

Network Form Instructions

SW12-505

**Implementation
Startup & Reconfiguration - 1**

Network Form Instructions

**SW12-505
Release 520
7/96**

Copyright, Trademarks, and Notices

© Copyright 1995 by Honeywell Inc.

Revision 3 – July 15, 1996

While this information is presented in good faith and believed to be accurate, Honeywell disclaims the implied warranties of merchantability and fitness for a particular purpose and makes no express warranties except as may be stated in its written agreement with and for its customer.

In no event is Honeywell liable to anyone for any indirect, special or consequential damages. The information and specifications in this document are subject to change without notice.

TotalPlant and TDC 3000 are U.S. registered trademarks of Honeywell Inc. Other brand or product names are trademarks of their respective owners.

About This Publication

The information in this publication will assist you to understand and document the following system-wide and network configuration aspects for a **TotalPlant** Solution (TPS) System. TPS is the evolution of TDC 3000^X:

- The naming of units, areas, and consoles
- Assignment of nodes to the network
- The configuration of volumes for the History Module

This publication does not explain how to enter configuration information into the TPS System. That information is provided in the *Network Data Entry* manual, *SW11-505*, located in the *Implementation/Startup & Reconfiguration - 1* binder.

Before using this publication you should be familiar with the contents of these publications:

Title	Publication No.	Binder
Configuration Data Collection Guide	SW12-500	Implementation/Startup & Reconfiguration - 2
Engineer's Reference Manual	SW09-505	Implementation/Startup & Reconfiguration - 2

This publication supports TPS software release 500 through 520..

Change bars are used to indicate paragraphs, tables, or illustrations containing changes that have been made to this manual effective with Release 520. Pages revised only to correct minor typographical errors contain no change bars.

Table of Contents

1 INTRODUCTION

- 1.1 Purpose
- 1.2 Scope
- 1.3 Prerequisites
- 1.4 References

2 GENERAL INSTRUCTIONS

- 2.1 Overview
- 2.2 Parameter Disclosure Notation
- 2.3 Defaults
- 2.4 Pick and Port Notation
- 2.5 Considerations and Guidelines
 - 2.5.1 Network Configuration File

3 SPECIFIC INSTRUCTIONS

- 3.1 General
- 3.2 Units Names Configuration Form SW88-506
- 3.3 Areas Names Configuration Form SW88-507
- 3.4 Console Names Configuration Form SW88-508
- 3.5 LCN Nodes Configuration (Reference) Form SW88-509
- 3.6 Universal Station Node Configuration Form SW88-509
- 3.7 Application Module Node Configuration Form SW88-509
- 3.8 Hiway Gateway Node Configuration Form SW88-509
- 3.9 History Module Node Configuration Form SW88-509
- 3.10 Computing Module Node Configuration Form SW88-509
- 3.11 Network Interface Module Node Configuration Form SW88-509
- 3.12 Network Gateway Module Node Configuration Form SW88-509
- 3.13 System-Wide Values Configuration Form SW88-515
- 3.14 HM Volume Configuration Form SW88-517

INDEX

INTRODUCTION Section 1

1.1 PURPOSE

This publication provides instructions on how to fill in the *SW88-505* Local Control Network configuration forms. These forms are designed to make it easy to collect and organize data for configuration.

1.2 SCOPE

This publication explains how to fill out the forms in publication *SW88-505*. This includes forms for the following:

- Unit Names (IDs/descriptors, up to 100 for each LCN)

- Area Names (Area names/descriptors, up to 10 for each LCN)

- Console Names (Console numbers/descriptors, up to 10 for each LCN)

- LCN Nodes

- Number Assignment

- Node-type Assignment (CM, HG, HM, AM, US, NIM, or NG) and details for each type

- System-Wide Values

- System Descriptor (printer-page width and length, work-shift details, horn-annunciation policy, and access assignment to physical node commands)

- Volume Configuration (by pairs of History Module Nodes or "Node Pairs")

- Node-type selection and dump data

- Area Names/volume size (up to 10/Node Pair)

- Checkpointing assignments

- Continuous History

- Unit-Group assignments (up to 60 Units and 150 Groups/Node Pair)

- Archive Options (Save, Prearchive Hours)

- Process Journals

- Unit Assignment (up to 36 Units/Node Pair)

- Journal Size (for each journal)

- Number of events to be journaled

- CL Storage Configuration (Hiway, number of files, and volume size)

- User Files Storage Volume (Virtual Volume ID, number of files, average file size; up to 15 volumes for each Winchester-disk drive)

1.3 PREREQUISITES

Do the following before filling in the configuration forms:

- Understand the fundamentals of **TotalPlant** Solution (TPS) System network configuration (refer to the *Configuration Data Collection Guide*).
- Collect the data for the TPS system that is to be configured.

1.4 REFERENCES

These publications are useful in Network configuration:

<u>Title</u>	<u>Publication No.</u>	<u>Binder</u>
Application ModuleX System Administration Manual	AX11-500	Application ModuleX
Configuration Data Collection Guide	SW12-500	Implementation/Startup & Reconfiguration - 2
Engineer's Reference Manual	SW09-505	Implementation/Startup & Reconfiguration - 2
Network Data Entry	SW11-505	Implementation/Startup & Reconfiguration - 1
Network Forms	SW88-505	Implementation/Configuration Forms

Make as many copies of the forms in *SW88-505* as are needed. A sample of each form is included in this publication, next to instructions for filling it in.

GENERAL INSTRUCTIONS Section 2

2.1 OVERVIEW

Instructions in this publication describe the entries to be made on the Network configuration forms. These forms match the "screen forms" that are part of the **TotalPlant** Solution (TPS) System network configurator function. The instructions in this publication correspond to configuration data entries made through the Universal Station.

2.2 PARAMETER DISCLOSURE NOTATION

Instructions for filling in the forms are in a tabular format. Each line on the form has a number that corresponds to a number in the table for that form, where the choices and instructions are given. Some of the entries require additional entries. The relationship between the line(s) that require additional entries and the line(s) on which the additional entries are made is indicated by alphabetic suffixes. For example, Lines 8A, 8B, and 8C depend on the entries made in line 8.

2.3 DEFAULTS

Default values are values that are assigned to the data point by the system. When the user chooses not to make an entry in a particular line, the default value is used. The default value for each parameter is listed in these form instructions, and on the data-entry displays.

2.4 PICK AND PORT NOTATION

The forms have two types of entries:

1. Picks (also called targets)—For selecting options. All options are on the forms. For each such entry, circle one of the options.
2. Ports—For entering data. This form instruction gives the maximum number of characters and the set of valid characters; write in an alphanumeric character-string.

2.5 CONSIDERATIONS AND GUIDELINES

The considerations and guidelines in this publication are taken from the *Engineer's Reference Manual*. You should be familiar with that publication before filling in the Network Configuration Forms.

Network Configuration provides a foundation for all other TPS System configuration. If it is not properly planned and completed, it is possible that some configuration tasks would have to be done again. This could involve significant effort and inconvenience. With proper planning, reconfiguration can be minimized or eliminated.

2.5.1 Network Configuration File (NCF.CF)

For Network Configuration, data that is entered for LCN-based functions (Unit, Console and Area Names, LCN Nodes, System-Wide Values, and Volumes) is ultimately installed in the Network Configuration File (NCF.CF). Following are some considerations and guidelines that could minimize configuration errors.

