

Lucent Technologies
Bell Labs Innovations



EuroGeneris

Version 600

User's manual

Ref 21729A
108129388
December 1997

LUCENT TECHNOLOGIES WELCOMES YOUR FEEDBACK ON THIS DOCUMENT. YOUR COMMENTS CAN BE OF GREAT VALUE IN HELPING US IMPROVE OUR DOCUMENTATION.

Title : User's manual
 Ref 21729A - Comcode 108129388- Date: December 1997

Please rate the effectiveness of this document in the following areas :

	Excellent	Good	Fair	Poor
Ease of finding information				
Clarity				
Completeness				
Accuracy				
Organization				
Appearance				
Examples				
Illustrations				
Overall satisfaction				

Please check the ways you feel we could improve this document :

- | | |
|--|---|
| <input type="checkbox"/> Improve the overview/introduction | <input type="checkbox"/> Make it more concise |
| <input type="checkbox"/> Improve the table of contents | <input type="checkbox"/> Add more step-by-step procedures/tutorials |
| <input type="checkbox"/> Improve the organization | <input type="checkbox"/> Add more troubleshooting information |
| <input type="checkbox"/> Add more figures | <input type="checkbox"/> Make it less technical |
| <input type="checkbox"/> Add more examples | <input type="checkbox"/> Improve the index |
| <input type="checkbox"/> Add more detail | |

Additional comments : _____

If we may contact you concerning your comments, please complete the following :
 Name : _____ Tel: _____
 Company _____ Date _____
 Address _____

THANK YOU VERY MUCH FOR YOUR PARTICIPATION IN THIS SURVEY. YOUR RESPONSES WILL BE VERY HELPFUL IN OUR EFFORT TO PROVIDE YOU WITH A DOCUMENTATION TO MEET YOUR NEEDS.

When you have completed this form :

- please fax to **+33 (0)2 41 53 42 33**
- please mail to
Service Documentation Technique
Lucent Technologies BCS
Zone Industrielle de Saint Lambert
49412 SAUMUR CEDEX - FRANCE

Contents

1 : Establish the connection

- Using a Minitel **1-1**
- Using GENECOM **1-2**
 - PC emulation* **1-2**
 - Quit emulation **1-3**
- EuroGeneris menu **1-4**

2 : Alphabetical AD

- Introduction **2-1**
 - Calling party identification* **2-1**
 - The entry file* **2-2**
- AD administration menu **2-3**
- Label fields **2-4**
- Administer AD groups **2-5**
- Display / Program AD number **2-6**
 - Add an entry in the directory* **2-7**
 - Display an entry file* **2-7**
 - Access an entry file by entering AD number **2-8**
 - Access an entry file by entering related information **2-9**
 - Examples **2-10**
 - Modify an entry file* **2-10**
 - Delete an entry file* **2-10**
- Dial AD number **2-11**
- AD printer output **2-12**
 - Print an AD list* **2-13**
 - Print all the AD lists* **2-13**
- Reset AD **2-14**



.....

3 : Call Detail Recording

Introduction **3-1**

CDR administration menu **3-2**

CDR parameters **3-3**

CDR data **3-4**

CDR data on per-extension group basis **3-4**

Record for a specific extension group **3-5**

Record for all extension groups **3-6**

CDR data on per-trunk group basis **3-7**

Record for a specific trunk group **3-7**

Record for all trunk groups **3-8**

CDR data on per-extension basis **3-9**

Record for a specific extension **3-9**

Record for all the extensions **3-10**

CDR data on per-trunk basis **3-11**

Record for a specific trunk **3-11**

Record for all the trunks **3-12**

Real-time CDR report **3-13**

CDR administered group **3-14**

Administer real-time CDR report **3-15**

Output formats **3-16**

Customized CDR report **3-17**

Customized CDR data collection **3-18**

Customized CDR printer output **3-19**

Customized CDR reset **3-21**

Customized CDR overload alarm **3-22**

1

Establish the connection

.....

Using a Minitel

Applicable to France only.

1. Connect the Minitel VDU in parallel to an analog voice terminal (See Minitel instructions for use).
2. Switch on the Minitel.
3. Dial **497** either on the analog voice terminal or the Minitel keypad.
 - Listen for the specific Minitel tone.
4. Press «**Local Line**» on the Minitel keypad.
 - The system welcome screen is displayed: :

```

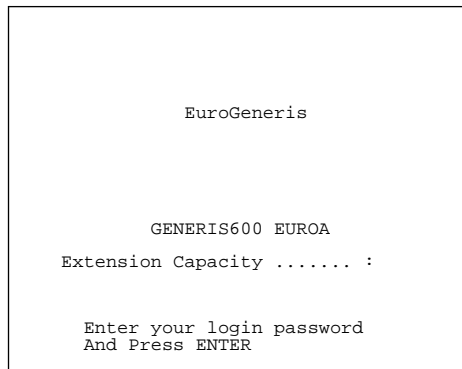
                                EuroGeneris

                                GENERIS600 EUROA
                                Extension Capacity ..... :

                                Enter your login password
                                And Press ENTER
```

Using GENECOM

1. Run the GENECOM software package (see GENECOM user's manual).
2. Configure the GENECOM software:
 - Select the appropriate system release
 - Select the appropriate serial port
 - Set the serial port parameters (The factory-settings for the GENERIS serial port are : Data rate 9600 - Parity none - Number of stop bits 1 - Number of bits 8).
3. In GENECOM main menu, select option C "GENERIS configuration"
 - The system welcome screen is displayed:









PC emulation

Note : The keyboard of the PC must be in capital mode.

