

UMESS

Option 8 Managing Control Data Catalogs

Operating Instructions



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Preface

It is here assumed that the user is familiar with the coordinate measuring machine and its components. Please keep all printed materials delivered with the measuring machine ready to hand at all times.

Principles in this operating manual

Before starting to work with this manual, the user has to familiarize himself with the applied principles.

In the following, you will find information on the used font types, signs and symbols.

Typographic principles

The font types and font schemes used in this manual have the following meaning:

- **bold face**
 - Dialog element on the screen
Example: "... the button **<TERMIN>**"
 - Term
Example: "During calculation, the location of a **measuringelement** in relation to a **reference element** is determined."
 - File and directory names
Example: **/home/zeiss/UB**
- *italic*
 - Highlighted text of which the content is very important
Example: "Click with the *right* mouse button ..."
 - Cross reference
Example: "..., see also ► *"Basic menu for the control data catalog administration" on page 2-1*"
- Courier
Program code, file contents
- Courier bold face
Text in dialog windows and protocols

Signs and symbols

Special signs and symbols are used in this manual:

Symbols for warnings and information



Danger!

In this case, special care is called for. The warning triangle indicates risk of injury. Non-observance of this warning may cause personal injury.



Attention!

This symbol warns against situations which may lead to loss of data, measuring errors, errors in the measuring run, collisions or damage to the machine and workpiece.



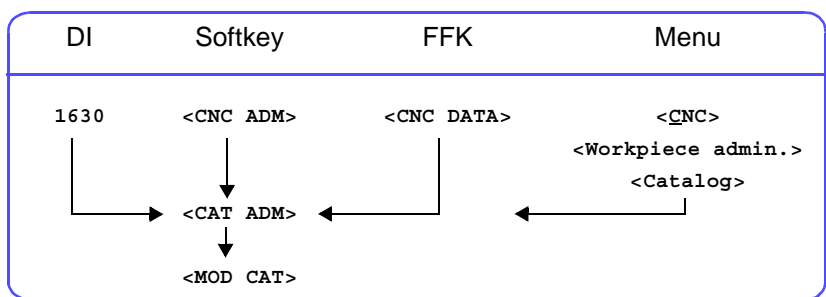
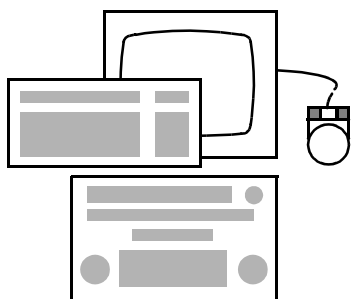
The **Note** symbol is shown next to important text and helpful additional information.

Symbol for function call

There are several possibilities:

- Direct input by means of the DI number
- Function selection by means of the pull-down menu
- Selection by means of icons

Example:



Symbol for softkey

Reference to softkeys in dialogs.

Overview of chapters

This manual describes the administration of control data catalogs, UMESS Opt.8.

The following subjects are described:

- *“General” on page 1-1*
- *“Basic menu for the control data catalog administration” on page 2-1*
- *“Changing or deleting a password” on page 3-1*
- *“Defining the output” on page 4-1*
- *“Changing the control data catalog” on page 5-1*
- *“Creating a new control data catalog” on page 6-1*
- *“Modifying or deleting a control data catalog” on page 7-1*

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Chapter



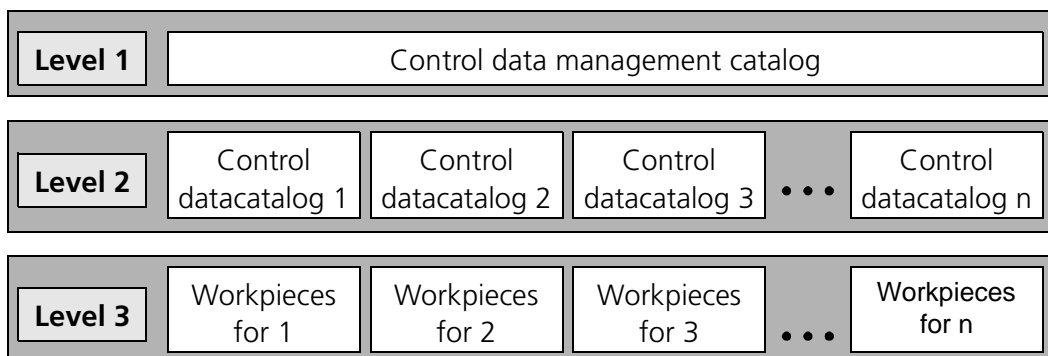
General

This option comprises those catalog functions with which you can manage several control data catalogs.

