

Technical Information

This section covers the following topics:

- Functional Overview
 - Accessing the Environmental Information
 - Accessing the History Session Control
-

Functional Overview

The Technical Information function displays Natural Monitor environmental information and history session information.

Purpose of the Technical Information Function

This function is useful for determining the following:

- **Environmental Information**
 - the environment in which Natural Monitor is executing;
 - the version maintenance levels of the Natural Monitor code; and
 - various parameters and statistical information.
- **History Session Control**
 - shows details about the Natural Monitor history session definitions and history session status; and
 - allows starting and stopping the history session.

Accessing the Technical Information Function

You can access the Natural Monitor **Technical Information** function in one of two ways:

- from any screen *outside* the Natural Monitor System, type the code NM TE on the command line and press Enter; or
- from any screen *within* the Natural Monitor System, type TE on the command line and press Enter.

```

16:05:44          ***** REVIEW NM UTILITY *****          2006-03-02
                   - Technical Information -

                   Code          Description

                   EI            Environmental Information
                   HC            History Session Control

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
                   Help          Exit                                Menu
    
```

The functions available from this menu are described in the following table:

Code	Function	Description
EI	Environmental Information	Gives an overview of the environment.
HC	History Session Control	Shows details about the history session and allows starting and stopping the history session.

Accessing the Environmental Information

 To access the Environmental Information screen

- Type EI on the command line and press Enter.

The **Environmental Information** screen appears as shown below:

```

16:06:46          ***** REVIEW NM UTILITY *****          2006-03-02
                   - Environmental Information -

TP System ..... CICS/MVS 2.1.0  Reports Currently Active          2
Natural Code Version ..... SYSRNM 3.6.1  Max. Active Reports .....          2
Driver Version ..... NATGWREV 3.6.1  Report Start Requests ....          2
Assembly Date ..... 2000/08/11
Assembly Time ..... 13:51:00  Session Logons .....          1
                                Session Logoffs .....          0
Number of RUABs Allocated ....          1  Sessions Logged On .....          1
Number of Entries per NCT ....          32  Max. Sessions Logged On ..          1
System Start Date ..... 2000/09/01
System Start Time ..... 09:48:21  Total Transactions .....          62
                                Average Response Time ....          0.149

Shared Storage Allocated .....          7712
Max. Shared Storage Alloc. ...          7712  Total Database Calls .....          4697
                                Average Database Time ....          0.001
                                Average Adabas Cmd Time ..          0.00012

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help           Exit                               HC                               Canc
    
```

The following commands are available:

Command	PF Key	Description
HC	PF8	Go to History Session Control .
RESET		Reset all transaction and database statistic field values to zero and release all unused RUAB storage.

The following fields are displayed for this function:

Field	Description
TP System	CICS version under which the Natural Monitor is executing.
Natural Code Version	The version of the Natural code of Natural Monitor in library SYSRNM.
Driver Version	The version of the linked nucleus module of Natural Monitor.
Assembly Date	Assembly date of the Natural Monitor system control block RNMSCB.
Assembly Time	Assembly time of the Natural Monitor system control block RNMSCB.
Number of RUABs Allocated	The number of Natural Monitor user account blocks (RUABs) allocated in CICS shared storage. One RUAB is used to monitor one Natural session. It can be reused after session termination.

