

European Tool Set

VISONIK Upload

User's Guide

Version 1.40

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Read this first

What does this chapter contain?

The sections below provide important basic information to help you understand this User's Guide.

What assumptions are made?

In order to understand this User's Guide, you must be familiar with the Windows operating system.

What abbreviations have been used?

The table below contains all abbreviations as used throughout this document.

ETS	European Tool Set: Set of software tools providing optimal support for the project engineering process
PDT	Plant Description Tool
SDT	System Design Tool (generic term)
SDT Shell	System Design Tool Shell for the Automation Level Network
PRVCONF	System Design Tool for the Automation Level Network of UNIGYR and VISONIK systems
VISOTOOL Editor	Software tool for communication with VISONIK devices
EDB	Exchange database: Common, open database in ETS

What shortcuts have been used?

The following shortcuts are used in this document:

Shortcut	Meaning
ALT, TAB, ENTER, ...	Press the respective key.
[OK] / ↵	Confirm entries, messages or actions by clicking [OK] or by pressing the ENTER / ↵ key.
(Example)	All examples within workflows are printed in this form and font.
[OK] / [...]	All buttons in windows or dialog boxes are printed in this form.
"File / Save"	Menu selections are printed in this form. Example: Select the "Save" option in the "File" menu.

1 Introduction

This chapter contains general information on the contents of this document and on VISONIK Upload.

1.1 About this document

This User's Guide is intended for all users who are involved in the engineering of enhancement projects for VISONIK systems or who require data from a DCS or controller for documentation purposes. It primarily describes the functions of VISONIK Upload and how to use them.

Where do I find what?

This User's Guide contains the following chapters and topics:

Chapter	Contents
	Read this first (previous page) <i>Requirements, conventions and shortcuts for this document and for VISONIK Upload</i>
1	Introduction (This chapter): – <i>General information you need to know</i> – <i>Basic concept of VISONIK Upload</i>
2	Starting with VISONIK Upload: – <i>How to start VISONIK Upload</i> – <i>How to save data and terminate VISONIK Upload</i>
3	Workflows for various applications: – <i>Best practices for the various applications</i>
4	Detailed steps in the workflows: – <i>How to implement the various workflow steps</i>
5	Detailed Information – <i>How to correct errors in a file</i> – <i>Information and techniques that you need for your day-to-day work</i> – <i>Answers to frequently asked questions</i>

Additional documents

The following L&S documents contain further basics, information and support with regard to project execution:

- ETS Basics (Order No: CM2U8374E)
- SDT Shell User's Guide (Order No: CM2U8379E)
- PRVCONF User's Guide (Order No: CM2U8375E)
- DCS Loader User's Guide (Order No: CM2U8373E)
- VISOTOOL Editor Basics (Order No: UXPS0303E) or
New VISOTOOL Editor User's Guide (Order No: CM2B8361E)

Where do I find further information?

The "RELEASE.DOC" file, which is included on the installation diskette, contains additional information.

Note

We strongly recommend that you read the "RELEASE.DOC" file carefully before using VISONIK upload in order to obtain current information on the latest version!

Version information

This User's Guide refers to ETS Version 1.40 and VISONIK Upload version 1.40.

1.2 Field of application

For which system? VISONIK Upload is for use with VISONIK systems only.

Tasks VISONIK Upload is for saving the VISONIK configuration of a DCS, BPS or PRV to the Exchange Database (EDB). The data is then available for editing with ETS.

This is required for the following purposes:

- Document the current configuration after commissioning
- Print new I/O module labels to reflect changes made during commissioning
- Obtain the current configuration data of an existing system for use in an enhancement project.
- Obtain the current configuration data of an existing system in order to combine systems or system parts.
- Obtain configuration data for the VISOTOOL Popcard Editor

1.3 Upload Concept

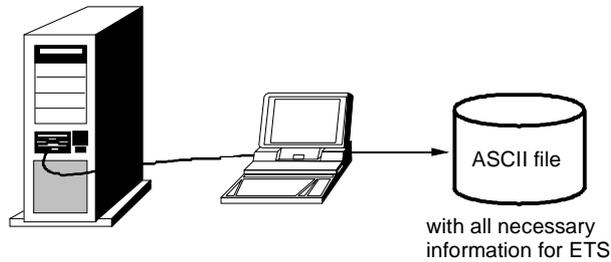
Situation

- A VISONIK project has been engineered, and the DCS and controllers are configured.
- The configuration has been changed during installation, or subsequent additions are required.

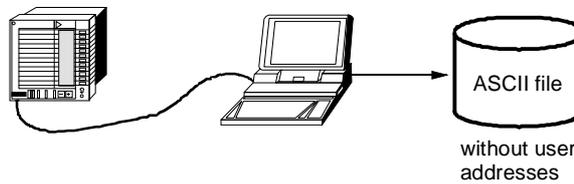
Concept

Step 1: In order to be able to post-edit an existing configuration in ETS, upload parts of the configuration from the DCS or BPS/PRV:

From DCS



From BPS/PRV



...step 2

8370201E

Step 2: Edit the data in VISONIK Upload and save it to the EDB. You can then use the data in SDT Shell and PRVCONF:



Fundamentals

- VISONIK Upload is used to save the configuration data to the EDB. Since errors in the ASCII files from the DCS or BPS/PRV can cause problems during processing in VISONIK Upload, we recommend that you load and check the data **on site** so that you can make any necessary corrections immediately.
- Use SDT Shell and PRVCONF to process the data. Use PRVCONF to add plants that have been created with PDT.
- VISONIK Upload V1.40 cannot update existing data. This means:
 - Data sets from completed project phases are treated as separate project versions in ETS. The existing ETS data remains intact.
 - The upload file is not incorporated into an existing ETS project.
 - VISONIK Upload creates a new project. Write each upload file to the EDB only once.
- You can write upload files from different controllers to a project in a number of steps.
- Upload only the data from the DCS or BPS/PRV that is required for the project.