Table 1 : PC buttons

To do this	Press
Show / Hide Help	F2
Erase field contents	F3
Go back to previous screen	F4
Print screen	F7
Cancel printing	F8
Go back to previous field	↑
Go to next field	↓

Table 1 : PC buttons

To do this	Press
Go back to previous column	
Go to next column	
Erase last character	
Validate screen	
Show / Hide Glossary	 

Quit emulation

To quit emulation, press “Escape”.

For obvious security reasons, the system is password protected and a login password has to be entered to establish the connection. It is made up of one letter (I or E) followed by 4 administrable figures.

The system takes two different login passwords :

- lxxxx intended for the Installer (equipment supplier).
- Exxxx intended for the End-user.

Note : The login passwords are in the form lxxxx and Exxxx, irrespective of the administration language.

Note : The login passwords are factory-set as I0000 and E0000.

When the system welcome screen is displayed:

EuroGeneris

GENERIS600 EUROA

Extension Capacity :

Enter your login password
And Press ENTER

1. Enter your login password (E + 4 digits)
2. Press the “Return” button.

EuroGeneris menu

EuroGeneris	

Main menu	1
Alphabetical Abbreviated Dialing ..	2
Call detail recording	3
Print configuration	4
Maintenance	5
Select option :	

Option 1 : Reserved for the equipment supplier.

Option 2 : See *Alphabetical AD*, page 2-1.

Option 3 : See *Call Detail Recording*, page 3-1.

Option 4 : Reserved for the equipment supplier.

Option 5 : Reserved for the equipment supplier.

Introduction

Alphabetical AD (Abbreviated Dialing) is the best as far as system directories are concerned. The telephone numbers that many people in the company use on a regular basis are stored in the system directory.

Alphabetical AD stops endless dialing operations by providing easy access to 800 numbers. Instead of dialing a number, the user merely keys in the first letters of the person's name at a Galilée 960 α / 930 α or Solaris α voice terminal. The system then searches for the requested name and lets the user know whether no/one/several entries match the request. When the correct entry is displayed, the user just presses the OK button and the system automatically places the call.

Note : The system directory may be limited to 200 numbers according to the system hardware configuration.

An outside party's telephone number is stored in the alphabetical AD by filling out an entry file.

Calling party identification

Call identification is provided if both the call is routed through all ISDN facilities and the outgoing trunk is administered to send the calling party's number.

If the calling party's number is an entry in the system directory, the display will show the data contained in the first field of the entry file (by default, the person's name) instead of the telephone number.

The entry file

```

Display/Program AD number
-----
1  AD nb   Trunk   Telephone number
4  8200 - 0   - 0241534222
   AD group ... : 0
   NAME      : WALSH
   COMPANY   : LUCENT-DR
   :
   :
6  Note pad:
   -----
   CANCEL AD NUMBER      ---->Shift F3

```

Sample entry file

1. **AD number:** The entry number is used as the AD number. To place a call to an outside party whose telephone number is stored in the system directory, simply dial the AD number at your voice terminal.
2. **Trunk:** Use to specify the trunk or trunk group that will be used by the system to automatically dial the number.
3. **Telephone number:** Use to specify the outside party's telephone number.
4. **AD group:** Use to assign an AD group (See *Administer AD groups*, page 2-5.).
5. **Administrable fields:** An entry file has up to 4 administrable fields (search criteria) (See *Label fields*, page 2-4.).
6. **Note pad:** A 40-character line is available to add further information.

To move the cursor, press the “↑” and “↓” buttons.



AD administration menu

Alphabetical AD	

Dialing AD number	1
Display/Program AD number	2
AD printer output	3
Label fields	4
Administer AD group	5
Reset AD	6
Select option :	.

Option 1 : See *Dial AD number*, page 2-11.

Option 2 : See *Display / Program AD number*, page 2-6.

Option 3 : See *AD printer output*, page 2-12.

Option 4 : See *Label fields*, page 2-4.

Option 5 : See *Administer AD groups*, page 2-5.

Option 6 : See *Reset AD*, page 2-14.

Label fields

```
Label fields
-----
LABEL 1 : NAME
LABEL 2 : COMPANY ...
LABEL 3 : .....
LABEL 4 : .....
```

Labels 1 and 2 are factory-set as NAME and COMPANY.

The field labels are administrable. Several fields may have the same label (in order to enter several names in a unique entry file).

Note: Up to 10 characters are available to label a field.