Field	Description
Number of Entries per NCT	Number of entries in the Natural Call Table (NCT) of Natural Monitor. The NCT is part of each RUAB. It is used to monitor the usage of the Natural objects executed during one session.
System Start Date	The date when the first Natural session was monitored by Natural Monitor.
System Start Time	The time when the first Natural session was monitored by Natural Monitor.
Shared Storage Allocated	The total amount of CICS shared storage in bytes acquired by Natural Monitor.
Max. Shared Storage Alloc.	The highest amount of CICS shared storage in bytes acquired by Natural Monitor since system startup.
Reports Curr. Active	The number of reports that are currently active.
Report Start Requests	The total number of report start requests since system startup.
Session Logons	The total number of Natural sessions which were monitored by Natural Monitor since system startup.
Session Logoffs	The total number of Natural sessions terminated which were monitored by Natural Monitor.
Session Logged On	The number of Natural sessions currently monitored by Natural Monitor.
Max. Sessions Logged On	The maximum number of Natural sessions concurrently monitored by Natural Monitor.
Total Transactions	The total number of Natural transactions monitored by Natural Monitor. A transaction lasts from screen input time until next screen output.
Average Response Time	The average response time in seconds for all transactions monitored by Natural Monitor.
Total Database Calls	The total number of database calls for all sessions monitored by Natural Monitor.
Average Database Time	The average database call response time for all sessions monitored by Natural Monitor.
Average Adabas Command Time	The average Adabas call command time for all sessions monitored by Natural Monitor. The command time value is passed back by Adabas with every Adabas call.

Accessing the History Session Control

 To access the History Session Control screen:

- Type HC on the command line and press Enter.

The **History Session Control** screen appears as shown below:

```

10:20:27                ***** REVIEW NM UTILITY *****                2000-09-01
                        - History Session Control -

Transaction Id ..... QA31  Start Date ..... 2000/09/01
Current Status ..... active Start Time ..... 10:20:22
Natural User Id ..... REVHIST End Date .....
Database Id of Repository File .. 0 End Time .....
Database Fnr of Repository File .. 0
Date Format in Repository File .... OLD
Logging of empty reports ..... NO

                        Dynamic Profile Parameters

PROFILE)RNM36T
AUTO=ON PC=OFF ETID=' ' PROGRAM=' ' PSEUDO=OFF
SENDER=CONSOLE ASYNNAME=REVHIST STACK=(LOGON SYSRNM;P-NMHIST)

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help           Exit                               EI                               Canc
    
```

The following commands are available:

Command	PF Key	Description
EI	PF7	Go to Environmental Information .
START		Start the Natural Monitor history session.
STOP		Terminate the Natural Monitor history session.

The following fields are displayed for this function:

Field	Description
Transaction Id	The CICS transaction under which the Natural Monitor history session is running.

Field	Description										
Current Status	<p>The current status of the history session. This field can have the following values:</p> <table border="0"> <tr> <td>not started</td> <td>No session started</td> </tr> <tr> <td>initializing</td> <td>Session initializing</td> </tr> <tr> <td>active</td> <td>Processing history data</td> </tr> <tr> <td>inactive</td> <td>Waiting for interval time expired</td> </tr> <tr> <td>terminating</td> <td>Session terminating</td> </tr> </table>	not started	No session started	initializing	Session initializing	active	Processing history data	inactive	Waiting for interval time expired	terminating	Session terminating
not started	No session started										
initializing	Session initializing										
active	Processing history data										
inactive	Waiting for interval time expired										
terminating	Session terminating										
Natural User Id	The Natural user ID (*USER) of the Natural Monitor history session.										
Database Id of Repository File	The database ID number of the Natural Monitor repository file.										
Database Fnr of Repository File	The database file number of the Natural Monitor repository file.										
Date Format in Repository File	<p>Indicates the date format for reports written to the repository file. Possible values are:</p> <table border="0"> <tr> <td>OLD</td> <td>The date format is <i>YY/MM/DD</i></td> </tr> <tr> <td>NEW</td> <td>The date format is <i>YYYYMMDD</i></td> </tr> </table>	OLD	The date format is <i>YY/MM/DD</i>	NEW	The date format is <i>YYYYMMDD</i>						
OLD	The date format is <i>YY/MM/DD</i>										
NEW	The date format is <i>YYYYMMDD</i>										
Logging of empty reports	<p>Indicates whether empty reports are written to the repository file.</p> <p>Possible values are: YES or NO.</p>										
Start Date	The start date of the Natural Monitor history session.										
Start Time	The start time of the Natural Monitor history session.										
End Date	The termination date of the Natural Monitor history session.										
End Time	The termination time of the Natural Monitor history session.										
Dynamic Profile Parameters	The dynamic profile parameters for the start of the Natural Monitor history session.										