DCT checks the recorded system version against that of the DCS. If the two version do not match, the DCT asks if the number should be updated following communication.

If no version check is conducted on communication start-up, character "***" must be entered before the version number. (e.g. *12.2.92)

PARTNER
Meaning:
This entry represents the partner identification sequence. It contains several parameters for communicating with the DCT. Refer to 6.7.3 “PARTNER parameters” for information on the individual parameters.
Important:
The character string must begin or end with the following characters:
Beginning: ‘; (inverted command and semi-colon)
End: .’ (period and inverted comma)
Separate the individual parameters by a semi-colon.

COM_PORT
Meaning:
This entry defines the interface of the PC used for the DCS Loader.
Refer to 6.7.4 “COM_PORT parameters” for information on the individual parameters.
Important:
The character string must begin or end with the following characters:
Beginning: ‘; (inverted command and semi-colon)
End: .’ (period and inverted comma)
Separate the individual parameters by a semi-colon.

DUS_ALLOWED
Default:
DUS_ALLOWED = no
Meaning:
“yes” allows for temporary change of a system in a linked system. Enter the associated commands for change (e.g. DUS,NEP) and return by entering the regular DCS syntax in the *.CMD file.

DATE_TIME
Meaning:
DATE_TIME is used only for information and contains the date and time of the last communication.
**DCT_ID**

**Default:**

DCT_ID = 51

**Meaning:**

DCT_ID serves to identify the VISONIK data server’s partner. DCT can correctly function only if it has been set to 51.

**DCS_LANGUAGE**

**Meaning:**

Enter for the text catalogues maximum three languages that you want to make available in the DCS Loader.

**Examples:**

Use of three languages (0, 1, and 2):

DCS_LANGUAGE = German, English, Italian

Use of the two languages 0 and 2:

DCS_LANGUAGE = German, French

**Note:**

Use the same language designation for all partners!
6.7.3 PARTNER parameters

Introduction

The PARTNER parameters are used to identify and communicate with the individual partners. In fact, they define the partners' interfaces. If a parameter is missing, the DCT uses the internal default value.

All parameters defined in the [PARTNER_N] section apply only to that partner.

Meaning of parameters

Note: Separate the various parameters by a semi-colon.

<table>
<thead>
<tr>
<th>Par.</th>
<th>Meaning</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>lu</td>
<td>Connection substation number (0: no linked system)</td>
<td>0</td>
</tr>
<tr>
<td>mu</td>
<td>Modem substation number</td>
<td>0</td>
</tr>
<tr>
<td>ink</td>
<td>Connection number in linked system (0: no linked system)</td>
<td>0</td>
</tr>
<tr>
<td>c2</td>
<td>Telephone number of partner (several numbers are possible)</td>
<td></td>
</tr>
<tr>
<td>br</td>
<td>Duration of a break signal in seconds (0: no break)</td>
<td>0</td>
</tr>
<tr>
<td>rp</td>
<td>Maximum number of redial attempts (modem)</td>
<td>0</td>
</tr>
<tr>
<td>tm</td>
<td>Minimum waiting time for redialing in seconds</td>
<td>60</td>
</tr>
<tr>
<td>c1</td>
<td>Prefix for modem calling sequence</td>
<td>ATDP</td>
</tr>
<tr>
<td>c3</td>
<td>Postfix for modem calling sequence</td>
<td>no Postfix</td>
</tr>
<tr>
<td>in</td>
<td>Modem initialisation sequence</td>
<td>AT</td>
</tr>
<tr>
<td>td</td>
<td>Modem reset sequence</td>
<td>ATZ</td>
</tr>
<tr>
<td>wc</td>
<td>Waiting time for connect timeout in seconds</td>
<td>45</td>
</tr>
</tbody>
</table>
Examples

The following examples apply to a minimum configuration.

Direct V.24 connection:
PARTNER = ‘;lu=0;mu=0.’

Modem connection:
PARTNER = ‘;lu=0;mu=168;c2=042 24 48 60;
c2=042 24 48 62.’

V.24 connection with linked system:
PARTNER = ‘;lu=0;mu=0;lnk=248.’
**6.7.4 COM_PORT parameters**

"COM_PORT parameters" are used to define the PC interface. If a parameter is missing, the DCT uses the internal default value.

All parameters defined in the [PARTNER_N] section apply only to that partner.

### Meaning of parameters

Note: Separate the various parameters by a semi-colon.