2 Starting with VISONIK Upload

2.1 Starting VISONIK Upload



Double-click the VISONIK Upload Icon.

2.2 VISONIK Upload toolbar

Explanation

For increased efficiency, VISONIK Upload provides a toolbar that contains frequently used functions. Activate a particular function by clicking the corresponding icon.

The toolbar and its functions



No.	Function
1	Create a new project
2	Open an existing project
3	Load a BPS file
4	Load a PRV file
5	Load a DCS file of version V12 or higher
6	Load a DCS file of version V10 or lower
7	Edit controller data
8	Edit plant and point data

2.3 Saving data

Saving data

One EDB, in which the data from numerous upload files can be saved, is created for each project. However, save the data uploaded from each BPS, PRV or DCS to the EDB **only once** using the “Save to EDB” function, because VISONIK Upload cannot update existing data.

Note

If you save the same file repeatedly, you create multiple controllers with the same address.

Archiving data

SDT Shell is used to archive the data of the entire project (see “SDT Shell User's Guide, Order No: CM2U8379E).

2.4 Terminating VISONIK Upload

You can terminate VISONIK Upload at any time. If your project contains unsaved changes, a message is displayed.

Select "Project / Exit" to terminate VISONIK Upload.

3 Workflows for various applications

Situations

- A) Corrections were made during commissioning. This means that new documentation is required.
- B) The customer wants an improvement or enhancement of his/her plant at a later date. The current, relevant configuration data should provide the basis for the enhancement.

3.1 Creating project documentation after changes

Situation A)

A number of changes have been made to the configuration of a controller during commissioning. The customer requires the current project documentation and I/O module labels.

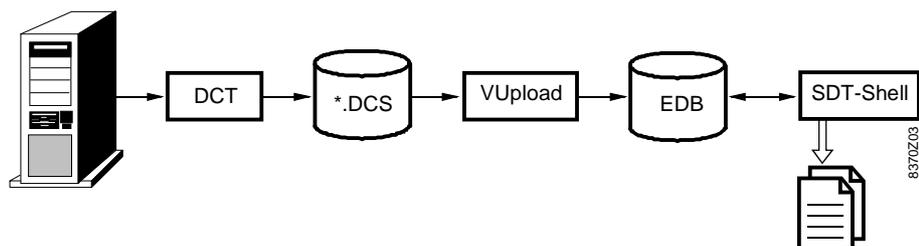
Procedure

You first create a database (EDB) with the correct configuration. Then you create the documentation and I/O module labels for the parts that have changed. Finally, you replace the old documentation and exchange the I/O module labels.

Quick guide

Proceed as follows:

Step	Procedure	Detailed instructions						
1	Upload the data from the DCS or BPS/PRV.	Page 18 Page 17						
	<table border="1"> <tr> <th>If the data is from ...</th> <th>you get configuration data for ETS ...</th> </tr> <tr> <td>DCS</td> <td>with user addresses</td> </tr> <tr> <td>BPS/PRV</td> <td>without user addresses</td> </tr> </table>		If the data is from ...	you get configuration data for ETS ...	DCS	with user addresses	BPS/PRV	without user addresses
	If the data is from ...		you get configuration data for ETS ...					
DCS	with user addresses							
BPS/PRV	without user addresses							
2	Start VISONIK Upload.							
3	Create a new project ("Project / New").	Page 20						
4	Load the DCS or BPS/PRV data ("Project / Load ...").	Page 20						
5	Check the controller data ("Edit / Controller Data") and make any necessary corrections.	Page 21						
6	Check the plant and point data ("Edit / Plant and Point Data") and make any necessary additions.	Page 22						
7	Check the data ("Project / Check Data").	Page 24						
8	Save the data to the EDB ("Project / Save to EDB").	Page 24						
9	Terminate VISONIK Upload.							
10	Print the documentation of the installation and the I/O module labels in SDT Shell.	Page 25						



3.2 Preparing enhancement projects

Basic rules

- If a DCS version change is required, it must be done first.
- If EKL-X are to be replaced by PRV..., the Regional Company-specific procedures for exchanging the I/O modules must be applied.

Why is the existing data needed?

- Text catalogues:
To avoid conflicts with existing text addresses and to utilize the existing texts
- User address structure:
To avoid conflicts with existing user addresses
- Point addresses:
To avoid conflicts with existing point addresses

Different types of enhancement projects

- Situation B1:** 3.2.1 Enhancement project for existing controllers
- Situation B2:** 3.2.2 Enhancement project with additional controllers
- Situation B3:** 3.2.3 Integrating controllers into an existing DCS
- Situation B4:** 3.2.4 Integrating controllers into a new DCS

3.2.1 Enhancement project for existing controllers

Situation B1)

The customer requires additional plants to be added to existing controllers. No changes are to be made to the existing configuration.