2.5.1.1 Unit Names, Consoles Names, and Area Name Configuration

Unit Names, Console Names, and Area Names are internally used by the system to organize and access data in various operations. In configuration, the position of a name in a list (relative to other names in the list) is retained. If a list is rearranged, or if a name is added to or deleted from the list other than the end of the list, the external names used by the system are changed and the file must be recompiled, reloaded and installed.

Plan Ahead– Ensure that the lists of names are correct as configured and add to only the end of a list if it needs to be changed.

2.5.1.2 LCN Nodes Configuration

Entries on the Network configuration forms must match the hardware configuration of each LCN Node. Configuration of Universal Station Nodes also effectively defines consoles, which are identified by numbers that are unique to a console. Note that a Programmable Logic Controller Gateway (PLCG) is configured on a HG node.

If you purchased custom software (external load modules) or plan to use the background AM/CL software, you will need to refer to that documentation for essential values used on the second or third page of each LCN node configuration screen.

Plan Ahead– If you anticipate that other nodes and devices on consoles will be added to your system, include them in the current configuration to avoid having to shut down/start up parts of the system because of a change to the Network Configuration file (NCF.CF).

Before configuring HG, NIM, or NG Nodes, ensure that networks are sufficiently defined to permit assignment of identifying numbers.

2.5.1.3 System-Wide Values Configuration

Because changes to the Network Configuration file cause at least partial shutdown/restart, it is important to precisely define these values. Do not change revisions of printed-wire boards (last few pages of the System-Wide Values display) unless requested by Honeywell to do so.

2.5.1.4 Volume Configuration

Volume configuration defines how the Winchester disk(s) associated with each History Module (HM) is to be partitioned to store system and user volumes. The definition of disk partitioning is stored on the disk in the Local Network Volume Configuration File (e.g., L01 NVCF.MM), which is created during initialization of HM number 1. When an HM is initialized, it erases any previous Local NVCF file and all the data in all volumes and directories that are stored on the disk. Any information on the disk(s) that you want to save should be copied to removable media (cartridge or floppy disks) before the HM is initialized with the new Network Configuration File (NCF.CF).

Plan Ahead— Use the following information to plan R500 HM partitioning:

General: Total space available on an HM with

- each type 3 Winchester drive = 136,900 kb
- SCSI compatible drives as follows:

	<u>Device</u>	<u>Type</u>	<u>Nominal Size</u>	<u>Formatted Space</u>
•	each ST 3283 drive =	4	210 MB	215,040 kb
•	each ST 3600 drive =	5	445 MB	454,130 kb
•	each ST 31230N drive =	6	875 MB	896,046 kb

A. User Volume Recommendations

1. For ease of identification, you may want to create separate user volumes for—

- | | |
|--------------------------------------|------------------------------|
| • Intermediate Data Files (IDFs) | • Custom Graphic files |
| • Control Language (CL) Source files | • CL Custom-GDF (CDSG) files |
| • Exception Build (EB) Source files | • Custom Software files |

Alternatively, separate directories within a user volume can be created for any of these functions. The first user volume can be configured to have either file descriptors or fast access. We recommend that you configure it for fast access and use it to store custom files where call up time may be time critical.

2. Sizing recommendations/suggestions—Refer to the *Engineer's Reference Manual* (see References).

SPECIFIC INSTRUCTIONS

Section 3

3.1 GENERAL

This section contains detailed instructions on how to fill out each of the Network configuration forms. The instructions are in tables that correspond on a line-by-line basis to the configuration forms.

Default choices on the forms are indicated by bold print. Default values are shown near the entry port.

3.2 UNIT NAMES CONFIGURATION FORM SW88-506

Table 3-1 contains instructions for Configuration Form *SW88-506*.

Table 3-1 — Entries for Unit Names Description Configuration Form

LINE	NAME	FORM ENTRY	REMARKS
<p>NOTE</p> <p>Unit Names as internally used are indexes to the characters as configured for Unit Names. If the list of Unit Names is changed so as to change its sequence, this change WILL NOT BE REFLECTED IN INTERNAL UNIT IDs such as Continuous History.</p>			
1	UNIT ID	<p>Enter two characters for each of up to 100 Units.</p> <p>Unit IDs cannot be changed or deleted in On-Line mode.</p>	<p>Unit IDs are user-defined and can include alpha characters and numeric characters; lower-case alpha characters are automatically converted to upper-case. A Unit ID cannot include an underbar (<u> </u>), and cannot contain a space. Numeric Unit IDs can have a leading zero (eg., 03). Each Unit ID must be unique in the system; numeric Unit IDs "3" and "03" are not allowed in the same system. The characters SY are reserved and are not allowed as Unit ID.</p>
	UNIT DESCRIPTION	<p>Enter up to 24 characters for each Unit ID configured.</p>	<p>Unit description can include any character on the Engineering Keyboard; lower-case letters are automatically converted to upper case.</p>

3.3 AREA NAMES CONFIGURATION FORM SW88-507

Table 3-2 contains instructions for Configuration Form *SW88-507*.

Table 3-2 — Entries for Area Names Description Configuration Form

LINE	NAME	FORM ENTRY	REMARKS
1	AREA NAME	Enter up to eight characters for each of up to 10 areas.	Area names can include alphanumeric characters or underbar. Area names must be legal identifiers.
	AREA DESCRIPTION	– up to 24 characters for AREA DESCRIPTION	Area descriptions are defined by the user, and can include any characters on the Engineer's Keyboard. Lower-case letters are converted to upper case.

CAUTION

1. Enter Area Names consecutively (i.e., no blank lines between names).
2. If you use short numbered area names like 1, 2, 3, etc., we suggest that you put them on lines 1,2,3 etc., respectively, to avoid confusion. During an area change, the line number and area name for all configured areas appear side by side (e.g., **01 1**). If you use the name `Area01` on line one it appears as **01 Area01**; if you used the name `A`, it appears as **01 A**.

NOTE

Following a power dropout, certain recovery techniques are sometimes easier and faster if at least two Areas are configured. Therefore, Honeywell recommends that you enter at least two area names. If all 10 areas are not needed, we recommend that you enter one spare area name (you will not need to build a database for the spare area).

CONSOLE NAMES CONFIGURATION FORM

EDIT CONSOLE NAMES

PAGE 1

1	CONSOLE NUMBER	CONSOLE DESCRIPTION
	1	_____
	2	_____
	3	_____
	4	_____
	5	_____
	6	_____
	7	_____
	8	_____
	9	_____
	10	_____

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

3.4 CONSOLE NAMES CONFIGURATION FORM SW88-508

Table 3-3 contains instructions for Configuration Form *SW88-508*.

Table 3-3 — Instructions for Console Names Configuration Form

LINE	NAME	FORM ENTRY	REMARKS
1	CONSOLE DESCRIPTION	Enter up to 24 characters for each of up to 10 consoles.	Console descriptions can consist of any characters on the Engineer's Keyboard. Lower-case letters are converted to upper case.

LCN NODES CONFIGURATION (REFERENCE) FORM

LCN NODE CONFIGURATION - SELECT DESIRED NODE DISPLAY

1

NODE NO.	NODE TYPE	REDUNDANT		NODE NO.	NODE TYPE	REDUNDANT		NODE NO.	NODE TYPE	REDUNDANT	
		N/P/S	NO.			N/P/S	NO.			N/P/S	NO.