Administer AD groups

Alphabetical AD supports up to 10 AD groups. Each AD group has access to a list of entries. An AD group is assigned to each entry. Only the administered members of an AD group have access to the associated list of entries.

1. Enter the group number and press the “Enter” button.

```

Administer AD group

-----

Group numbers are included
between 0 and 9

Enter group number ..... : .
  
```

2. To add a member to the group or remove a member from the group, place the cursor on the group number and enter “Y” or “N” accordingly. The administered members are shown in reverse video.

```

Administer AD group      1
-----
Administered members :
3000 3016 3032 3048 3064 3080 3096 3112
3001 3017 3033 3049 3065 3081 3097 3113
3002 3018 3034 3050 3066 3082 3098 3114
3003 3019 3035 3051 3067 3083 3099 3115
3004 3020 3036 3052 3068 3084 3100 3116
3005 3021 3037 3053 3069 3085 3101 3117
3006 3022 3038 3054 3070 3086 3102 3118
3007 3023 3039 3055 3071 3087 3103 3119
3008 3024 3040 3056 3072 3088 3104 3120
3009 3025 3041 3057 3073 3089 3105 3121
3010 3026 3042 3058 3074 3090 3106 3122
3011 3027 3043 3059 3075 3091 3107 3123
3012 3028 3044 3060 3076 3092 3108 3124
3013 3029 3045 3061 3077 3093 3109 3125
3014 3030 3046 3062 3078 3094 3110 3126
3015 3031 3047 3063 3079 3095 3111 3127
Use Y/N, to add/remove a member
  
```

3. Press the “Enter” button to validate.

Note: An extension may be a member of several AD groups.
 On start-up, all the extensions within the system are members of AD group “0”.

Display / Program AD number

The “Display / Program AD number” screen allows you:

- to create a new entry file (See *Add an entry in the directory*, page 2-7.),
- to access an entry in order to:
 - display the associated entry file (See *Display an entry file*, page 2-7.)
 - modify the associated entry file (See *Modify an entry file*, page 2-10.)
 - delete the associated entry file (See *Delete an entry file*, page 2-10.).

```

                Display/Program AD number
-----
Free AD numbers ..... : 800
Available storage space . : . /.

Press Enter, to access first
free AD number

or
Enter AD number ..... : 8...
(8200 - 8999)
or
Enter at least one field related to
an AD number :

- mandatory :..... and
- optional  :..... and
- optional  :.....

```

Add an entry in the directory

In the “Display / Program AD number” screen:

1. Press the “Enter” button to access the first blank entry file

```

-----
                Display/Program AD number
-----
AD nb   Trunk   Telephone number
8200 -   -      -
AD group ... : .
NAME      :
COMPANY   :
          :
          :
Note pad:
.....
-----
CANCEL AD NUMBER          ---->Shift F3
    
```

2. **Trunk:** Enter **0**.
You may enter a trunk number (410 to 449) or a trunk group number (400 to 409) in special cases (Check with your equipment supplier).
3. **Telephone number:** Enter the outside party’s telephone number.
Note: If the system is behind a master PBX, add the outdial code to the telephone number.
4. **Administrable fields (NAME, COMPANY, ...):** Enter data in at least one field.
5. **Note pad:** Enter additional information if you wish.
6. Press the “Enter” button.
7. Repeat steps 1 to 6 to add another entry.

Note: To move the cursor, press the “↑” and “↓” buttons.

Display an entry file

You can access an entry file by:

- Entering the appropriate AD number.
- Entering related information.

Alphabetical AD*Display / Program AD number*

Display an entry file

Access an entry file by entering AD number

In the “Display / Program AD number” screen:

```

          Display/Program AD number
-----
Free AD numbers ..... : 800
Available storage space . : . /.

Press Enter, to access first
free AD number

or
Enter AD number ..... : 8...
(8200 - 8999)
or
Enter at least one field related to
an AD number :

- mandatory :..... and
- optional  :..... and
- optional  :.....

```

1. Enter the appropriate AD number
2. Press the “Enter” button to access the entry file

```

          Display/Program AD number
-----
AD nb   Trunk   Telephone number
8200 - 0    - 0241534222
AD group ... : 0

NAME      : WALSH
COMPANY   : LUCENT-DR
          :
          :

Note pad:
.....

-----
CANCEL AD NUMBER      ---->Shift F3

```

The entry file is displayed.

It may be:

- modified (See *Modify an entry file*, page 2-10.)
- deleted (See *Delete an entry file*, page 2-10.)

Access an entry file by entering related information

The alphabetical search allows you to display an entry file without knowing the associated AD number.

The search is done:

- on data contained in the administrable fields,
- according to one, two or three criteria.

In the “Display / Program AD number” screen:

```

Display/Program AD number
-----
Free AD numbers ..... : 800
Available storage space . : . /.

Press Enter, to access first
free AD number

or
Enter AD number ..... : 8...
(8200 - 8999)
or
Enter at least one field related to
an AD number :

- mandatory CRITERION 1 and
- optional CRITERION 2 and
- optional CRITERION 3
    
```

1. Press the “↓” button.
2. Enter the search criterion or criteria (See *Examples*, page 2-10.)
3. Press the “Enter” button.