Control data is the coded commands of a CNC program (see UMESS operating instructions). The term **workpiece** is also used for CNC programs.

The CNC programs are comprised in a control data catalog. Using this option you can also create several control data catalogs.

Catalog structure of the control data management



The control data catalog administration has the following tasks:

- To create new control data catalogs
- To change between the control data catalogs

- To change or delete the password for a control data catalog
- To change or delete control data catalogs
- To define the output

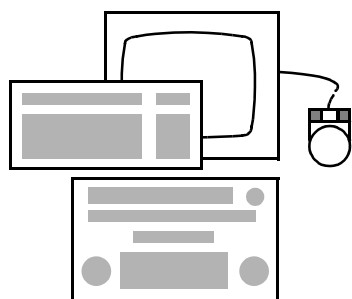
You call the catalog functions from the **UMESS main menu**:

Meas. software main functions

☐ Direct input

STANDARD	GEO.ELEM	TRANSF	LINKING	*	GDT 7184	PROBE	TRAVEL	CNC
SPEC PRG	MODE	ADD OUTP	FORMPLOT		COMPLINK	RT 05	TECHNIC	CNC ADM

Function call



DI	Softkey	FFK	Menu
1630	<CNC ADM>	<CNC DATA>	<CNC> <Workpiece admin.> <Catalog>

Input mask

CNC adm.: Main menu

☐ WP code

Cat name: Performance mode

Workpiece name

Comment


CNC RUN	CNC LIST			*	PROG	CATALOG	WP ADM	CAT ADM
BACK	CNC CORR							INFO

Input fields

WP code (max. 10 characters)

Workpiece name (max. 30 characters)

Comment (max. 30 characters)



To select a workpiece, you have to enter the workpiece identification or the workpiece name or the applicable comment. Your input is checked immediately. If the workpiece identification, workpiece name or comment does not exist in the control data catalog, an error message is output.

With the **<CATALOG>** softkey, you can list the existing workpieces in a screen and select the workpiece desired from this list. The workpiece identification, workpiece name or comment is then transferred to the input mask.

Softkeys

CNC RUN	To start the CNC run = <DI 1640> (see UMESS operating instructions).
CNC LIST	To list control data on screen/printer = <DI 1641> (see UMESS operating instructions).
PROG	To program CNC runs = <DI 1639> (see UMESS operating instructions).
CATALOG	To output the workpiece catalog on screen (see UMESS operating instructions).
WP ADM	To manage workpieces = <DI 1630> (see UMESS operating instructions).
CAT ADM	To manage control data catalogs, option Opt.8 (see following chapters).
CNC CORR	To change/correct control data = <DI 1642> (see UMESS operating instructions).

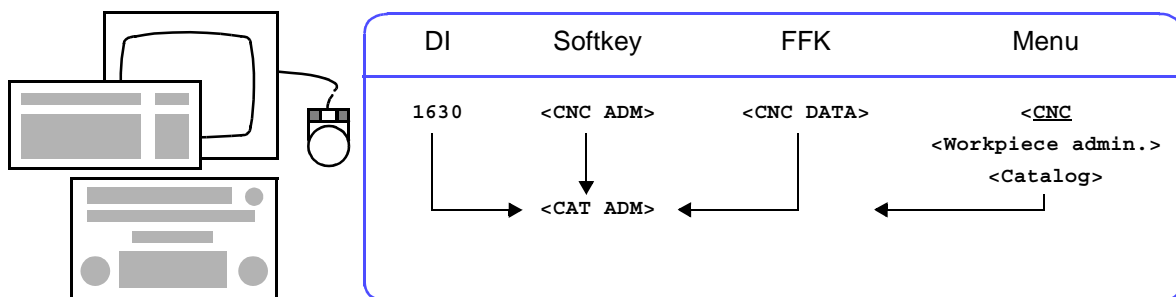
Chapter

2

Basic menu for the control data catalog administration

You call the main menu of the control data catalog administration with the **<CAT ADM>** softkey. Using the softkeys, you can call here the individual program functions of the control data catalog administration.

Function call



Input mask

CNC adm.: Main menu				Cat name: Catalog for meas. library			
C	WP code			Workpiece name			
				Comment			
PASSWORD	DEF OUTP			*	CHAN CAT	CREA CAT	MOD CAT
BACK							INFO

Input fields

WP code	(max. 10 characters)
Workpiece name	(max. 30 characters)
Comment	(max. 30 characters)

To select a workpiece, you have to enter the workpiece identification or the workpiece name or the applicable comment. Your input is checked immediately. If the workpiece identification, workpiece name or comment does not exist in the control data catalog, an error message is output.