<table>
<thead>
<tr>
<th>Par.</th>
<th>Meaning</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>com</td>
<td>Interface (com1...com4)</td>
<td>com1</td>
</tr>
<tr>
<td>bd</td>
<td>Baud rate (75..9600 bps)</td>
<td>1200</td>
</tr>
<tr>
<td>mk</td>
<td>Modem class</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>(0 = V.24 direct connection</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;0 = Modem connection</td>
<td></td>
</tr>
<tr>
<td>tc</td>
<td>Parameter for command phase</td>
<td>8N1</td>
</tr>
<tr>
<td></td>
<td>(interface ↔ modem)</td>
<td></td>
</tr>
<tr>
<td>br</td>
<td>Duration of a break signal in seconds</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>(modem, 0: no break)</td>
<td></td>
</tr>
<tr>
<td>c1</td>
<td>Prefix for modem calling sequence</td>
<td>ATDP</td>
</tr>
<tr>
<td>c3</td>
<td>Postfix for modem calling sequence</td>
<td>no Postfix</td>
</tr>
<tr>
<td>fb</td>
<td>Fixed baud rate (interface ↔ modem)</td>
<td>0</td>
</tr>
<tr>
<td>fi</td>
<td>Terminator for modem commands</td>
<td>&lt;CR&gt;</td>
</tr>
<tr>
<td>in</td>
<td>Modem initialisation sequence</td>
<td>AT</td>
</tr>
<tr>
<td>rs</td>
<td>Modem reset sequence</td>
<td>ATZ</td>
</tr>
<tr>
<td>wc</td>
<td>Waiting time for connect timeout in seconds</td>
<td>45</td>
</tr>
</tbody>
</table>

**For special cases only:**

<table>
<thead>
<tr>
<th>Par.</th>
<th>Meaning</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>rp</td>
<td>Maximum number of redial attempts (modem)</td>
<td>0</td>
</tr>
</tbody>
</table>
The following examples apply to a minimum configuration.

Direct V.24 connection:
COM_PORT  = ';com=com1;bd=9600;mk=0.'

Modem connection:
COM_PORT  =
';com=com2;bd=1200;mk=2;in="AT&C1&D2s0=1".'

V.24 connection with linked system:
COM_PORT  = ';com=com3;bd=4800;mk=0.'
6.7.5 Minimum DCT.PRF configuration

Introduction
The following example with partner shows the entries that you cannot change behind the comment marker ( // ).

Example

```
[INITIALIZE]
REPORT_NR = 0          // do not change!
DCT_ID = 51            // do not change!
COM_TIMEOUT = 120
DATA_TIMEOUT = 90
SIGN_OF_LIFE = yes
APP_WINDOW = no
STDOUT = no
ERROR = yes
MESSAGE = yes
WARNING = yes
REQUEST = yes
TRACE = no
TRC_LEVEL = 0
CLR_SCREEN = no

[PARTNER_1]
NAME = "Partner System-1"
TIME_DIF = -7482       // do not change!
PARTNER = ';lu=132;mu=0.'
COM_PORT = ';com=com1;bd=9600;mk=0.'
```
6.8 *.VIS files

Introduction

Project-specific *.VIS files are generated on compilation in PRVCONF. These files contain the DCS configuration with technical addresses, user addresses, texts, etc.

*.VIS files consist of several sections as shown below.

Each section is introduced by a character string [BEGIN_SECTION] and completed by a character string [END_SECTION].

[BEGIN_INI]

The INI section contains data that are checked prior to communication. If part of this information does not match the DCS configuration, communication is aborted.

[BEGIN_INI]
SYSVER>=12
DATVER==2.0
LEVEL>=7/7
LANGUAGE=GER
XX=0
ADRFORM==”AAA1’AA1’1AAA’AAA’A11”
[END_INI]

[BEGIN_GEN]

The GEN section contains data required for generating the points. In a first step, the points with the technical address and the user address are created.

[BEGIN_GEN]
TA=$d10'020,CTYP=ML,NAME="ANL1’SR5’3.OG’Lft’M01”;
TA=$d10’021,CTYP=ML,NAME="ANL1’SR5’3.OG’Lft’M02”;
[END_GEN]
The PAR section contains data required for parameterizing the points. After point generation, the points are selected in from this section and parameterized.

```
[BEGIN_PAR]
TA=$d10’020, TXI=m523, TXI2=p502, TXU=g37;
TA=$d10’000, TXI=m515, TXI2=p502, TXU=g130;
[END_PAR]
```

The TXI section contains the project-specific TXI catalogue. The TXIm catalogue is located on the DCS as a master catalogue. It matches the text catalogue from PRVCONF. This catalogue can be loaded through file STDRDTXT.VIS.

```
[BEGIN_TXI]
p502="ANL1 LFT SR5   ";
p503="ANL1 LFT SR6   ";
[END_TXI]
```