One of the following will occur:

- The message **No match** is displayed.
 - Press the “F4” button to modify the request.
- **One match**: the entry file is displayed.
 - It may be:
 - modified (See *Modify an entry file*, page 2-10.)
 - deleted (See *Delete an entry file*, page 2-10.)
- The message **More than one match** is displayed.
 - Press the “F4” button to modify the request.
 - or**
 - Press the “Enter” button to display the first entry file.
 - Press the “↓” button to display the next one and so on.
 - The entry file is displayed. It may be:
 - modified (See *Modify an entry file*, page 2-10.)
 - deleted (See *Delete an entry file*, page 2-10.)

Examples

One-criterion search

- The search criterion is "L".
Several entry files match the request: "LUCENT" in the field labeled "COMPANY" and "LEWIS" in the field labeled "NAME".
- The search criterion is "MUR".
Several entry files match the request: "MURPHY" and "MURTHY" in the field labeled "NAME".
- The search criterion is "LUCENT".
Several entry files match the request: "LUCENT-UK", "LUCENT-DR" and "LUCENT-MT" in the field labeled "COMPANY".

Multi-criterion search

- The search criteria are "MUR" and "LUCENT".
Several entry files match the request: "MURPHY" and "MURTHY" both at the company "LUCENT".

Modify an entry file

When accessing the file by the AD number:

1. Display the appropriate file.
2. Modify the entry file.
3. Press the "Enter" button to store the entry.

When accessing the file by related information:

1. Display the appropriate file.
2. Press the "Enter" button.
3. Modify the entry file.
4. Press the "Enter" button to store the changes.

Delete an entry file

When accessing the file by the AD number:

1. Display the appropriate file.
2. Press the "Shift+F3" buttons to delete the file.

When accessing the file by related information:

1. Display the appropriate file.
2. Press the "Enter" button.
3. Press the "Shift+F3" buttons to delete the file.



Dial AD number

Applicable to France only.

Note: This option is not available on a PC equipped with the GENECOM software application.

AD printer output

```
AD printer output
-----
Print an AD list ..... 1
Print all the AD lists ..... 2

Select option :
```

Option 1 : See *Print an AD list*, page 2-13.

Option 2 : See *Print all the AD lists*, page 2-13.

Print an AD list

This feature is used to get a printout of specific AD lists.

```

Print an AD list
-----
Print an AD list

Assigned AD groups :
 0, 1, 2, 3, 4, 5, 6, 7, 8, 9,

Enter field labels :
..... /.....

Use Y/N, to add/remove a member

```

Assigned AD groups

Use to select the requested AD group(s). To add or remove a group, place the cursor on the required group number and enter “Y” or “N” accordingly. The selected groups are shown in reverse video.

Enter field labels

Use to specify the field(s) which will appear on the printout.

To print specific AD lists:

1. Select the requested AD group(s).
2. Enter the field label(s) (maximum 2).
3. Press the “Enter” button to start printing.

Print all the AD lists

Use this feature to print all the entry files included in the system directory.

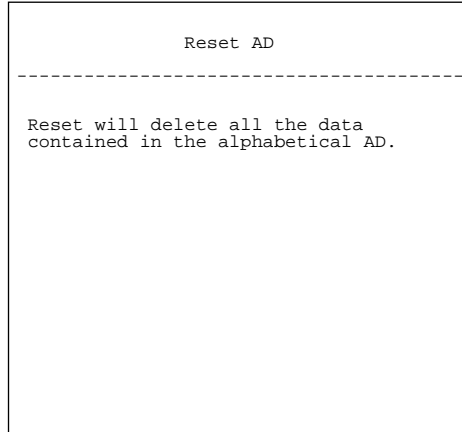
To print all the AD lists:

1. Select option 2 in the “AD printer output” menu.
2. Press the “Enter” button to start printing.



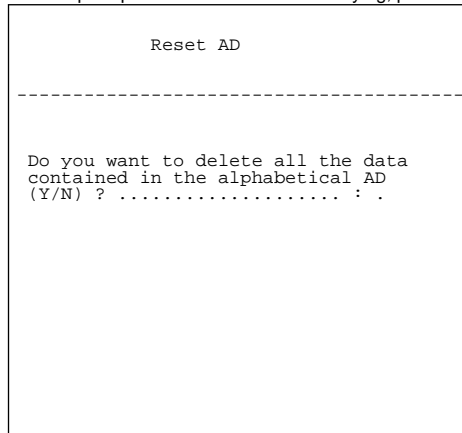
Reset AD

This feature is used to delete all the entry files included in the system directory.



1. Press the "Enter" button.

To quit alphabetical AD without modifying, press the "F4" button.



2. Enter "Y" then press the "Enter" button to confirm the deletion.

To quit alphabetical AD without modifying, press the "F4" button.