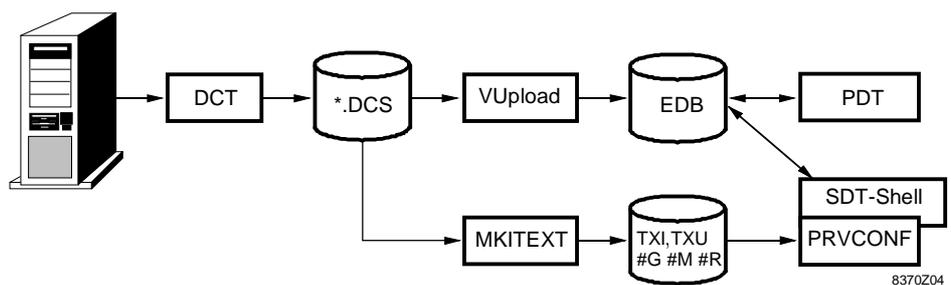
Procedure

You create databases with the configurations of the controllers to be appended (EDB) and with the existing text catalogues (REZ). You use these databases as the basis for the enhancement project.

Quick guide

Proceed as follows to prepare the enhancement project:

Step	Procedure	Detailed instructions
1	Upload the data from the DCS.	Page 18
2	Start VISONIK Upload.	
3	Create a new project ("Project / New").	Page 20
4	Load the DCS or BPS/PRV data ("Project / Load ...").	Page 20
5	Check the controller data ("Edit / Controller Data") and make any necessary corrections or additions.	Page 21
6	Edit the plant and point data ("Edit / Plant and Point Data").	Page 22
7	Check the data ("Project / Check Data").	Page 24
8	Save the data to the EDB ("Project / Save to EDB").	Page 24
9	Terminate VISONIK Upload.	
10	Print the documentation of the existing configuration in SDT Shell.	Page 25
11	Create the text database for PRVCONF.	Page 25
12	Continue in PDT and PRVCONF.	



Notes

- If data is uploaded directly from a BPS or PRV, it contains no user addresses. We therefore recommend uploading the relevant data from the DCS (not possible in the case of stand-alone controllers).
- Save the data to the EDB **only once**, because VISONIK Upload cannot update existing data.

3.2.2 Enhancement project with additional controllers

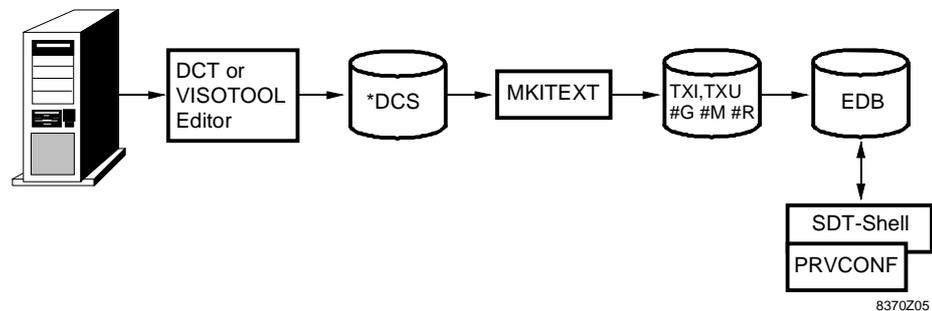
Situation B2)

The customer requires new controllers for new plants.

Procedure

Enhancement projects where only new controllers are added require only the text library. Edit the project in PRVCONF.

See "PRVCONF User's Guide" (Order No: CM2U8375E).



3.2.3 Integrating controllers into an existing DCS

Situation B3)

A system that includes a DCS with integrated and stand-alone controllers is present. Integrate the stand-alone controllers into the DCS to achieve a uniform system.

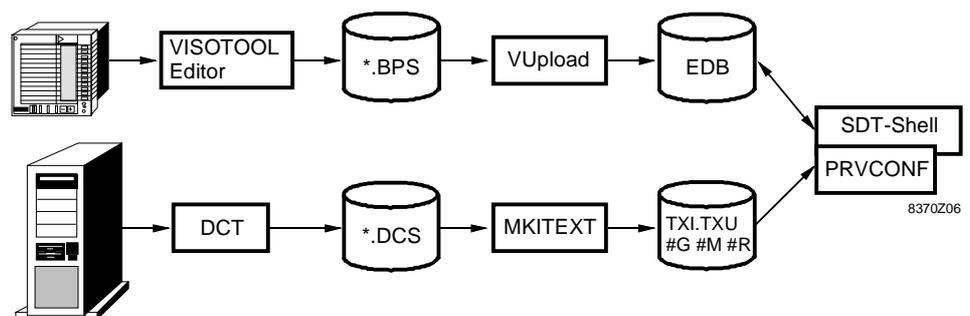
Procedure

Create databases with the configurations of the controllers to be integrated (EDB) and with the existing DCS text catalogues (REZ). Then assign user addresses to the data points in PRVCONF and create new text numbers that are compatible with the DCS.