PAGE 1

1	.....			9	.....			17	.....	
2	.....			10	.....			18	.....	
3	.....			11	.....			19	.....	
4	.....			12	.....			20	.....	
5	.....			13	.....			21	.....	
6	.....			14	.....			22	.....	
7	.....			15	.....			23	.....	
8	.....			16	.....			24	.....	

PAGE 2

25	.....			33	.....			41	.....	
26	.....			34	.....			42	.....	
27	.....			35	.....			43	.....	
28	.....			36	.....			44	.....	
29	.....			37	.....			45	.....	
30	.....			38	.....			46	.....	
31	.....			39	.....			47	.....	
32	.....			40	.....			48	.....	

PAGE 3

49	.....			57	.....	
50	.....			58	.....	
51	.....			59	.....	
52	.....			60	.....	
53	.....			61	.....	
54	.....			62	.....	
55	.....			63	.....	
56	.....			64	.....	

NOTES: Type = US or U^XS (Universal Station) N/P/S = None, or
 = HG (Hiway Gateway or PLCG) = Primary, or
 = HM (History Module) = Secondary
 = AM or A^XM (Application Module)
 = CM (Computing Module)
 = NIM (Network Interface Module)
 = NG (Network Gateway Module)

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
 Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

3.5 LCN NODES CONFIGURATION (REFERENCE) FORM SW88-509

Table 3-4 contains instructions for Configuration Form SW88-509, Page 1.

Table 3-4 — Entries for LCN Nodes Configuration (Reference) Form

LINE	NAME	FORM ENTRY	REMARKS
1	NODE NO.	No entry	Node No. is preprinted on the form. It is the physical node number (or node address) that is configured in hardware.
	NODE TYPE (See Note 2)	Enter as required: US II HG II HM II AM II CM II NIM II NG II US IV HG IV HM IV AM IV CM IV NIM IV NG IV	US= Universal Station or Universal Station ^X HG = Hiway Gateway or PLCG HM = History Module AM = Application Module or Application Module ^X CM = Computing Module NIM = Netwk. Interf. Module NG = Network Gateway
	REDUNDANT NODE – N/P/S	Enter N or P or S, and	N = no redundant node, P = Primary node, S = Secondary node.
	– NO.	enter 2-digit number.	NO. = number of redundant node (primary or secondary).
NOTES			
<ol style="list-style-type: none"> Page 1 of this form is only for reference. No configuration data entry can be made through this display. Data that appears in the LCN Nodes Configuration display is actually entered through displays that correspond to the remaining pages in form SW88-509. If a module uses an HMPU, HPK2, or K2LCN printed wire board, circle the type II version. If a module contains a K4LCN, circle the type IV version. A Programmable Logic Controller Gateway (PLCG) is configured as an HG. 			

LCN NODES CONFIGURATION FORM
(Continued)

UNIVERSAL STATION NODE DISPLAY

1 NODE

2 CONSOLE # STATION # DEFAULT AREA

3 Console Peripheral Device Numbers:

CARTRIDGE DISC NUMBERS

FLOPPY DISC NUMBERS

PRINTER NUMBER

TREND PEN NUMBER

4 STATION DEFAULT ACCESS LEVEL VIEW **OPER**

5 STATION DEFAULT LOAD PERSONALITY UP **OPER**

6 STATION OPTIONS

OPERATOR'S KEYBOARD

TOUCH SCREEN

ENGINEER'S KBD

YES **NO**

YES **NO**

YES **NO**

References:

Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

3.6 UNIVERSAL STATION NODE CONFIGURATION FORM SW88-509

Table 3-5 contains instructions for Configuration Form *SW88-509*, Page 2.

Table 3-5 — Instructions for Universal Station/Universal Station^X Configuration Form

LINE	NAME	FORM ENTRY	REMARKS
UNIVERSAL STATION NODE DISPLAY			
1	NODE	Enter the node number to be configured.	Physical node number; refer to Table 3-4.
2	CONSOLE #	Enter a number from 1 to 10.	Assigns this Universal Station to a console.
	STATION #	Enter a number from 1 to 10.	Assigns unique number to this station.
	DEFAULT AREA	Enter one of the area names defined on Form <i>SW88-507</i> .	Defines default area data base to be loaded into the specified Universal Station.
3	Console Peripheral Device Numbers		
	– CARTRIDGE DISC NUMBERS	Enter one or two numbers from 1 to 20, unique within a console.	Assigns a logical-device number to each cartridge disk drive attached to this Universal Station.
	– FLOPPY DISC NUMBERS	Enter one or two numbers from 1 to 20, unique within a console. You cannot mix floppy and cartridge disks	Assigns a logical-device number to each floppy disk drive attached to this Universal Station.
	– PRINTER NUMBER	Enter a number from 1 to 10, unique within a console (see NOTE at end of table).	Assigns a logical-device number to the printer attached to this US.
	– TREND PEN NUMBER	Enter a number from 1 to 10, unique within a console.	Assigns a logical-device number to the Trend Pen assigned to this console.
4	STATION DEFAULT ACCESS LEVEL (The level of access without a key)	Circle one: VIEW OPER	Select: –OPER for normal operator access to the operating displays called up at this Universal Station. –VIEW to configure this US for view-only access to operating displays.
5	STATION DEFAULT LOAD PERSONALITY	Circle one: UP OPER	Select the default personality to be loaded by Autoload Net, and the reload options.
6	STATION OPTIONS		
	OPERATORS KEYBOARD	Circle one: YES NO	Select YES if the station has an Operator Keyboard.
	TOUCH SCREEN	Circle one: YES NO	Select YES if the station has a touch screen. Also select YES for a UxS Station with a Mouse or Trackball.
	ENGINEER KEYBOARD	Circle one: YES NO	Select YES if the station has an Engineer's Keyboard

(Continued)

Table 3-5 contains instructions for Configuration Form *SW88-509*, Page 3. If you did not purchase custom software (External Load Modules) skip to the next section.

Table 3-5 — Instructions for Universal Station Configuration Form (Continued)

LINE	NAME	FORM ENTRY	REMARKS
UNIVERSAL STATION NODE DISPLAY, Continued			
6	NAME	Enter the name(s) of External Load Modules that use this node.	Get exact Load Module name from instructions with the custom software.
8	ADDITIONAL MODULE MEMORY (WORDS) OPR/UP	Enter size of any additional memory to be reserved for this node. Enter for each applicable personality.	Get this information from documentation that comes with the Load Module.
9	MAXIMUM EXTERNAL MODULE MEMORY (WORDS) OPR/UP	Enter maximum memory words to be allowed for External Load Modules for each personality.	If this information isn't in documentation that comes with the Load Module, leave blank. It can be determined at data entry time.
10	FURTHER EXTERNAL DIRECTIVES? YES, NO- OPR/UP	Circle NO unless otherwise instructed by documentation with the custom software.	YES means an external Load directive file must be accessed when the node is loaded with this personality.
11	EXTERNAL CUSTOM SCHEMATIC MEMORY (KILOWORDS)	Enter a number or "ALL". ALL reserves all available memory above node minimum for schematics. If you have external load modules, do not enter ALL.	If you need to add more hardware memory to the US refer to the service manuals. Available memory must hold a US personality, optional load modules, and the largest schematic.