Introduction

Call detail recording provides detailed call information. It is used to compute call costs, allocate charges, analyse calling patterns, detect unauthorized calls and keep track of unnecessary calls. Detailed call information may be displayed at Galilée 960 α or Solaris α voice terminals, at a Minitel VDU or at a PC equipped with GENECOM 1 software application.

The system supports a buffer providing storage for up to 8000 customized CDR records. These records can be collected on a PC. The costs for calls are then assigned to accounts within the company and reports may be generated to allocate telephone use charges.

CDR administration menu

```
Call detail recording
-----
CDR Parameters ..... 1
CDR data ..... 2
Real-time CDR report ..... 3
Customized CDR report ..... 4

Select option :
```

Option 1 : See *CDR parameters*, page 3-3.

Option 2 : See *CDR data*, page 3-4.

Option 3 : See *Real-time CDR report*, page 3-13.

Option 4 : See *Customized CDR report*, page 3-17.

CDR parameters

CDR Parameters

Change charge unit :

Current value :

Enter new value :

Enter currency : ...

example : for Dollar --> USD or \$

Account code (Y/N) : .

Charge unit

The current value of the charge unit is displayed.

To modify the charge unit, enter the new value.

Example : Enter 00730 for 0.73.

When the value of the unit is modified, the totals are automatically recomputed accordingly.

Currency

Use to enter the appropriate currency (up to 3 characters).

Account code

Account codes allow the system manager to associate calling information with projects and/or customers.

When administered, account codes are stored and printed on the customized CDR printer outputs.

Implementation:

At your voice terminal,

1. Dial the outside party's telephone number.
2. Enter "#" or "**".
3. Enter the account code.

Charge allocation:

CDR records are used to allocate telephone charges within the company:

- Records can be printed and data sorted manually.
- Records can be collected on a PC and data sorted according to account codes by designating the account code field as the sortkey (using a call accounting application or a spreadsheet).

Example : Search for "#150"

CDR data

```

CDR data
-----
CDR data on per-extension group basis 1
CDR data on per-trunk group basis .... 2
CDR data on per-extension basis ..... 3
CDR data on per-trunk basis ..... 4

Select option :

```

Option 1 : See *CDR data on per-extension group basis*, page 3-4.

Option 2 : See *CDR data on per-trunk group basis*, page 3-7.

Option 3 : See *CDR data on per-extension basis*, page 3-9.

Option 4 : See *CDR data on per-trunk basis*, page 3-11.

CDR data on per-extension group basis

To collect call data for the extension groups (departments):

- Enter the appropriate group number (from 1 to 32) then press the “Enter” button (See *Record for a specific extension group*, page 3-5.).
or
- Enter “*” to collect data for all the groups (See *Record for all extension groups*, page 3-6.).
or
- Enter “H” to collect data for the extensions that are not assigned to a group, then press the “Enter” button (See *Record for all the extensions*, page 3-10.).

Record for a specific extension group

```

CDR data on per-extension group basis
-----
Friday 17/10/1997 13:06
Group number      : 01      PURCHAS....
Duration .....   : 10.h01mn50s
Charges .....    : 227,76 USD
Number of units   : 312 Unit(s)
Last meter reset  ..... : 01/10/1997

Printer output .....(Y/N) : .
Reset meters .....(Y/N) : .
-----
DETAILED FOR EACH MEMBER ----> Enter D
    
```

This record shows:

- the date and time,
- the group number and name,
- the total call duration,
- the total call cost,
- the number of units,
- the date of the last reset.

The following options are available:

- Print the record.
- Reset the meters assigned to the group members.

To split the record for each member of the group, enter "D" (See *Record for all the extensions*, page 3-10.).

Record for all extension groups

CDR data on per-extension group basis				

Friday 17/10/1997 13:06				
Nb	Name	Units	Charges	Last reset
G01	PURCHAS	312	227,76	01/10
G02	SALES	312	227,76	01/10
G03	EXPORT	312	227,76	01/10
G04	REPAIR	312	227,76	01/10
G05	STORE	312	227,76	01/10
G06	TEST	312	227,76	01/10
G07	R&D	312	227,76	01/10
G08	ACCOUNT	312	227,76	01/10
NA		312	227,76	01/10
NA = NOT ASSIGNED TO A GROUP.				
TOTAL	:	2808	2049,84	
Printer output(Y/N) : .				
Reset meters(Y/N) : .				

This record shows:

- the date and time,
- For the first 8 extension groups:
 - the group number and name,
 - the number of units,
 - the total call cost,
 - the date of the last reset,
- For the extensions that are not assigned to a group (NA):
 - the number of units,
 - the total call cost,
- the total number of units for all the extension groups (32),
- the total cost for all the extension groups (32).

To display the next 8 extension groups:

1. Press "Shift-↓".

The following options are available:

- Print the record.
- Reset the meters assigned to all the group members.