Quick guide

Proceed as follows to prepare the enhancement project:

Step	Procedure	Detailed instructions
1	Upload the data from the BPS/PRV.	Page 17
2	Start VISONIK Upload.	
3	Create a new project ("Project / New").	Page 20
4	Load the BPS/PRV data ("Project / Load ...").	Page 20
5	Check the controller data ("Edit / Controller Data") and make any necessary corrections or additions.	Page 21
6	Edit the plant and point data ("Edit / Plant and Point Data").	Page 22
7	Check the data ("Project / Check Data").	Page 24
8	Save the data to the EDB ("Project / Save to EDB").	Page 24
9	Repeat steps 4 to 8 for each remaining BPS/PRV.	
10	Terminate VISONIK Upload.	
11	Create the text database for PRVCONF.	Page 25
12	Continue in PRVCONF.	



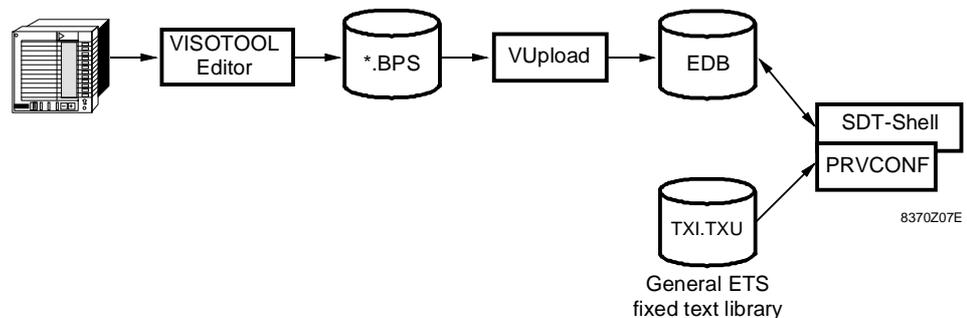
3.2.4 Integrating controllers into a new DCS

Situation B4) Only stand-alone controllers are available. Integrate them into a new DCS to create a complete system.

Procedure Create a database with the configurations of the controllers to be integrated (EDB) Then assign user addresses to the data points in PRVCONF and create new text numbers that are compatible with the ETS text library.

Quick guide Proceed as follows to prepare the enhancement project:

Step	Procedure	Detailed instructions
1	Upload the data from the BPS/PRV.	Page 18
2	Start VISONIK Upload.	
3	Create a new project ("Project / New").	Page 20
4	Load the BPS/PRV data ("Project / Load ...").	Page 20
5	Check the controller data ("Edit / Controller Data") and make any necessary corrections or additions.	Page 21
6	Edit the plant and point data ("Edit / Plant and Point Data").	Page 22
7	Check the data ("Project / Check Data").	Page 24
8	Save the data to the EDB ("Project / Save to EDB").	Page 24
9	Repeat steps 4 to 8 for each remaining BPS/PRV.	
10	Terminate VISONIK Upload.	
11	Continue in PRVCONF.	



4 Detailed steps in the workflows

General	The individual steps in the workflows with VISONIK Upload are basically the same for all project types.
Recommendation	Upload the configuration, and check the file in VISONIK Upload on site .
Step-by-step commissioning	If commissioning is performed in a series of steps: <ul style="list-style-type: none">• Create a project for each step.• Upload only the data from the DCS or BPS/PRV that you need for that particular step.

4.1 Uploading data from a BPS or PRV

Purpose	In order to obtain the existing text catalogues and point addresses of a controller for a project, upload the current data from the controller.
Using VISOTOOL Editor	VISOTOOL Editor provides a special function for uploading from an EKL, PRV1 or BPS for ETS Import.
VISOTOOL Editor	Use the "Load/Save / Save All" function with the "ETS Upload" save option. Save the file with the extension *.PRV or *.BPS. You can find a detailed description in the "VISOTOOL Editor Basics" document (Order No: UXPS0303E).
New VISOTOOL Editor	Use the "Transfer / Predefined Upload" function with the "ETS - Load All From BPS For ETS Import" option. Save the file with the extension *.PRV or *.BPS. You can find a detailed description in the "New VISOTOOL Editor User's Guide" (Order No: CM2B8361E).
Notes	<ul style="list-style-type: none">• Uploaded files from BPS or PRV contain no user addresses, because they are not stored in the controller.• Uploaded files from BPS or PRV contain only the data point texts and units stored in the controller.• Only data points but no I/O module information can be uploaded from an EKL. EKL controllers are treated like PRV and saved with default P-Bus module information (see 5.3 "Default I/O modules").• The VISOTOOL Editor described in the above does not support uploading via DUS (substation dialogue) through the DCS.

4.2 Uploading data from a DCS

Purpose

In order to obtain the existing text catalogues, user addresses and point addresses of parts of a system, upload the current data from the DCS.