Softkeys

PASSWORD	➤ "Changing or deleting a password" on page 3-1
DEF OUTP	➤ "Defining the output" on page 4-1
CHAN CAT	➤ "Changing the control data catalog" on page 5-1
CREA CAT	➤ "Creating a new control data catalog" on page 6-1
MOD CAT	➤ "Modifying or deleting a control data catalog" on page 7-1

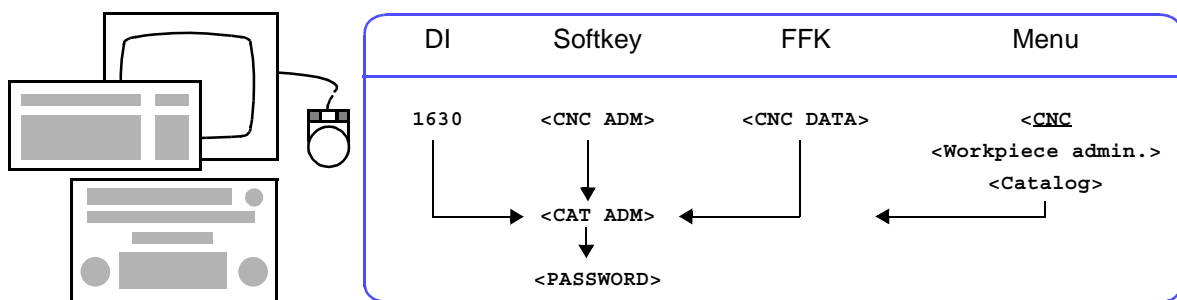
Chapter 3

Changing or deleting a password

With the **<PASSWORD>** program function, you can change or delete a password recorded for the control data catalog. Select a password which will be easily remembered by all users with access rights and which is easy to write.

You do not have to record a password for every control data catalog, see ► *"Deleting passwords" on page 3-2.*

Function call



Input mask

Cat adm.: Password amin.		Cat name:	Performance mode	
<input type="checkbox"/> U	Change password	Password	<input type="text"/>	
		New password	<input type="text"/>	
		Password verification	<input type="text"/>	
<input type="button" value="YES"/> <input type="button" value="NO"/>		* <input type="button" value="CHA"/> <input type="button" value="CAT"/>	<input type="button" value="TERMIN"/>	
<input type="button" value="BACK"/>		<input type="button" value="INFO"/>		

Input fields

- Password

Enter the old password valid till now.
- New password

Enter the new password (max. 10 characters).
- Password verification

For verification, enter the new password again. If the two passwords do not coincide, then the following message appears **Password does not match. Please repeat entry.**

If you have entered the new password the same both times, it becomes valid as soon as you have concluded the input mask with **<TERMIN>**.

Deleting passwords

- You do not have to record a password for every control data catalog.
- Password

Enter the old password valid till now.
- New password

Leave the input field blank and only press **<RETURN>**.
- Password verification

Leave the input field blank and only press **<RETURN>**.

As soon as you have concluded the input mask with **<TERMIN>**, you no longer have a password recorded for the control data catalog in question.

Softkey



➤ *“Changing the control data catalog” on page 5-1*

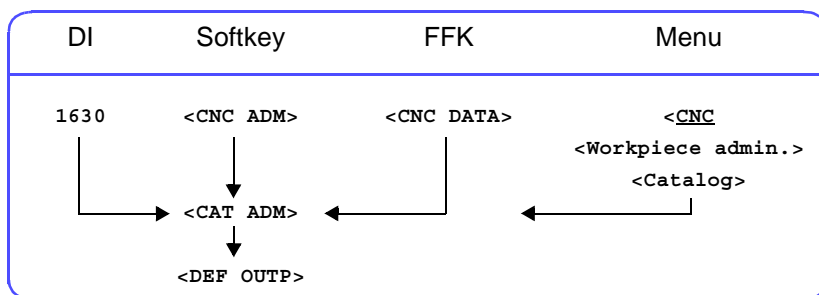
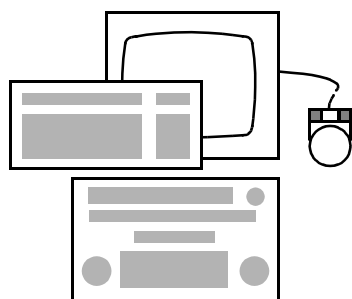
Chapter

4

Defining the output

With the **<DEF OUTP>** program function, you can define which information is to be output on which workpieces and in which order in the control data catalog.

