

Log Information

This section covers the following topics:

- Displaying Logged Information
- Output of Log Information

Displaying Logged Information

- Field Descriptions: Log Display Selection
- Column Headings: System Log
- Browse Commands: System Log
- PF Keys: System Log
- User-defined Log

Entire Operations logs all important system events. Additionally, more detailed user-defined logs are available at the job level. These must be specified for the job in the job definition.

▶ To display all logged information

1. Select the Log Information option from the Main Menu.

The Log Display Selection screen appears:

```

20.11.01          *** Entire Operations 4.1.1 ***          13:03:08
                  Log Display Selection
-----
Log Date ==> 20.11.01 Thru ==> 20.11.01      Max. Lines ==> _____
Log Time ==> 00:00:00 Thru ==> 13:03:08

Owner ==> _____          * Select   Blank All
Network ==> _____        * Select   Blank All

Run ==> 1_____ Thru ==> 99999

Job ==> _____            * Select   Blank All

User ==> _____           * Select   Blank all

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

```

You can specify the date range, owner, network, run number range, job name and user ID for which to display log information.

Field Descriptions: Log Display Selection

Meaning of the input fields:

Field	Description
Log Date ... Thru	Enter date range of log. Default is current date.
Log Time ... Thru	Enter time range of log. Default is from 00:00:00 to 23:59:59 in the format HH:MM:SS.
Maximum Lines	The maximum number of lines in the log display. Blank (value 0) means: no limit. A default value can be defined for each user (see the Entire Operations Administration Documentation).
Owner	Enter name of the owner whose log is to be displayed. Enter asterisk * and press Enter to select owner from a list. Leave blank to select log of all owners.
Network	Enter name of the network whose log is to be displayed. Enter asterisk * and press Enter to select network from a list. Leave blank to select log of all networks.
Run ... Thru	Enter run number range to be displayed. Can be used only if owner and network have been selected. Default: 1-9999 (all).
Job	Enter name of the job whose log is to be displayed. Enter asterisk * and press Enter to select job from a list. Leave blank to select log of all jobs.
User	Enter the user ID, for which the log is to be displayed. To display the log for the Monitor, enter the name of the Monitor task. Enter an asterisk * and press Enter to define a group of users. A selection window does not open. To select the log of all users, either leave this field empty or enter only an asterisk *.

Note:

You can use **only one** of the following methods to display the log. Enter selection criteria: **either** in the Owner/Network/Run/Job fields **or** in the User field.

2. Enter the selection criteria for the desired log information. Press Enter.

The System Log screen appears:

```

ENTIRE OPERATIONS System Log -----Columns 014 088
====>                                     SCROLL====> PAGE
M User ID  Owner      Network  Job      Run  Date  Time  Message
***** top of data *****
TASK 1  EXAMPLE  E60-FLOW  JOB-02    992  18.11  13:23  E60-J019-O -
GHH     SN
GHH     SN
GHH     SN
GHH     SN
GHH     SN
GHH     SN
GHH     SN      DEMO2
TASK 1  SN          SN-E01
TASK 1  EXAMPLE  E40-REC-01  E40-J03    825  18.11  14:00  Latest Start
TASK 1  EXAMPLE  E40-REC-01  E40-J99999 825  18.11  14:00  Latest Start
GHH     SN
GHH     SN
TASK 1  SN          SN-2      HUGO      767  18.11  14:24  Latest Start
TASK 1  SN          SN-2      HUGO-VSE  767  18.11  14:24  Latest Start
TASK 1  SN          SN-2      HUGO-146  767  18.11  14:24  Latest Start
***** bottom of data *****
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      End  Refre Rfind      Up    Down      Left  Right Curso
    
```

The above screen is an example of a system log using the **display all** option for the current date (blank selection criteria).

Column Headings: System Log

The following table explains the column headings for the data listed on the System Log screen:

Column	Description
M	Overtyping the asterisk * in this field with any character to display more specialized information as defined for the job by the user. For more information see the subsection User-defined Log.
Userid	User ID as defined in host TP environment.
Owner	Owner name in Entire Operations.
Job	Entire Operations job name.
Network	Name of the job network.
Run	Job run number.
Date	Date of log entry.
Time	Time of log entry.
Message	Message text.

Browse Commands: System Log

Use the following Editor commands to browse the Log:

Command	Description
BOTTOM	Scroll down to the last Log message at bottom of list.
FIND	Find a string. FIND 'TASK 1', for example, finds the next occurrence of the string TASK 1.
LEFT	Scroll left in the list. LEFT 5, for example, scrolls 5 columns to the left.
RIGHT	Scroll right in the list. RIGHT 5, for example, scrolls 5 columns to the right.
TOP	Scroll up to the first Log message at the top of the list.

PF Keys: System Log

Use the following PF keys to browse the Log:

Key	Name	Function
PF4	Refre	Update the screen with the most recent Log messages at bottom of data.
PF5	Rfind	Find the next occurrence of the string last entered with the FIND command.
PF7	Up	Scroll list toward top of data.
PF8	Down	Scroll list toward bottom of data.
PF10	All	List all active jobs in Entire Operations.
PF11	NxtAc	List next scheduled and manual network activations.