CDR data on per-trunk group basis

To collect call data for the trunk groups:

- Enter the appropriate group number (from 0 to 9), then press the “Enter” button (See *Record for a specific trunk group*, page 3-7.).
or
- Enter “*” to collect data for all the groups (See *Record for all trunk groups*, page 3-8.).
or
- Enter “H” to collect data for the trunks that are not assigned to a group, then press the “Enter” button (See *Record for a specific trunk*, page 3-11.).

Record for a specific trunk group

```

CDR data on per-trunk group basis
-----
Friday 17/10/1997 13:06
Trunk group number: 1
Duration ..... : 10 h01mn50s
Charges ..... : 227,76 USD
Number of units . : 312 . Unit(s)
Last meter reset ..... : 01/10/1997

Printer output .....(Y/N) : .
Reset meters .....(Y/N) : .
-----
DETAILED FOR EACH MEMBER ----> Enter D
    
```

This record shows:

- the date and time,
- the group number,
- the total call duration,
- the total call cost,
- the number of units,
- the date of the last reset.

The following options are available:

- Print the record,
- Reset the meters assigned to the group members.

To split the record for each member of the group, enter “D” (See *Record for all the trunks*, page 3-12.).

Record for all trunk groups

CDR data on per-trunk group basis			

Friday 17/10/1997 13:06			
Nb	Units	Charges	Last reset
TG 0	312	227,76	01/10
TG 1	312	227,76	01/10
TG 2	312	227,76	01/10
TG 3	312	227,76	01/10
TG 4	312	227,76	01/10
TG 5	312	227,76	01/10
TG 6	312	227,76	01/10
TG 7	312	227,76	01/10
TG 8	312	227,76	01/10
TG 9	312	227,76	01/10
NA	312	227,76	01/10
NA = NOT ASSIGNED TO A GROUP.			
TOTAL	:	3120	2277,60
Printer output(Y/N) : .			
Reset meters(Y/N) : .			

This record shows:

- the date and time,
- For each trunk group:
 - the group number,
 - the number of units,
 - the total call cost,
 - the date of the last reset,
- the total number of units for all the trunk groups (10),
- the total cost for all the trunk groups (10).

The trunks that are not assigned to a group appear under the label NA (Not Assigned).

The trunks that are assigned to several groups also appear under the label NA.

The following options are available:

- Print the record.
- Reset the meters assigned to the group members.

CDR data on per-extension basis

To collect call data for the extensions:

- Enter the appropriate extension number then press the “Enter” button (See *CDR data on per-extension basis*, page 3-9.).
- **or**
- Enter “*” to collect data for all the extensions (See *Record for all the extensions*, page 3-10.).

Record for a specific extension

```

CDR data on per-extension basis
-----
Friday 17/10/1997 13:06
Extension number : 300.  BRENDA
Extension group  : 01    PURCHAS

Duration ..... : 10.h01mn 50s
Charges ..... : 227,76 USD
Number of units : 312 Unit(s)

Last meter reset .... : 01/10/1997

Printer output .....(Y/N) : .
Reset meters .....(Y/N) : .
    
```

This record shows:

- the date and time,
- the extension number and user’s name,
- the number and name of the group to which the extension is assigned,
- the total call duration,
- the total call cost,
- the number of units,
- the date of the last reset.

The following options are available:

- Print the record.
- Reset the meters assigned to the group members.

Record for all the extensions

```

-----
CDR data on per-extension basis
-----
Friday 17/10/1997 13:06
Nb      Name      Units  Charges  Last
reset
300    BRENDA      312    227,76  01/10
301     BOB        312    227,76  01/10
302    PETER        312    227,76  01/10
303    MARY          312    227,76  01/10
304    STEVE         312    227,76  01/10
305   HARVEY         312    227,76  01/10
306   DONNA         312    227,76  01/10
307     ANN          312    227,76  01/10

TOTAL   :           2496   1822,08

Printer output .....(Y/N) : .
Reset meters .....(Y/N) : .
-----
NEXT PAGE  ----> Shift Down

```

This record shows:

- the date and time,
- For the first 8 extensions:
 - the extension number and user's name,
 - the number of units,
 - the total call cost,
 - the date of the last reset,
- the total number of units for all the extensions,
- the total cost for all the extensions.

To display the next 8 extensions:

1. Press "Shift-↓".

The following options are available:

- Print the record.
- Reset the meters assigned to all the extensions within the system.

CDR data on per-trunk basis

To collect data for the trunks:

- Enter the appropriate trunk number (from 410 to 449), then press the "Enter" button (See *Record for a specific trunk*, page 3-11.).
- or**
- Enter "*" to collect data for all the trunks (See *Record for all the trunks*, page 3-12.).

Record for a specific trunk

```

CDR data on per-trunk basis
-----
Friday 17/10/1997 13:06
Trunk number       : 410
Trunk group        : 01
Duration           : 10h01mn50s
Charges            : 227,76 USD
Number of units    : 312 Unit(s)
Last meter reset   : 01/10/1997

Printer output     : (Y/N) : .
Reset meters       : (Y/N) : .
    
```

This record shows:

- the date and time,
- the trunk number,
- the number of the group to which the trunk is assigned,
- the total call duration,
- the total call cost,
- the number of units,
- the date of the last reset.