NOTE

As long as one printer is present within the console, you can make screen prints from US stations in that console that do not actually have a printer attached. To enable this function, configure a printer on US stations from which screen printing is desired. Enter a different printer number for each station.

After network configuration tasks are complete and the new NCF file is installed, you can use the Printer Assignment function on the Console Status display to direct screen prints to a printer that is present. The Peripheral Status for stations configured this way is "PRINTER NOT PRES".

SW88-509
Page 4 of 10
7/96

LCN NODES CONFIGURATION FORM
(Continued)

APPLICATION MODULE NODE DISPLAY

1 NODE
 2 REDUNDANT MEMBER NODE ID
 3 STARTUP MODE **COLD** WARM HOT NOPROC

4 ASSIGNED UNIT LIST

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

USER MEMORY ALLOCATION

5 FUNCTIONAL ADJUSTMENTS: Default=

5A # BACKGROUND CL TASKS 0

5B # CONCURRENT DATA ACCESSES FROM BACKGROUND CL 0

5C BACKGROUND TASK STACK SIZE 0

5D CVB SIZE FOR FAST & SLOW POINT PROCESSORS 2000

5E REDUNDANCY BUFFER INCREASE (# OF 32KW BLOCKS) 0

5F INCLUDE INTERNETWORK POINT PROCESSOR YES **NO**

5G CVB SIZE FOR IPP 0

5H USER MEMORY RESERVED (# OF 32KW BLOCKS) 0

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

3.7 APPLICATION MODULE NODE CONFIGURATION FORM SW88-509

Table 3-6 contains instructions for Configuration Form *SW88-509*, Page 4.

Table 3-6 — Instructions for Application Module Node Configuration Form

LINE	NAME	FORM ENTRY	REMARKS
APPLICATION MODULE NODE DISPLAY (Use for AM or A^XM)			
1	NODE	Enter a number from 1 to 64.	Physical node number
2	REDUNDANT MEMBER NODE ID	Enter a number from 1 to 64.	Physical node number of the optional redundant AM. This number must be larger than the primary node number.
3	STARTUP MODE	Circle one: COLD WARM HOT NOPROC	Selects the default startup mode. Refer to the <i>Control Functions Reference Manual</i>
4	ASSIGNED UNIT LIST	Enter 1 to 62 Unit IDs in startup order (from Form <i>SW88-506</i>). Separate IDs with commas or spaces. For an AM with a redundant node the limit is 61.	Defines the Units that include the points assigned to this AM. A given Unit can be assigned to only one AM and/or one CM.
<p>5 FUNCTIONAL ADJUSTMENTS—Most of the items below are for use with A^XM or Background CL, CL/AM extensions, and other specialized functions. If you have not written or purchased packages that use these specialized functions skip them. These items can be entered later using the on-line reconfiguration process. Items 5F and 5G are for use with an optional Network Gateway. For A^XM, see the <i>Application ModuleX System Administration</i> manual.</p>			
5A	# BACKGROUND CL TASKS	Enter the number of CL back-ground tasks you want to use.	Range is 0 - 10. Memory used includes stack size. The larger the setting, the more AM memory required.
5B	# CONCURRENT DATA ACCESSES FROM B/GND CL	Enter the number of concurrent data access tasks allowed from back-ground CL.	Range is 0 - 4. It must equal at least 1 if the number of Background CL Tasks is > 0.
5C	BACKGROUND TASK STACK SIZE	Enter CL Background Task stack size (in words).	Range is 700 - 32000. Default is 15000.
5D	CVB SIZE FOR FAST & SLOW PT. PROCESSORS	Enter Current Value Buffer size for fast or slow point processor (in words).	Range is 2000 - 15000. Default is 2000. See Eng. Ref. Manual, AM Memory Size.
5E	REDUNDANCY BUFFER INCREASE (# OF 32 KW BLOCKS)	Enter number of additional 32 KW blocks in AM Redundancy Buffer (in words).	Range is 0 - 12; Default is 0. Redundancy Buffer increase plus user memory reserved must be <=12.
5F	INCLUDE INTER-NW POINT PROC.	Select: YES or NO	Yes permits internetwork access from assigned ports.
5G	CVB SIZE FOR IPP	Enter the Current Value Buffer size (in words) for IPP.	Range is 2000-15000. IPP = Internetwork Point Processing.
5H	USER MEMORY RESERVED (# OF 32 KW BLOCKS)	Enter # 32 KW blocks reserved for future use.	Range is 0 - 12; Default is 0. Redundancy buffer increase plus user memory reserved must be <= 12.

Table 3-7 contains instructions for Configuration Form *SW88-509*, Page 5. If you did not purchase custom software (External Load Modules) skip to the next section.

Table 3-7 — Instructions for Application Module Configuration Form

LINE	NAME	FORM ENTRY	REMARKS
APPLICATION MODULE NODE DISPLAY, Continued			
6	NAME	Enter the name(s) of External Load Modules that use this node.	Get exact Load Module name from instructions with the custom software. For A ^X M values, refer to the <i>A^XM System Administration</i> manual.
8	ADDITIONAL MODULE MEMORY (WORDS)	Enter size of any additional memory to be reserved for this node.	Get this information from documentation that comes with the Load Module.
9	FURTHER EXTERNAL DIRECTIVES? YES, NO	Circle NO unless otherwise instructed by documentation with the custom software.	YES means an external Load directive file must be accessed when the node is loaded with this personality.

3.8 HIWAY GATEWAY NODE CONFIGURATION FORM SW88-509

Table 3-8 contains instructions for Configuration Form *SW88-509*, Page 6.

Table 3-8 — Instructions for Hiway Gateway Node Configuration Form

LINE	NAME	FORM ENTRY	REMARK
HIWAY GATEWAY MODULE NODE DISPLAY			
1	NODE	Enter a number from 1 to 64.	Physical node number; refer to Table 3-4.
2	REDUNDANT MEMBER NODE ID	Enter a number from 1 to 64.	Physical node number of the optional redundant HG. This number must be greater than the primary node number.
3	HIWAY NUMBER	Enter a number from 1 to 20.	Defines a logical address for the Data Hiway connected to this HG. If the network contains an NIM, hiway numbers must be different from UCN numbers.
4	NAME	Enter the name(s) of External Load Modules that use this node.	Get exact Load Module name from instructions with the custom software.
6	ADDITIONAL MODULE MEMORY (WORDS)	Enter size of any additional memory to be reserved for this node.	Get this information from documentation that comes with the Load Module applicable personality.
7	MAXIMUM EXTERNAL MODULE MEMORY (WORDS)	Enter maximum memory words to be allowed for External Load Modules for the personality.	If this information isn't in documentation that comes with the Load Module, leave blank. It can be determined at data entry time.
8	FURTHER EXTERNAL DIRECTIVES? YES, NO	Circle NO unless otherwise instructed by documentation with the custom software.	YES means an external Load directive file must be accessed when the node is loaded with this personality.

3.9 HISTORY MODULE NODE CONFIGURATION FORM SW88-509

Table 3-9 contains instructions for Configuration Form *SW88-509*, Page 7.