Using DCT-RUN

Proceed as follows:

Step	Procedure
1	<p>Open the appropriate command file in the \VISOTOOL.4\DCS_LOAD directory:</p> <p>For German, Version 10: "UpV10Ger.Cmd" For German, Versions 12 to 16: "UpV14Ger.Cmd" For English, Version 10: "UpV10Eng.Cmd" For English, Versions 12 to 16: "UpV14Eng.Cmd"</p> <p><i>Example with "UpV14Ger.Cmd":</i></p> <pre>SYSTEM ;name="*" ;par=1;; PARTNER ;lu=192;mu=0.; COM_PORT ;com=com1;bd=9600;mk=0.; VISUM_PW ;vi=7dc09a40e6ff59;pw=d865d80243ff7d; ;XX,0; // [GERMAN] ;PKX,\$d2'*\$..\$d200'*,...,NAME,LIST,... ;PRO,GPR,\$d2'*\$..\$d200'*,...,; ;TX,Ig,0,*; ;TX,Im,0,*; ;TXIU,Ip,0,*; ;TX,Ug,0,*; ;TX,Um,0,*; ;TXIU,Up,0,*; ;BYE</pre>
2	<p>Modify the following lines in the command file:</p> <ul style="list-style-type: none"> • No change: SYSTEM ;name="*" ;par=1;; • Set the partner address of the DCS: PARTNER ;lu=0;mu=0 • Set the PC COM port: COM_PORT ;com=com1;bd=9600;mk=0 • Set the address range of the controller: German: ;PkX,\$d1'*\$..\$d200'*,...,NAME,LIST,... English: ;PNX,\$d1'*\$..\$d200'*,...,ADDR,LIST,... • set the address range of the controller: German: ;PRO,GPR,\$d1'*\$..\$d200'*,...,; English: ;RPT,SYSR,\$d1'*\$..\$d200'*,...,; <p><i>Note:</i> For a detailed parameter description, see "DCS Loader User's Guide" (Order No: CM2U8373E)</p>

Same address range

Step	Procedure
3	<p>If you want to use a different language for communicating with the server:</p> <ul style="list-style-type: none"> • Set the language, e.g. ;XX, 2 • Translate all commands <p><i>Note:</i> VISONIK Upload can only analyze the data if German or English standard keywords are present.</p>
4	<p>Ensure that:</p> <ul style="list-style-type: none"> • you are logged onto the DCS with priority 7/7 and have access to the "\$*" address range. • the DCS contains the current configuration data of the controllers. <p><i>Note:</i> We recommend that you update the data of the required controllers using the parameter "OP=Gacq" (General Acquisition).</p>
5	<p>Start the DCT_RUN program via DOS command with the correct command file:</p> <pre>DCT_RUN UpVnnxxx.CMD username password</pre> <p><i>Result:</i> The program displays the commands and errors (red) in an output window and writes them to a file called "DCT.REP"</p>
6	<p>Rename the file to "****.DCS"</p>

4.3 Editing the data in VISONIK Upload

4.3.1 Create a new project

Purpose You must create or select a project directory and a database (EDB).

Note A new project is created for each application case, regardless of whether the data is already present from an existing ETS project. The same applies to every new upload from the same controllers. A separate directory is created for the uploaded data. The new configuration for the enhancement is also saved in this directory.

How do I proceed?

Step	Procedure
1	Start VISONIK Upload.
2	Select "Project / New" — the "New Project" window is displayed.
3	Select the drive and project directory, then enter the project name (do not use special characters) Confirm with [OK].
5	Complete the text entry fields in the "Project Attributes" dialog box. Confirm with [OK].

Entering project attributes Enter meaningful information in all of the text entry fields, and remember especially to enter your name. This information appears automatically in the headers / footers of the reports generated in SDT Shell. This makes later checking easier and improves the quality of documentation.

4.3.2 Loading data from a BPS, PRV or DCS

Purpose The upload file must be analyzed and tested, and the configuration must be prepared so that it can be saved to the EDB (data compatibility between versions).

BPS data Select "Project / Load BPS", and choose the appropriate file (*.BPS).

PRV data Select "Project / Load PRV", and choose the appropriate file (*.PRV).

DCS data Select "Project / Load DCS", and choose the appropriate file (*.DCS).

Notes

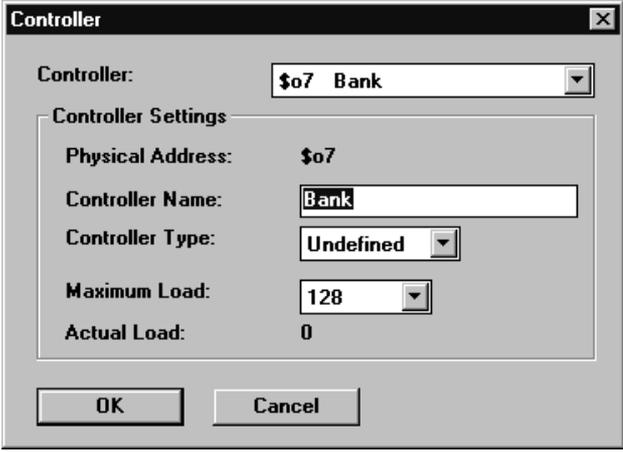
- The configuration is tested automatically during loading. VISONIK Upload cannot proceed with the loading operation if certain errors occur. Any errors in the configuration must be corrected (see 5.1 "Correcting errors in the data").
- It takes a certain amount of time to load the data from a DCS: 1 hour for 10'000 points.