User-defined Log

An asterisk * in the **M** column of any job means that a more specialized **user-defined log** is available according to the specifications made in the original job definition (see the subsection User-defined Log).

To display the user-defined log

1. Type over the asterisk * in the **M** column of the selected job on the System Log screen with any character. Press Enter.

The user-defined log appears.

Types of User-defined Log

Three types of user-defined log are possible:

- **JCL log**
If (in the Job Maintenance facility) you specified JCL logging, the JCL of the job run selected from the System Log screen is displayed in Editor format, browse mode (see User-defined Log); The JCL log source is dependent upon the operating system, in which the job has run. For a detailed description see the subsection User-defined Log.
- **Sysout log**
If you specified the job sysout to be logged after job termination, the sysout of the job run selected from the System Log screen is displayed in Editor format, browse mode;
- **Operating system messages**
If you specified operating system messages to be logged according to the criteria defined in the Job Maintenance facility, the messages of the job run selected from the System Log screen are displayed in Editor format, browse mode.

2. Press PF3 (End) to return to the system log.

Output of Log Information

- Natural Program Call
- Parameters
- Example for a Call
- Example of an Output

Log data can be written to the Natural standard output for printing or for transfer to other programs.

The batch utility NOPLP01P serves this purpose. It must be executed in a Natural batch job. The system files of Entire Operations must be correctly assigned.

Natural Program Call

```
LOGON SYSEOR
NOPLP01P <P-FROM> <P-TO> <P-LANGUAGE>
FIN
```

Parameters

Parameter	Format	Use
P-FROM	A14	Start date (with time as an option) Formats: YYYYMMDD YYYYMMDDHHISS If time is omitted, the start is at the beginning of the day.
P-TO	A14	End date (with time as an option) Formats: YYYYMMDD YYYYMMDDHHISS If time is omitted, the end is at the end of the day.
P-LANGUAGE	I04	Language code (optional) 1 English 2 German If this parameter is omitted, the language setting from the Entire Operations defaults will be used.
P-CHGJCL	A01	Y = Print the changes of the active JCL. In a batch report, the changes to the active JCL will be added. N = Do not print the changes of the active JCL (default).

Example for a Call

```
LOGON SYSEOR
NOPLP01P 20011118 20011118120000 1 N
FIN
```

outputs all log data in English from 18/11/2001 00:00:00 to 18/11/2001 12:00:00, without changes to the active JCL.

Example of an Output

```
1===== Entire Operations Log - 18.11.01 00:00:00 thru 18.11.01 12:00:00
===== Page: 6
```

Date	Time	User-ID	Owner	Network	Run	Job	Code	Message
18.11.01	10:22:36	TASK 1	UKSJU	SCHEDDEP			7715	Network SCHEDDEP did not run on 31.10.01
18.11.01	10:22:36	TASK 1	UKSJU	SCHTEST98			7715	Network SCHTEST98 did not run on 31.10.01
18.11.01	10:22:36	TASK 1	UKSJU	TESTEXP			2710	Calendar WORKDAYS undefined for 2001
18.11.01	10:22:36	TASK 1	USW	V-AT-VWLS			2710	Calendar K-USW undefined for 2001
18.11.01	10:22:36	TASK 1					7065	Schedules of 26 Networks extracted
18.11.01	10:22:38	TASK 1	EXAMPLE	E01-CONTI	526		7370	Symbol Table EX-ST-COMN activated
18.11.01	10:22:38	TASK 1	EXAMPLE	E10-PAR-01	151		7370	Symbol Table EX-ST-COMN activated
18.11.01	10:22:38	TASK 1	EXAMPLE	E60-FLOW	4767		7370	Symbol Table EXAM-ST1 activated
18.11.01	10:22:39	TASK 1	GFR	BS2000	714		7370	Symbol Table GFR-ST1 activated
18.11.01	10:22:39	TASK 1	GFR	BS2000	714		7725	Awaiting Symbol Prompting
18.11.01	10:22:39	TASK 1	GFR	BS2000	714		7725	Message Sending: No Recipient defined
18.11.01	10:22:39	TASK 1	GFR	BS2000	714		2060	Symbol Prompt Request sent to SYSDBA

18.11.01	10:22:40	TASK 1	EXAMPLE	E01-CONTI	526	E01-J01	1990	Time Frame Setting
18.11.01	10:22:40	TASK 1	EXAMPLE	E01-CONTI	526	E01-J02	1990	Time Frame Setting
18.11.01	10:22:40	TASK 1	EXAMPLE	E01-CONTI	526	E01-J03	1990	Time Frame Setting
18.11.01	10:22:40	TASK 1	EXAMPLE	E01-CONTI	526	E01-J04	1990	Time Frame Setting
18.11.01	10:22:40	TASK 1	EXAMPLE	E01-CONTI	526	E01-J05	1990	Time Frame Setting
18.11.01	10:22:40	TASK 1	EXAMPLE	E01-CONTI	526	E01-J06	1990	Time Frame Setting
18.11.01	10:22:40	TASK 1	EXAMPLE	E01-CONTI	526		2110	Network activated on 24.02 at 10:22