Table 3-9 — Instructions for History Module Node Configuration Form

LINE	NAME	FORM ENTRY	REMARKS
HISTORY MODULE NODE DISPLAY			
1	NODE	Enter the node number to be configured.	Physical node number; refer to Table 3-4.
2	REDUNDANT MEMBER NODE ID	Enter 0	For future use/special situations, the configurator allows an entry. Normally you should enter 0.
3	NODE PAIR NUMBER	Enter a number from 1 to 20.	Assigns a logical node-pair number to this HM that is used during Volume configuration.
4	NAME	Enter the name(s) of External Load Modules that use this node.	Get exact Load Module name from instructions with the custom software.
6	ADDITIONAL MODULE MEMORY (WORDS) HMO/HMI	Enter size of any additional memory to be reserved for this node. Enter for each applicable personality.	Get this information from documentation that comes with the Load Module.
7	MAXIMUM EXTERNAL MODULE MEMORY (WORDS) HMO/HMI	Enter maximum memory words to be allowed for External Load Modules for the personality.	If this information isn't in documentation that comes with the Load Module, leave blank. It can be determined at data entry time.
8	FURTHER EXTERNAL DIRECTIVES? YES, NO HMO/HMI	Circle NO unless otherwise instructed by documentation with the custom software.	YES means an external Load directive file must be accessed when the node is loaded with this personality.

3.10 COMPUTING MODULE NODE CONFIGURATION FORM SW88-509

Table 3-10 contains instructions for Configuration Form *SW88-509*, Page 8.

Table 3-10 — Instructions for Computing Module Node Assignment Form

LINE	NAME	FORM ENTRY	REMARKS
COMPUTING MODULE NODE DISPLAY			
1	NODE	Enter the node number to be configured.	Physical node number; refer to Table 3-4.
2	ASSIGNED UNITS	Enter 1 to 62 Unit IDs in startup order (from Form <i>SW88-506</i>). For a CM with a redundant node, the limit is 61. Unit IDs must be separated by commas or spaces.	Defines the Units that include points assigned to this Computing Module. A Unit can be assigned to only one AM and/or one CM.
3	NAME	Enter the name(s) of External Load Modules that use this node.	Get exact Load Module name from instructions with the custom software.
5	ADDITIONAL MODULE MEMORY (WORDS)	Enter size of any additional memory to be reserved for this node.	Get this information from documentation that comes with the Load Module.
6	MAXIMUM EXTERNAL MODULE MEMORY (WORDS)	Enter maximum memory words to be allowed for External Load Modules for the personality.	If this information isn't in documentation that comes with the Load Module, leave blank. It can be determined at data entry time.
7	FURTHER EXTERNAL DIRECTIVES? YES, NO	Circle NO unless otherwise instructed by documentation with the custom software.	YES means an external Load directive file must be accessed when the node is loaded with this personality.

3.11 NETWORK INTERFACE MODULE NODE CONFIGURATION FORM SW88-509

Table 3-11 contains instructions for Configuration Form *SW88-509*, Page 9.

Table 3-11 — Instructions for Network Interface Module Node Configuration Form

LINE	NAME	FORM ENTRY	REMARK
NETWORK INTERFACE MODULE NODE DISPLAY			
1	NODE	Enter a number from 1 to 64.	Physical node number; refer to Table 3-4.
2	REDUNDANT MEMBER NODE ID	Enter a number from 1 to 64.	Physical node number of the optional redundant NIM. This number must be greater than the primary node number.
3	UNIVERSAL CONTROL NETWORK	Enter a number from 1 to 20.	Defines a logical address for the Universal Control Network connected to this NIM. If the system contains an HG, UCN numbers must be different from Data Hiway numbers.
4	NAME	Enter the name(s) of External Load Modules that use this node.	Get exact Load Module name from instructions with the custom software.
6	ADDITIONAL MODULE MEMORY (WORDS)	Enter size of any additional memory to be reserved for this node.	Get this information from documentation that comes with the Load Module.
7	MAXIMUM EXTERNAL MODULE MEMORY (WORDS)	Enter maximum memory words to be allowed for External Load Modules for the personality.	If this information isn't in documentation that comes with the Load Module, leave blank. It can be determined at data entry time.
8	FURTHER EXTERNAL DIRECTIVES? YES, NO	Circle NO unless otherwise instructed by documentation with the custom software.	YES means an external Load directive file must be accessed when the node is loaded with this personality.

3.12 NETWORK GATEWAY MODULE NODE CONFIGURATION FORM SW88-509

Table 3-12 contains instructions for Configuration Form *SW88-509*, Page 10.

Table 3-12— Instructions for Network Gateway Module Node Configuration Form

LINE	NAME	FORM ENTRY	REMARK
NETWORK INTERFACE MODULE NODE DISPLAY			
1	NODE	Enter a number from 1 to 64.	Physical LCN node number; refer to Table 3-4.
2	PIN LOCAL ADDRESS	Enter a number from 1 to 64.	Enter the local logical address.
3	PIN GLOBAL ADDRESS	See Remark column.	Enter the Honeywell provided address that corresponds to the local address.
4	CONFIGURED CABLES	Select A or B or both.	Select which cables are configured.
5	NAME	Enter the name(s) of External Load Modules that use this node.	Get exact Load Module name from instructions with the custom software.
7	ADDITIONAL MODULE MEMORY (WORDS)	Enter size of any additional memory to be reserved for this node.	Get this information from documentation that comes with the Load Module.
8	MAXIMUM EXTERNAL MODULE MEMORY (WORDS)	Enter maximum memory words to be allowed for External Load Modules for the personality.	If this information isn't in documentation that comes with the Load Module, leave blank. It can be determined at data entry time.
9	FURTHER EXTERNAL DIRECTIVES? YES, NO	Circle NO unless otherwise instructed by documentation with the custom software.	YES means an external Load directive file must be accessed when the node is loaded with this personality.

NOTE

These instructions are intended to help you fill in the paper forms. The Network Data Entry manual describes a special order needed to key NG form-data into the US.

SYSTEM-WIDE VALUES CONFIGURATION FORM

SYSTEM-WIDE VALUES MENU DISPLAY

SYSTEM ID DISPLAY

1 SYSTEM DESCRIPTOR _____ SYSTEM ID

CLOCK SOURCE DISPLAY

2 CLOCK LOCATIONS: NODE NODE

USER AVERAGE PERIOD DISPLAY

3 USER AVERAGE PERIOD **3** 4 5 6 10 12 15 20 30
(Minutes)

SHIFT DATA DISPLAY

4 SHIFTS PER WEEK MONTHLY PERIOD TYPE **CALENDAR** 28 DAY
default = 21

5 REPORT START HOUR + DAY OF WEEK default = 0
MON TUE WED THU FRI SAT SUN

6 REPORT START HOUR + DAY 1ST SHIFT default = 1
MON TUE WED THU FRI SAT SUN

7 ARRAY OF SHIFT LENGTH HOUR - ENTER ONE VALUE FOR EACH SHIFT IN A WEEK

, , , , , , , , , , ,
def. = 8 8 8 8 8 8 8 8 8 8 8

, , , , , , , , , ,
def. = 8 8 8 8 8 8 8 8 8 8

, , , , , , , , , , ,

, , , , , , , , , ,

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

3.13 SYSTEM-WIDE VALUES CONFIGURATION FORM SW88-515

Table 3-13 contains instructions for Configuration Form SW88-515.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Page 1 of 14)