The following options are available:

- Print the record.
- Reset the meters assigned to the group members.

Record for all the trunks

CDR data on per-trunk basis			

Friday 17/10/1997 13:06			
Nb	Units	Charges	Last reset
T10	312	. 227,76	01/10
T11	312	. 227,76	01/10
T12	312	. 227,76	01/10
T13	312	. 227,76	01/10
T14	312	. 227,76	01/10
T15	312	. 227,76	01/10
T16	312	. 227,76	01/10
T17	312	. 227,76	01/10
TOTAL	:	2496 1822,08	
Printer output(Y/N) : .			
Reset meters(Y/N) : .			

NEXT PAGE		-----> Shift Down	

This record shows:

- the date and time,
- For the first 8 trunks:
 - the trunk number,
 - the number of units,
 - the total call cost,
 - the date of the last reset,
- the total number of units for all the trunks,
- the total cost for all the trunks.

To display the next 8 trunks :

1. Press "Shift-↓".

The following options are available:

- Print the record.
- Reset the meters assigned to all the trunks within the system.



Real-time CDR report

```
Real-time CDR report
-----

CDR administered group .....1

Administer CDR real-time report .2

Select option : .
```

Option 1 : See *CDR administered group*, page 3-14.

Option 2 : See *Administer real-time CDR report*, page 3-15.

CDR administered group

This feature allows the system manager to select a number of extensions for supervision.

```

-----
                CDR administered group
-----
Administered members :
3000 3016 3032 3048 3064 3080 3096 3112
3001 3017 3033 3049 3065 3081 3097 3113
3002 3018 3034 3050 3066 3082 3098 3114
3003 3019 3035 3051 3067 3083 3099 3115
3004 3020 3036 3052 3068 3084 3100 3116
3005 3021 3037 3053 3069 3085 3101 3117
3006 3022 3038 3054 3070 3086 3102 3118
3007 3023 3039 3055 3071 3087 3103 3119
3008 3024 3040 3056 3072 3088 3104 3120
3009 3025 3041 3057 3073 3089 3105 3121
3010 3026 3042 3058 3074 3090 3106 3122
3011 3027 3043 3059 3075 3091 3107 3123
3012 3028 3044 3060 3076 3092 3108 3124
3013 3029 3045 3061 3077 3093 3109 3125
3014 3030 3046 3062 3078 3094 3110 3126
3015 3031 3047 3063 3079 3095 3111 3127
Use Y/N, to add/remove a member

```

To add or remove a member:

1. Place the cursor on the appropriate extension number.
2. Enter "Y" to add a member to the group or "N" to remove a member from the group. The administered members are displayed in reverse video.

On start-up, all the extensions within the system are members of the CDR administered group.

Administer real-time CDR report

```

Administer real-time CDR report
-----
Display on Minitel/PC .....(Y/N) : .
Printer output .....(Y/N) : .
Format 5 rows 40 columns ---> 1
Format 3 rows 80 columns ---> 2
Format 1 row 80 columns ---> 3 : .
Privacy : Blank last 4 digits of the
dialled number .....(Y/N) : .
Collect data for calls totalizing
at least : ---> ... Units
Collect data for the CDR administered
group only ..... : .
    
```

Display on Minitel/PC

Use to display the real-time CDR report at a Minitel VDU or a PC.

The display format is the 5-line 40-column format (See Output formats, page 3-16.).

The connection with the system is automatically interrupted when requesting the display of the real-time CDR report. To get back to system/CDR administration, press the "F4" button.

Printer output

Use to print the real-time CDR report.

Format

Use to select the appropriate printer format (See *Output formats*, page 3-16.).

Privacy: Blank last 4 digits of the dialed number

Use for privacy purposes.

Important: The selected setting for 'privacy' is used for both real-time and customized CDR reports (See Customized CDR report, page 3-17.).

Collect data for calls totalizing at least

Use to specify a lower bound for data collection.

Note: Enter "1" to collect data for successful outgoing calls only.

Collect data for the CDR administered group only

Use to limit data collection to the CDR administered group (See *CDR administered group*, page 3-14.).

Output formats

5-line 40-column format

```
*Ext : 1234 T:123 Date:22/04/1997 14:28
Name : ABCDEFGHIJKL Units: 1234567
Time : 0h00mn12s Charges:12345,12 ABC.
Type of call..... : ABCDEFGHI
Dialed number: 123456789012345678901234
```

3-line 80-column format

```
* Ext :1234 T:123 Date:22/04/1997 14:28 Name:ABCDEFGHIIJKL Units:1234567 U.T
Time: 0h00mn12s Charges: 12345,12 ABC Type of call...: ABCDEFGHI
Dialed number : 123456789012345678901234
```

1-line 80-column format

```
*E1234 T123 22/04/97 14:28 12345U 0h00m12s 12345,12A A Nb 12345678901234567890
```