4.3.3 Checking controller data

Purpose The upload file contains information about controllers. This data must be checked and may require some corrections or additions before you can save it to the EDB. The controller name and type are required in every case.

General The “Controller” window contains a dropdown list box with the title “*Controller*”, which contains a list of all controllers in the upload file.

How do I proceed?

Step	Procedure
1	Select "Edit / Controller Data" — the "Controller" window is displayed.
	 <p style="text-align: right; margin-right: 20px;">8370002</p>
2	Select the controller from “ <i>Controller</i> ” dropdown list box.
3	Check the contents of the following fields: <ul style="list-style-type: none"> • “<i>Controller Name</i>” • “<i>Controller Type</i>”
4	Correct any incorrect or missing entries.
5	Confirm with [OK].

4.3.4 Editing plant and point data

Purpose

In order to be able to make suitable use of the data in SDT Shell (reports) and PRVCONF, assign the uploaded data points without group numbers to plants. Create any missing plants. In addition, make sure that the TXI and TXI2 texts are used in conformance with ETS.

How do I proceed?

Step	Procedure
1	Select "Edit / Plant and Point Data" — the "Plants and Points" window is displayed.
2	Select the appropriate controller in the "Controller" dropdown list box.
3	Check the assignment of the TXI/TXI2 texts.
4	Enter the plant names and create any missing plants, if necessary.
5	Assign the data points without group numbers to the plants.

The data point window

When you select "Edit / Plant and Point Data", the data point window "Plants and Points" is displayed.

Structure

The data point window "Plants and Points" displays all data points of the selected controller with their attributes.

Selected controller

Controller: \$o10 Kt.Bank St.Gallen

Text Order
 TXI is Descr. Text
 TXI is Aux.Descr. Text

Controller Settings

Points:

Group	Typ	Addr	User Name	Description Text	Aux. Descr. Text
101	ML	\$003	ZSU1'171'SJ03'SA03'K010'D0	Druckluft	Schaltschrank
101	ML	\$002	ZSU1'171'SJ03'SA03'S010'D0	Hauptschalter	Schaltschrank
0	SB1	\$013	ZSU1'171'SJ03'SJ03'H009'S0	Netzwiederkehr	Schaltschrank
0	SB1	\$010	ZSU1'171'SJ03'SJ03'H001'S0	Sammelalarm	Schaltschrank
0	SB1	\$011	ZSU1'171'SJ03'SJ03'H002'S0	Sammelalarm	Schaltschrank
101	ML	\$000	ZSU1'171'SJ03'SJ03'F010'D0	Steuerspannung	Schaltschrank
0	SB1	\$012	ZSU1'171'SJ03'SJ03'H000'S0	Watch-Dog	Schaltschrank
102	MW	\$231	ZSU1'171'SJ03'KL08'B826'M	ABL-Feuchte	TT-Automatenraum
102	ML	\$033	ZSU1'171'SJ03'KL08'F933'D0	ABL-Str'munq	TT-Automatenraum
102	MW	\$221	ZSU1'171'SJ03'KL08'B806'M	ABL-Temp.	TT-Automatenraum
102	ML	\$031	ZSU1'171'SJ03'KL08'F130'D0	ABL-Vent.Th.	TT-Automatenraum

Plants:

Group	Plant Name
101	Schaltschrank
102	TT-Automatenraum

New Plant ... Assign Point(s) to Plant Edit Plant ... Delete Plant

OK Cancel

8370003

Group number (Group)

Data points with the same group number belong to the plant for which the group number was defined.

The following rules apply:

- Data points displayed in grey type were already assigned to a group in the upload file and are not editable.
- Data points with the group number 0 are not yet assigned to a plant.
- Data points with a group number greater than 0 and black type have been manually assigned in VISONIK Upload.

Sorting

Click a column heading to sort the table in ascending alphabetical or numerical order according to the contents of that column.

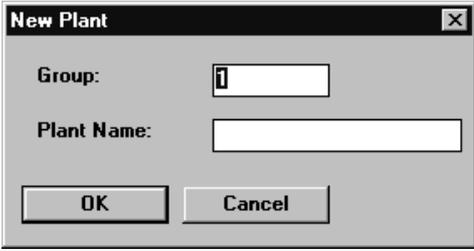
Text allocation (Text Order)

Depending on the configuration, the data point name appears either in the "Description Text" column or in the "Auxiliary Description Text" column.

In ETS the data point name must be in the "Description Text" column, and the plant name must be in the "Auxiliary Description Text" column. If necessary, exchange the text fields by selecting the "Text Order" option.

Creating plants

If the upload file contains no group definitions, you must first define plants with their group numbers:

Step	Procedure
1	Click [New Plant] — the "New Plant" window is displayed.  8370004
2	Make the following entries: <ul style="list-style-type: none">• Enter the group number in the "Group" field.• Enter the plant name in the "Plant Name" field.
3	Confirm with [OK].

Rules for group numbers

Numbers 1 - 15 are used for plants with user operation; numbers 101 and higher are used for plants without operation.

Inserting plant names

Insert the plant names for plants that were taken from the upload file.

Click [Edit Plant] — the "Edit Plant" window is displayed. Type the plant name in the "Plant Name" field.

Deleting plants

You can delete plants that you have created in VISONIK Upload, but you cannot delete plants that were taken from the upload file. An error message is displayed if you try to do so.