LINE	NAME	FORM ENTRY	REMARKS
SYSTEM-WIDE VALUES MENU DISPLAY			
1	SYSTEM DESCRIPTOR	Enter up to 24 characters.	System descriptor, which consists of any 24 characters, is user-defined.
	SYSTEM ID	Enter three alphanumeric characters	
2	CLOCK NODE 1	Enter a number from 1 to 64 (lowest number in left box).	The system must have two clock source paddle boards. If any nodes have HMPU or HPK2 boards, two of those with clock paddle boards must be used as clock sources.
	CLOCK NODE 2	Enter a number from 1 to 64 (highest number in right box).	
3	USER AVERAGE PERIOD (Minutes)	Circle one: 3 4 5 6 10 12 15 20 30	Selects the period for Continuous History user average groups on all HMs.
4	SHIFTS PER WEEK	Enter a number from 1 to 42. (Default for 8-hour shifts is 21.)	Sets the total number of shifts that occur in a week.
	MONTHLY PERIOD TYPE	Circle one: CALENDAR 28 DAY	Selects the base period for a month of Continuous History.
5	REPORT START HOUR AND DAY OF WEEK	Enter 1 or 2 numeric digits Circle one: MON TUE WED THU FRI SAT SUN	Defines the day and hour when the week begins. If shift begins at midnight, enter 0.
6	REPORT START HOUR AND DAY OF FIRST SHIFT	Enter 1 or 2 numeric digits Circle one: MON TUE WED THU FRI SAT SUN	Defines the day and hour when the first shift begins. If shift begins at midnight, enter 0.
7	ARRAY OF SHIFT LENGTH HOUR – ENTER ONE VALUE FOR EACH SHIFT IN A WEEK	Enter a number of nonzero fields equal to the number of shifts per week defined on line 6. For 21, 8-hour shifts, enter the number eight, followed by space or comma, 21 times.	Each 1- or 2-digit number represents shift length in hours.

SW88-515
Page 2 of 14
7/96

SYSTEM-WIDE VALUES CONFIGURATION FOR
(Continued)

CONSOLE DATA DISPLAY		PAGE 1	
NCF INSTALL TIME	| _____ DATE/TIME _____ |	FILE VERSION	| / / | REVISION | / / |
NCF SOURCE	| _____ PATHNAME _____ |	CONFIGURATOR	| / / | | / / |
8	FAST RAISE/LOWER RATE	2 3 5 10	PERCENT PER INCREMENT
9	PRINTER PAGE LENGTH	| _ | _ | _ | _ |	PRINTER PAGE WIDTH | _ | _ | _ | _ | default = 66 default = 132
10	TREND PEN DELAY	1 SEC	6 SEC
11	CL MESSAGE CONFIRMATION-AFTER-ACKNOWLEDGEMENT	YES	NO
12	PRINTED TREND FORMAT	GRAPHIC	NUMERIC
13	REAL TIME JOURNAL SIZE	100	400
14	REAL TIME JOUR. HEADER/TRAILER MESSAGES	BEG/END	BEG ONLY
16	KEYLEVEL CHANGE JOURNAL SUPPRESSION	YES	NO
17	CONTACT CUTOUT ALARMS ON ALARM SUMMARY	CLEAR IMMEDIATELY	CLEAR WHEN ACKED

CONSOLE DATA DISPLAY		PAGE 2	
HORN ANNUNCIATION POLICY			
18	CONSOLE STATUS EVENT	CONTACT_1	CONTACT_2 CONTACT_3
19	SYSTEM STATUS EVENT	CONTACT_1	CONTACT_2 CONTACT_3
20	OPERATOR ACK ONLY MESSAGE	CONTACT_1	CONTACT_2 CONTACT_3
21	OPERATOR CONFIRM MESSAGE	CONTACT_1	CONTACT_2 CONTACT_3
22	LOW PRIORITY ALARM	CONTACT_1	CONTACT_2 CONTACT_3
23	HIGH PRIORITY ALARM	CONTACT_1	CONTACT_2 CONTACT_3
24	EMERGENCY PRIORITY ALARM	CONTACT_1	CONTACT_2 CONTACT_3
25	CONTACT 1 OUTPUT STATE	MOMENTARY	STEADY
26	CONTACT 2 OUTPUT STATE	MOMENTARY	STEADY
27	CONTACT 3 OUTPUT STATE	MOMENTARY	STEADY
28	PRINTER ALARMS ANNUNCIATED	YES	NO

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Page 2 of 14)

LINE	NAME	FORM ENTRY	REMARKS
CONSOLE DATA—SYSTEM-WIDE VALUES DISPLAY—PAGE 1			
	NCF RELATED DATA	No entry required	For reference only.
8	FAST RAISE/LOWER RATE (PERCENT PER INCREMENT)	Circle one: 2 3 5 10	Sets the raise/lower rate for the double-arrow increment buttons on the operator's keyboard.
9	PRINTER PAGE-LENGTH	Enter a number from 1 to 255 (Default = 66)	Defines the number of lines for each printed page.
	WIDTH	Enter a number from 80 to 132. (Default = 132)	Defines the maximum width (in character units) of a printed page).
10	TREND PEN DELAY	Circle one 1 SEC or 6 SEC	Select the delay period for marking (moving the pen from 0 to 100%).
11	CL MESSAGE CONFIRMATION AFTER ACKNOWLEDGEMENT	Circle one: YES NO	Select YES to allow message confirmation only after acknowledgement. Select NO to allow confirm before ACK.
12	PRINTED TREND FORMAT	Circle one: GRAPHIC or NUMERIC	Select Graphic for traditional trend format or Numeric for numerical format.
13	REAL TIME JOURNAL JOURNAL SIZE	Circle one: 100 or 400 (Default = 100)	Defines the RTJ Event Buffer Size (No. of Events)
14	REAL TIME JOUR. HEADER/TRAILER MESSAGE	Circle one: BEG/END or BEG ONLY	Choose BEG ONLY to eliminate words: RTJ END following RTJ message
16	KEYLEVEL CHANGE JOURNAL SUPPRESSION	Circle one: YES NO (R520 and later software)	YES = suppress HM/RTJ journaling of keylevel changes due to \$KEYCHG, \$KEYRST, and CROSSKBD actors.
17	CONTACT CUTOFF ALARMS ON ALARM SUMMARY DISPLAY	Circle one: CLEAR IMMEDIATELY or CLEAR WHEN ACKED	Choose how unacknowledged Contact Cutout alarms are cleared. If set to Clear When ACKED, alarms remain on the Alarm Summary display with the timestamp backlit until Acknowledged.