The TXU section contains the project-specific TXU catalogue. The TXUm catalogue is located on the DCS as a master catalogue. It matches the text catalogue from PRVCONF. This catalogue can be loaded through file STDRDTXT.VIS.

```
[BEGIN_TXU]
p402="Normal";
p403="Übergel.";
p404="########";
[END_TXU]
```

The FREE section can contain any command line, e.g., for loading the process image from the DCS to the controller:

```
[BEGIN_FREE]
PKT,$d2’PS,OP,LoPA
[END_FREE]
```
### 6.9 ETS input file for uploading

<table>
<thead>
<tr>
<th>Keywords</th>
<th>The ETS input file contains commands with the following keywords:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>!TARGET!</td>
</tr>
<tr>
<td></td>
<td>!TA!</td>
</tr>
</tbody>
</table>

**Entering the DCS output file**
The DCS Loader replaces the !TARGET! entry by the input in the “DCS Output” field.

**Entering the address range**
The DCS Loader replaces the !TA! entry by the input in the “TA Address Range” field.

### 6.10 DCT command file

<table>
<thead>
<tr>
<th>Contents</th>
<th>The contents of the DCT command file are as follows:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1. Line: Keyword</td>
</tr>
<tr>
<td></td>
<td>//CMD-FILE</td>
</tr>
<tr>
<td></td>
<td>Command lines with output:</td>
</tr>
<tr>
<td></td>
<td>Output file; Command line;</td>
</tr>
<tr>
<td></td>
<td>Command lines without output:</td>
</tr>
<tr>
<td></td>
<td>;Command line;</td>
</tr>
</tbody>
</table>
6.11 File tests

Introduction
The DCS Loader conducts a file test prior to converting the input file into a *.CMD file. During the test, the Loader is searching for a specific keyword in the 1st line. If the DCS Loader cannot find the keyword, conversion is not started and an error message appears.

Keywords
The following keywords are tested:

<table>
<thead>
<tr>
<th>Input file</th>
<th>Keyword</th>
</tr>
</thead>
<tbody>
<tr>
<td>Download (*.VIS file)</td>
<td>[BEGIN_INI]</td>
</tr>
<tr>
<td>Upload (ETS file)</td>
<td>UPLOAD</td>
</tr>
<tr>
<td>Command file</td>
<td>CMD_FILE</td>
</tr>
</tbody>
</table>

6.12 Information files

6.12.1 Error files

Meaning
*.ERR files contain a list of all error messages issued during communication.
## 6.12.2 Report files

| Meaning | The REPORT file DCT.REP lists all events according to their occurrence. Accordingly, this file contains important information for service:  
• All communication steps with a partner.  
• All error messages, warnings, etc.  
• All DCS information not saved in a data file.  
• All command lines and the associated splitting. |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Structure</td>
<td>REPORT files are not structured files. Instead, they are ASCII files that can be viewed in any editor.</td>
</tr>
</tbody>
</table>
| Saving 100 REPORT files | Condition:  
The DCT.PRF file contains entry REPORT_NR.  
In this case, the Data Communication Tool generates REPORT files with the following designations from the last 100 communication events:  
DCT_n.REP.  
The REPORT_NR entry defines number n for the initial file. |
| Saving a single REPORT file | Condition:  
The DCT.PRF file does not have a REPORT_NR entry. We recommend this option to save memory on the hard disk.  
In this case, the DCT overwrites the REPORT file named DCT_0.REP on each communication event. |
### 6.12.3 Trace files

| Meaning | In order to better and faster find a communications error, DCT provides a trace recording. The trace lists every individual step in a file and, if required, on-screen. |
| --- |
| Structure | TRC files are ASCII files that can be viewed in any editor. |
| Generating trace files | Define the trace level via the TRC_LEVEL entry in the DCT.PRF file ([INITIALIZE] section). Each trace level greater than 0 results in generation of a *.TRC file. |
| File name | The file name of a trace file consists of the name of the *.CMD file and the file extension *.TRC. |
| Trace output on screen | When you also want to display a trace recording on screen, set the TRACE entry to "yes" in the trace file in the [INITIALIZE] section. |
| Important | Normally, the trace function should be inactive (TRC_LEVEL = 0) as it requires a lot of hard disk space and slows down communication. Because "ADDP" does not support "Xon/Xoff", you can neither stop communication via <Ctrl S> nor start it via <Ctrl Q>. |
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