Click [Delete Plant] — the plant will be deleted.

Assigning points to plants

After you have created the plants for the selected controller, assign the points to the plants:

Step	Procedure
4	Click a plant in the "Plants" field.
5	Highlight a point or a number of points in the "Points" list.
6	Click [Assign Point(s) to Plant].
7	Repeat this procedure until all points have been assigned to plants. Confirm with [OK].

Note

If there are unassigned points, a plant with the same name as the controller is created in the EDB.

4.3.5 Checking the data

Purpose	Check the data for errors before saving it to the EDB.
How do I proceed?	Select "Project / Check Data" — the system checks the data. A message is displayed in case of errors or missing information.

Example:

```
Checking Data...
The Controller Type of the Controller $o7 Bank is undefined.
Error #113: The data of the Controller(s) is not complete. The
data can't be saved to the EDB.
Please enter the missing data and try again.
```

4.3.6 Saving the data to the EDB

Purpose	The data is saved to the EDB so that it is available for processing in SDT Shell and PRVCONF.
How do I proceed?	Select "Project / Save to EDB". The data is saved to the EDB. A message is displayed if the data is incomplete or contains errors.
<i>Note</i>	Save the data to the EDB only once , because VISONIK Upload is not able to update existing data.

4.4 Printing documentation and I/O module labels

Purpose

It always makes sense to create documentation to cover the current status. If the installation has been changed, new I/O module labels must be printed.

How do I proceed?

Step	Procedure
1	Select "Project / Exit" to terminate VISONIK Upload.
2	Start SDT Shell and open the project.
3	Print the reports by selecting "Lists / Print" .
4	Print the I/O module labels by selecting "Generators / Label".

4.5 Creating a text database

Purpose

In enhancement projects, it is important to use the same text database as in the existing configuration. The DCS reads the current data and creates a text database from it.

Texts from the DCS upload file

Proceed as follows:

Step	Procedure
1	Copy the DCS upload file (*.DCS) to the project directory.
2	Create a text library using the following DOS command: <code>C:\ETS_PROG\MKITEXT project_directory\upload_file project_directory</code> Result: VISITEXT.IDZ, VISITEXT.REZ, VISUTEXT.IDZ, VISUTEXT.REZ

5 Detailed Information

5.1 Correcting errors in the data

Explanation The files loaded by VISONIK Upload (*.DCS, *.BPS or *.PRV) can contain errors, especially if the data was uploaded via modem.

Error messages Possible error messages are explained in the following table:

Situation / message	Cause	Solution
Error #112: The Upload File can't be read	The file cannot be analyzed. The file may have an incorrect or illegal structure.	Check the file in the vicinity of the line number indicated by the error message.
	BPS /PRV: <ul style="list-style-type: none"> The file may not have been created with the "ETS Upload" option in VISOTOOL Editor. 	BPS /PRV: <ul style="list-style-type: none"> Create a new file with VISOTOOL Editor (see page 17)
	DCS <ul style="list-style-type: none"> Keywords are missing in the DCS text catalogue, or the keywords are not the same as in English or German. The file contains illegal insertions from the DCS. The reports are mixed up by the DCS. The wrong command file was used to create the file. 	DCS <ul style="list-style-type: none"> Add the missing keywords in the DCS or change the language. Remove the illegal insertions (see further down for details). Create separate files with the PKX and PRO GPR reports, then combine them. Create a new file using the correct command file (see page 18)
Warning #12, #14: The Text Reference ... appeared 1 times in the point report but was not found in the Text Catalogues!	An individual text is missing in the text catalogue.	Add the text to the upload file and to the controller or DCS.

Situation / message	Cause	Solution
Warning #12, #14: The Text Reference ... appeared ... times in the point report but was not found in the Text Catalogues! ⇒ displayed a number of times	Texts and units are assigned to data points. However, the texts or units were not found.	Check the file to see whether the texts and units are present.
	BPS /PRV: • Texts and units are missing in the controller	BPS /PRV: • Add the texts and units from the DCS (see page 30)
	DCS • Text catalogues are missing. • Incorrect language selected.	DCS • Check the text catalogues in the system. • Upload in the correct language.
Warning #24: The controller \$XXX is already in the EDB	The data of this controller is already present in the EDB.	Close the project and create a new one.
Warning #28: The following Points from the Controller \$XXX have no IO-Module information.	The I/O module information is missing for the listed points.	Update the DCS data with the parameter "OP=Gacq" (General Acquisition), or add the I/O information later in PRVCONF.
Warning #29: The Controller \$XXX contains unknown IO-Module Combinations.	The DCS data is not updated.	Update the DCS data with the parameter "OP=Gacq" (General Acquisition).
Warning #31: No Controller information about the Controller \$XXX is found.	Information is missing for the controller indicated.	Select "Edit / Controller Data" and define the entries.
Error #113: The data of the Controller(s) is not complete.	During the test of the data, information on controllers was found to be missing.	Enter the missing information indicated.

Notes

- Upload only the data that you need for the project from the DCS or BPS/PRV.
- If the upload file contains too many errors, it may be preferable to upload the file on site again.

Direct correction of errors in the upload file

You can correct some errors directly in the MS-DOS editor that is launched in VISONIK Upload.