SW88-515
Page 2 of 14
7/96

SYSTEM-WIDE VALUES CONFIGURATION FOR I
(Continued)

CONSOLE DATA DISPLAY

PAGE 1

NCF INSTALL TIME	| _____ |	DATE/TIME	FILE VERSION	|__|	REVISION	|__|
NCF SOURCE	| _____ |	PATHNAME	CONFIGURATOR	|__|		|__|
8	FAST RAISE/LOWER RATE	2	3	5	10	PERCENT PER INCREMENT
9	PRINTER PAGE LENGTH	|__|	|__|	|__|	|__|	PRINTER PAGE WIDTH
		default = 66				default = 132
10	TREND PEN DELAY			1	SEC	6 SEC
11	CL MESSAGE CONFIRMATION-AFTER-ACKNOWLEDGEMENT			YES		NO
12	PRINTED TREND FORMAT			GRAPHIC		NUMERIC
13	REAL TIME JOURNAL SIZE			100		400
14	REAL TIME JOUR. HEADER/TRAILER MESSAGES			BEG/END		BEG ONLY
16	KEYLEVEL CHANGE JOURNAL SUPPRESSION			YES		NO
17	CONTACT CUTOUT ALARMS ON ALARM SUMMARY			CLEAR IMMEDIATELY		CLEAR WHEN ACKED

CONSOLE DATA DISPLAY

PAGE 2

HORN ANNUNCIATION POLICY

18	CONSOLE STATUS EVENT	CONTACT_1	CONTACT_2	CONTACT_3
19	SYSTEM STATUS EVENT	CONTACT_1	CONTACT_2	CONTACT_3
20	OPERATOR ACK ONLY MESSAGE	CONTACT_1	CONTACT_2	CONTACT_3
21	OPERATOR CONFIRM MESSAGE	CONTACT_1	CONTACT_2	CONTACT_3
22	LOW PRIORITY ALARM	CONTACT_1	CONTACT_2	CONTACT_3
23	HIGH PRIORITY ALARM	CONTACT_1	CONTACT_2	CONTACT_3
24	EMERGENCY PRIORITY ALARM	CONTACT_1	CONTACT_2	CONTACT_3
25	CONTACT 1 OUTPUT STATE	MOMENTARY	STEADY	
26	CONTACT 2 OUTPUT STATE	MOMENTARY	STEADY	
27	CONTACT 3 OUTPUT STATE	MOMENTARY	STEADY	
28	PRINTER ALARMS ANNUNCIATED	YES	NO	

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Page 2 of 14)

LINE	NAME	FORM ENTRY	REMARKS
CONSOLE DATA—SYSTEM -WIDE VALUES DISPLAY—PAGE 2			
18	CONSOLE STATUS EVENT	Circle 1 to 3: CONTACT 2 CONTACT 3	CONTACT 1 CONTACT 3 –a console status alarm or console status change occurs.
19	SYSTEM STATUS EVENT	Circle 1 to 3: CONTACT 2 CONTACT 3	CONTACT 1 CONTACT 3 –a system alarm or system status change occurs.
20	OPERATOR ACK ONLY MESSAGE	Circle 1 to 3: CONTACT 2 CONTACT 3	CONTACT 1 CONTACT 3 –an operator acknowledges a message at the Message Summary display.
21	OPERATOR CONFIRM MESSAGE	Circle 1 to 3: CONTACT 2 CONTACT 3	CONTACT 1 CONTACT 3 –an operator confirms a message at the Message Summary display.
22	LOW PRIORITY ALARM	Circle 1 to 3: CONTACT 2 CONTACT 3	CONTACT 1 CONTACT 3 –a low priority process alarm occurs.
23	HIGH PRIORITY ALARM	Circle 1 to 3: CONTACT 2 CONTACT 3	CONTACT 1 CONTACT 3 –a high priority process alarm occurs.
24	EMERGENCY PRIORITY ALARM	Circle 1 to 3: CONTACT 2 CONTACT 3	CONTACT 1 CONTACT 3 –an emergency priority process alarm occurs.
25	CONTACT 1 OUTPUT STATE	Circle one: or Steady	Momentary –Horn sounds for two seconds or horn stays on (until reset)
26	CONTACT 2 OUTPUT STATE	Circle one: or Steady	Momentary –Horn sounds for two seconds or horn stays on (until reset)
27	CONTACT 3 OUTPUT STATE	Circle one: or Steady	Momentary –Horn sounds for two seconds or horn stays on (until reset)
28	PRINTER ALARMS ANNUNCIATED	Circle one:	Yes or No –Yes = Printer alarms on the console will sound and Console Status key LED will light. No = journal and show Service Alarm (no blink) on Console Status display (but no sound).

SYSTEM-WIDE VALUES CONFIGURATION FORM
(Continued)

CONSOLE DATA DISPLAY

PAGE 3

ALARM MANAGEMENT CONFIGURATION

29	RED COLOR ALARM PRIORITY	LOW	HIGH	EMERGENCY
30	PRIORITY INDICATORS ON ALARM DISPLAYS	CHARACTERS		SYMBOLS
31	ALARM PRIORITY COLORS	RED, YELLOW	3 COLORS (USER SELECTABLE)	
32	THREE COLOR ALARM PRIORITY:			
	EMERGENCY	RED	YELLOW	MAGENTA GREEN BLUE CYAN WHITE
	HIGH	RED	YELLOW	MAGENTA GREEN BLUE CYAN WHITE
	LOW	RED	YELLOW	MAGENTA GREEN BLUE CYAN WHITE
33	LOW PRIORITY ALARMS IN AREA ALARM SUMMARY		YES	NO
34	INITIAL ALARM SUMMARY SORT STATE	CHRONOLOGICAL		PRIORITY
35	AUDIBLE ALARM ANNUNCIATION SUPPRESSION TIME OUT (SECONDS)	|_|_|_|_|		default = 0
36	ALARM SUMMARY FREEZE TIME-OUT (SECONDS)	|_|_|_|_|		default = 0
37	AREA-BASED PROCESS ALARM ACKNOWLEDGE?		YES	NO
38	CONSOLE-WIDE SILENCE BUTTON? (R520 and later)		YES	NO

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Page 3 of 14)

LINE	NAME	FORM ENTRY	REMARKS
CONSOLE DATA—SYSTEM-WIDE VALUES DISPLAY—PAGE 3			
29	RED COLOR ALARM PRIORITY	Circle one: LOW HIGH EMERGENCY	Select the alarm that has the lowest priority that will be associated with the color red. If 3-color option (below) is selected, it applies only to LEDs on the Alarm Summary key.
30	PRIORITY INDICATORS ON ALARM DISPLAYS	Circle one: CHARACTERS or SYMBOLS	Characters = E, H, L. Symbols = <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> for Emerg, High, Low alarms.
31	ALARM PRIORITY COLORS	Circle one: Red, Yellow or 3 Colors (User Selectable)	Alarm Priority Colors: 2-color (configurable) or 3-color, select below.
32	EMERGENCY HIGH LOW	Circle choice for each level: Red, Yellow, Magenta, Green, Blue, Cyan, White	Selectable Alarm Priority Colors. If 3-Color Option (above) is selected, choose one color for each alarm level.
33	LOW PRIORITY ALARMS IN AREA ALARM SUMMARY	Circle one: YES or NO	Select Yes to add low Priority Alarms to the Area Alarm Summary.
34	INITIAL ALARM SUMMARY SORT STATE	Circle one: Chronological or Priority	Display alarms in reverse <u>chronological</u> order or first sort by descending alarm <u>priority</u> , then chronologically reverse within each alarm priority level.
35	AUDIBLE ALARM ANNUNCIATION SUPPRESSION TIME OUT	Enter a number from 0 to 32767	Enter the period in seconds that Audible Alarms are suppressed. WARNING: Do not configure an overly long timeout.
36	ALARM SUMMARY FREEZE TIME-OUT	Enter a number from 0 to 32767	Enter the period in seconds after which alarm scrolling automatically resumes. WARNING: Do not configure an overly long timeout.
37	AREA-BASED PROCESS ALARM ACKNOWLEDGEMENT	Circle one: YES or NO	Yes = enable Area based process alarm acknowledgement.
38	CONSOLE-WIDE SILENCE BUTTON	Circle one: YES or NO (R520 and later)	Yes = Pressing the silence button at any US in a console turns off all horns in that console. No = the SIL button turns off horns only at stations in a console in the same area as the alarm(s).