Function call



Input mask

Cat adm.: Output definition

Cat name:

Performance mode catalog

J

Reorder

Order according to WP code

or according to workpiece

Catalog display

1 = WP code

2 = Workpiece name

3 = Comment

4 = Operator

5 = File

6 = Status

7 = Creation date

8 = Update

9 = Line counter

* YES

NO

*

CHA CAT

TERMIN

BACK

INFO

Input fields

Reorder

<YES> You can select whether the control data catalog is to be output sorted alphanumerically according to the workpiece identifications or the workpiece names.

Catalog display

You can define which information is to be output in which order; enter the appropriate code numbers in the desired order in the input fields (see input mask for code numbers).

Softkey

CHA CAT

➤ *“Changing the control data catalog” on page 5-1*

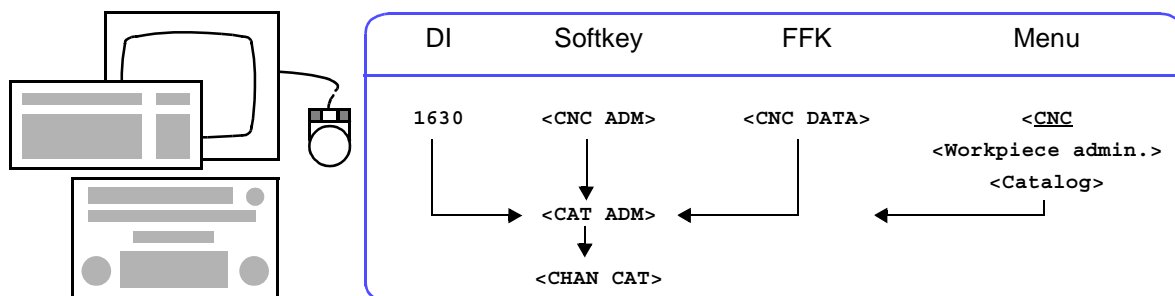
Chapter

5

Changing the control data catalog

With the **<CHAN CAT>** program function, you can change to another control data catalog.

Function call



Input mask

Cat adm.: Change catalog

Cat name: Catalog for meas. library

C

Catalog code

xx

Catalog name

Performance mode

No of entries

0

* YES

NO

*

CATALOG

TERMIN

BACK

INFO

Input fields

Catalog code

To select a control data catalog, you must enter the identification of the control data catalog. Your input is checked immediately. If the identification of the control data catalog entered does not exist in the catalog of the control data catalogs, the following message is output: **Control data catalog does not exist.** With the <CATALOG> softkey, you can list the control data catalogs which exist in the catalog of the control data catalogs and select the desired control data catalog. The identification of the control data catalog, the name of the control data catalog and the number of entries are then transferred to the input mask.

No of entries

User information only: The number of workpieces entered in the current control data catalog is displayed.

Softkey



All existing control data catalogs are displayed in the catalog of the control data catalogs.

Input mask

CNC data admin. catalog

☐

No. Catalog	Create	Update
<input type="checkbox"/> FO Form test Opt.21	21.06.0200	21.06.0200
GO Gear catalog	21.06.0200	21.06.0200
HH Opt.21	21.06.0200	21.06.0200
ST Performance mode catalog	21.06.0200	21.06.0200
Z1 Zeiss cat. meas. module library	21.06.0200	21.06.0200
ZA Library English dialog	21.06.0200	21.06.0200
ZO Meas. library dialog German	21.06.0200	21.06.0200
___ Form test Opt.21	21.06.0200	21.06.0200
TE ltest	21.06.0200	21.06.0200

*

Softkeys

*** YES**

You select a control data catalog. The identification of the control data catalog, the name of the control data catalog and the number of entries are then transferred to the input mask.

NO

You jump to the next line in the catalog of the control data catalogs.

SELECT L

You can select a control data catalog by specifying a line in the catalog of the control data catalogs.