How do I proceed?

Step	Procedure
1	Select "View / Upload File" to display the file.
2	Find the line indicated in the error message. Use PAGE DOWN and ↓ Keep an eye on the status bar.
3	Correct the error.
4	Select "File / Save" to save the file.
5	Select "File / Exit" to return to VISONIK Upload.
6	Load the file again.

Frequently occurring errors

- Duplicated lines
- Missing or superfluous spaces
- Missing module type for a defined point type
- Missing point type
- Incorrectly read characters (e.g. special characters instead of spaces).
- Timestamp

Which warnings always require corrective action?

When you load a file, mostly warnings about missing controller, data point and text information are displayed. However, the file is loaded anyway. Add the missing information in VISONIK Upload and save the data to the EDB.

Select "File / Check Data".

This provides you information on which items you have to edit in VISONIK Upload.

Data compatibility with PRVCONF

Although the CVP point type is saved to the EDB, it causes the error message "Point type out of range" when the data is transferred to PRVCONF.

Acknowledge the message — the point type is not transferred to PRVCONF.

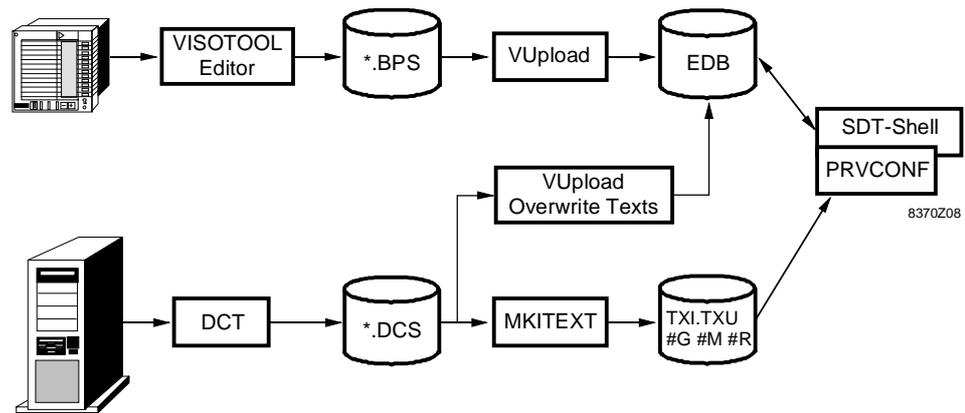
5.2 Adding DCS texts to a BPS configuration

Purpose

The I/O configuration of a BPS integrated into a DCS is uploaded from the BPS and the user names and data point texts are assigned from the DCS.

How do I proceed?

Step	Procedure	Detailed instructions
1	Upload the data from the BPS.	Page 17
2	Load the BPS data ("Project / Load ...").	Page 20
3	Upload the data from the DCS.	Page 18
4	Load the DCS data ("Project / Load ...").	Page 20
5	Select "Project / Overwrite Texts".	



5.3 Default I/O modules

The following default I/O modules are used if VISONIK Upload can find no valid I/O module information:

Point type	I/O module
ML	4D20
MW	2R1K
ZW	2C
SB	2Q250
SBR1	4QD
SBR2	4QD-M2
SBR3	3Q-M3
STU	4Y10S
STP	1PSI20-M
ST3P	2Y250T

5.4 INI files

VISONIK Upload uses two *.INI files in the \WINDOWS directory.

VUPLOAD.INI

Contains information on data sources and the required behaviour in case of errors. The file has the following contents in its as-supplied state:

```
[Properties]
BpsExt=*.bps
PrvExt=*.prv
DcsExt=*.dcs

MissedTextRefLimit=10
Editor Name=Edit.com

[Folders]
GrammarFiles=C:\ETS_PROG

[Exchange DB]
Data Source Name=Visonik Upload EDB

[Recent Project List]
```

MissedTextRefLimit

Number of warnings issued in case of missing text.

ODBC.INI

Contains information for accessing the EDB and EDBDEF.

```
[ODBC Data Sources]
Visonik Upload EDB=Microsoft Access Driver (*.mdb)

[EDB-Definition]
Description=ETS Exchange-Database
Driver=C:\WINDOWS\SYSTEM\ODBCJT16.DLL
DriverId=25
FIL=MS Access
JetIniPath=odbcddp.ini
DBQ=C:\ETS_PROG\EDBDEF.MDB
DefaultDir=C:\ETS_PROG

[Visonik Upload EDB]
Description=Visonik Upload EDB
Driver=C:\Windows\System\odbcjt16.dll
Driverid=25
Fil=MS Access
Jetinipath=odbcddp.ini
Uid=admin
DBQ=C:\ETS_DATA\
DefaultDir=C:\ETS_DATA\
```

5.5 Frequently asked questions

Do all warnings require action?

No. You can obtain information on which warnings require corrective action by selecting "Project / Check Data". Make all other corrections in PRVCONF.

What happens if I save a file twice?

Because VISONIK Upload is not able to update existing data, do not upload and save the same file twice.

If you load a file more than once, VISONIK Upload displays the following warning message:

```
Warning #24: The Controller $XX is already in the EDB.
```

If you save the data, new controllers with the same address are created.

If you actually have to reload a file, create a new project.