Table 2 : CDR real-time report

Designation	Abbreviated designation		Data field	
	3 or 5-line format	1-line format	3 or 5-line format	1-line format
Extension number	Ext	E	3 or 4 digits	3 or 4 digits
Trunk number	T	T	3 digits	3 digits
Date and time	Date		dd/mm/yyyy HH:MM	dd/mm/yy HH:MM
User's name	Name		12 characters	
Number of units	Units	U	7 digits	5 digits
Call duration	Time		HhMMmnSSs	HhMMmnSSs
Call cost	Charges		5 + 2 digits	5 + 2 digits
Currency			3 characters	1 character
Type of call	Type of call		9 characters	1 character
Dialed number	Dialed number	Nb	24 digits	20 digits



Customized CDR report

Note: The availability of the feature depends upon the system hardware. Check with your equipment supplier to see if the feature is available to you.

Customized CDR is a database providing storage for up to 8000 CDR records. CDR provides detailed call information for outgoing and incoming trunk calls.

Note: CDR records are not generated for internal calls.

Customized CDR output devices are:

- a printer,
- a PC equipped with a call accounting application or a spreadsheet.

```

Customized CDR report
-----
Customized CDR data collection .... 1
Customized CDR printer output ..... 2
Customized CDR reset ..... 3
Customized CDR overload alarm ..... 4

Select option : .
    
```

Option 1 : See *Customized CDR data collection*, page 3-18.

Option 2 : See *Customized CDR printer output*, page 3-19.

Option 3 : See *Customized CDR reset*, page 3-21.

Option 4 : See *Customized CDR overload alarm*, page 3-22.

3

Call Detail Recording

Customized CDR report

Customized CDR data collection

Customized CDR data collection

```
Customized CDR data collection
-----

Data collection          (Y/N)  .
For calls totalizing
at least ..... .. Units
```

Data collection

Use to allow CDR records to be generated.

For calls totalizing at least

Use to specify a lower bound for data collection.

Note: Enter "1" to collect data for successful outgoing calls only.

Customized CDR printer output

Customized CDR printer output allows a search using several criteria over a defined period.

```

Customized CDR printer output
-----
From .././..... at..h..
to .././..... at..h..

Extension number
or * for all extensions ..... : ....

Privacy : Blank last 4 digits of the
diald number (Y/N) ..... : .

Collect data for calls totalizing
at least (seconds) ..... : ....

at least (units) ..... : ..

Type of call
(O,I,T,A,F,U or * for all types):.
    
```

From ... to ...

Use to specify the period.

By default, the period runs from the last reset to the current date.

Extension number

Use to specify a particular extension.

Privacy: Blank last 4 digits of the dialed number

Use for privacy purposes.

Important: The selected setting for 'privacy' is used for both real-time and customized CDR reports (See Administer real-time CDR report, page 3-15).

Collect data for calls totalizing at least

Use to specify two different lower bounds for data collection (seconds and units).

Note: Enter "1" to collect data for successful outgoing calls only.

Type of call

Use to select the types of calls submitted to CDR.

Table 3 : Types of calls

Identifier	Call type
O	Outgoing call
I	Incoming call
T	Outgoing call resulting from an outside transfer
A	Attendant-handled incoming call
F	Outgoing call resulting from a call forward off-premises
U	Uncompleted incoming call attempt
*	All types



Customized CDR reset

Customized CDR reset is used to delete the old CDR records and recover storage space.

```

Customized CDR reset
-----
Available storage space :
                                ...../.....
Delete CDR data up to
    ..../....  included.

Warning, If you press ENTER,
CDR data is deleted.
    
```

Available storage space

Shows :

- the number of records already stored,
- the maximum number of records that may be stored.

Delete CDR data up to

Use to specify a date for the reset.

By default, the system proposes the current date minus one day.

Customized CDR overload alarm

(Applicable to France only)

```

Customized CDR overload alarm
-----
PBX code ..... : ....

Automatic overload alarm when
available storage space not big
enough                (Y/N) .

Content of overload alarm file :
(40 characters)
.....

```

PBX code

Use to specify the system identification number.

Automatic overload alarm

Use to automatically send an overload alarm to GENECOM2 software application when the available storage space does not exceed 500 records.

Press the "Enter" button. The following screen is displayed:

```

Access GENECOM2
-----
The command to access GENECOM2
may be :
- a Hayes command
  (modem, ISDN adaptator)
- a X28 address
  (PAD access)

Enter your command :
(up to 20 characters)

.....

HELP                -----> F2

```

This page is intended for remote PC users only. It implies the use of a GENECOM2 software application.

Lucent Technologies
Bell Labs Innovations



BCS
Service Documentation Technique
ZI Saint Lambert • 49412 SAUMUR CEDEX • FRANCE

Ce document n'est pas contractuel. Le constructeur se réserve le droit d'apporter toutes les modifications qu'il jugera utiles, sans préavis.
The information in this document is subject to change without notice. The manufacturer assumes no responsibility for any errors that may appear in this document.