Input mask

☐ CNC data admin. catalog

No. Catalog	Create	Update
<input type="checkbox"/> FO Form test Opt.21	21.06.0200	21.06.0200
GO Gear catalog	21.06.0200	21.06.0200
HH Opt.21	21.06.0200	21.06.0200
ST Performance mode catalog	21.06.0200	21.06.0200
Z1 Zeiss cat. meas. module library	21.06.0200	21.06.0200
ZA Library English dialog	21.06.0200	21.06.0200
ZO Meas. library dialog German	21.06.0200	21.06.0200
___ Form test Opt.21	21.06.0200	21.06.0200
TE ltest	21.06.0200	21.06.0200

* YES

NO

*

SELECT L

TERMIN

BACK

INFO

Line

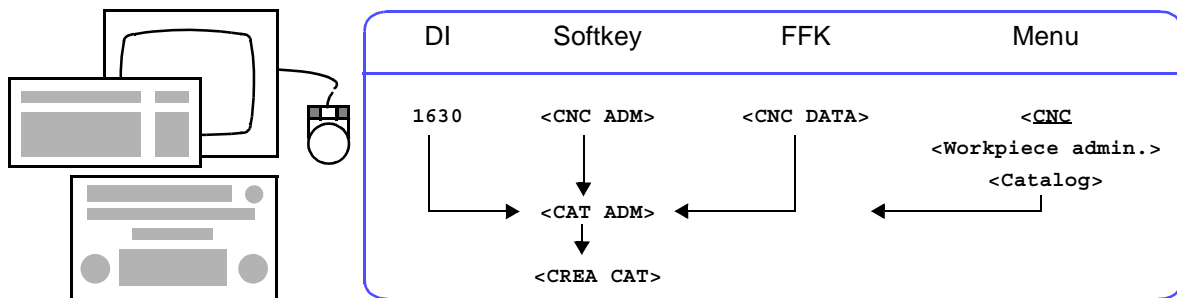
In order to select a control data catalog, you have to enter the appropriate identification of the control data catalog (e.g. Z3) or the line number (e.g. 1) in the catalog of the control data lines.

Chapter 6

Creating a new control data catalog

You can create new control data catalogs with the **<CREA CAT>** program function.

Function call



Input mask

Control data catalog: Create a new catalog

C

Catalog code

Catalog

Password

Password verification

* YES

NO

*

CATALOG

TERMIN

BACK

INFO

- Catalog code

Each control data catalog has a code which consists of two characters. Enter the new code. Your input is checked immediately. If the identification of the control data catalog entered already exists in the catalog of the control data catalogs, the following message is output: **Control already exists**.
- Catalog name

You have to enter a text (catalog name) with at least 5 characters for the catalog name.
- Password and Password verification

You can save your new control data catalog with a password, [▶ “Changing or deleting a password” on page 3-1](#). However, you do not have to record a password. If you do not want to record a password, then leave the input fields blank and skip these with **<RETURN>**.

Softkey

CATALOG

- ▶ [“Changing the control data catalog” on page 5-1](#)

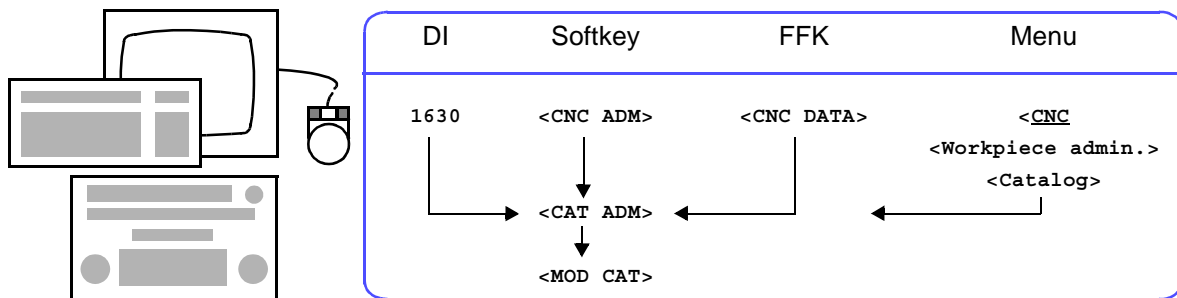
Chapter

7

Modifying or deleting a control data catalog

With the **<MOD CAT>** program function, you can change or delete control data catalogs.

Function call



Input mask

Cat adm.: Modify catalog

Cat name: Performance mode catalog

J

Modify catalog

Catalog

or delete catalog

Password

* YES

NO

*

CHA CAT

TERMIN

BACK

INFO

Softkey

CHA CAT

➤ “Changing the control data catalog” on page 5-1

Input fields

Modify catalog

<YES>
You can give the control data catalog selected another name.

delete catalog

<YES>
You can delete the control data catalog selected if the control data catalog in question is empty and if you know the corresponding password.

Password

➤ “Changing or deleting a password” on page 3-1

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