(Continued)

SW88-515
Page 4 of 14
7/96

SYSTEM-WIDE VALUES CONFIGURATION FORM
(Continued)

CONSOLE DATA RTJ PRINT LINE COLOR DISPLAY	PAGE 4
39 EMERGENCY PRIORITY: (R520 and later)	
BLACK RED YELLOW CYAN ORANGE GREEN PURPLE BROWN	
HIGH PRIORITY	
BLACK RED YELLOW CYAN ORANGE GREEN PURPLE BROWN	
LOW PRIORITY	
BLACK RED YELLOW CYAN ORANGE GREEN PURPLE BROWN	
PRINT ONLY	
BLACK RED YELLOW CYAN ORANGE GREEN PURPLE BROWN	
JOURNAL PRINT	
BLACK RED YELLOW CYAN ORANGE GREEN PURPLE BROWN	
RETURN TO NORMAL	
BLACK RED YELLOW CYAN ORANGE GREEN PURPLE BROWN	
CONSOLE DATA DISPLAY	PAGE 5

ALARM COMMAND ACCESS TABLE

40 CHANGE ALARM SUMMARY SORT STATE	OPER	SUPER	ENGR
41 CHG ALARM PRIORITY FILTER ON ALARM SUMMARIES	OPER	SUPER	ENGR
42 CHG AUDIBLE ALARM ANNUNCIATION SUPPRESSION	OPER	SUPER	ENGR
43 ALARM SUMMARY DISPLAY FREEZE	OPER	SUPER	ENGR
44 AUXILIARY UNIT CHANGE (R520 and later)	OPER	SUPER	ENGR
45 LCN CABLE SWAP INHIBIT TIME IN MINUTES (R510 and later)		|_|_|_|_| default = 0	
46 ACCESS LEVEL TO INHIBIT LCN CABLE SWAPPING (R510 and later)	OPER	SUPER	ENGR

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Page 3 of 14)

LINE	NAME	FORM ENTRY	REMARKS
CONSOLE DATA—SYSTEM-WIDE VALUES DISPLAY—PAGE 4			
39	RTJ PRINTER LINE COLOR: Emergency, High/Low Priority, Print/Journal Print and Return To Normal	Circle a choice for each RTJ alarm. : Black, Red, Yellow, Cyan, Orange, Green, Purple, or Brown (R520 and later)	The Real Time Journal printer must be a Honeywell-supported ASPI printer with a color ribbon to print colors other than black.
CONSOLE DATA—SYSTEM-WIDE VALUES DISPLAY—PAGE 5			
		Alarm Commands Access	Specify the lowest keylock access level needed to:
40	CHANGE ALARM SUM- MARY SORT STATE	Circle one: OPER SUPER ENGR	-Change Alarm Summary Sort State from chronological to priority sorting.
41	CHANGE ALARM PRI- ORITY FILTER ON ALARM SUMMARIES	Circle one: OPER SUPER ENGR	-Change Alarm Priority Filter on Area and Unit Alarm Summaries, for example to filter out all but Emergency alarms.
42	CHANGE AUDIBLE ALARM ANNUNCIATION SUPPRESSION	Circle one: OPER SUPER ENGR	-Suppress Audible Alarm Annunciation by using the AUDIBLE target on the Alarm Summary and Alarm Annunciation displays.
43	ALARM SUMMARY DISPLAY FREEZE	Circle one: OPER SUPER ENGR	-Freeze the Alarm Summary display. If = 0, no target appears on alarm displays
44	AUXILIARY UNIT CHANGE	Circle one: OPER SUPER ENGR (R520 and later)	-modify or add the \$AUXUNIT parama- ter to a given point from the Detail display or from a custom schematic.
45	LCN CABLE SWAP INHIBIT TIME, MINUTES	Enter a number from 0 to 9999 (R510 and Later)	Enter the period in MINUTES that the LCN cables will be inhibited from switching.
46	ACCESS LEVEL TO INHIBIT LCN CABLE SWAPPING	Circle one: OPER SUPER ENGR (R510 and Later)	-disable LCN Cable swapping for the period configured above

SYSTEM-WIDE VALUES CONFIGURATION FORM
(Continued)

CONSOLE DATA DISPLAY PAGE 6

PHYSICAL NODE COMMAND ACCESS TABLE

47 LOAD OPERATIONS NON US NODE (CG/NG/AM ONLY)	OPER	SUPER	ENGR
48 LOAD OPERATIONS LOCAL CONSOLE US	OPER	SUPER	ENGR
49 LOAD OPERATIONS REMOTE CONSOLE US	OPER	SUPER	ENGR
50 DUMP NODE	OPER	SUPER	ENGR
51 OVERRIDE DUMP	OPER	SUPER	ENGR
52 SHUTDOWN NODE	OPER	SUPER	ENGR
53 OVERRIDE SHUTDOWN	OPER	SUPER	ENGR
54 ENABLE/DISABLE LOAD/DUMP	OPER	SUPER	ENGR
55 CHANGE TIME OR DATE	OPER	SUPER	ENGR

CONSOLE DATA DISPLAY PAGE 7

PHYSICAL NODE COMMAND ACCESS TABLE

56 CHANGE AREA	OPER	SUPER	ENGR
57 OVERRIDE CHANGE AREA	OPER	SUPER	ENGR
58 CHANGE ALENBST	OPER	SUPER	ENGR
59 IDLE PROCESS MANAGER	OPER	SUPER	ENGR
60 DEMAND CHECKPOINT NODE	OPER	SUPER	ENGR
61 ENABLE DISABLE AUTO CHECKPOINT	OPER	SUPER	ENGR
62 SWITCH PRIMARY TO SECONDARY	OPER	SUPER	ENGR
63 OVERRIDE SWITCH PRIMARY TO SECONDARY	OPER	SUPER	ENGR
64 ENABLE DISABLE HISTORY COLLECTION	OPER	SUPER	ENGR
65 HOT/WARM/COLD/NO_PROCESS START AM	OPER	SUPER	ENGR
66 SPARE	OPER	SUPER	ENGR

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Page 4 of 14)

LINE	NAME	FORM ENTRY	REMARKS
CONSOLE DATA—SYSTEM-WIDE VALUES DISPLAY—PAGE 6			
47	LOAD OPERATIONS NON-US NODE (CG/NG/AM only)	Circle one: OPER SUPER ENGR	—load non-US nodes from any US
48	LOAD OPERATIONS LOCAL CONSOLE US	Circle one: OPER SUPER ENGR	—load a US node in the local console
49	LOAD OPERATIONS REMOTE CONSOLE US	Circle one: OPER SUPER ENGR	—load a US node in the remote console
50	DUMP NODE	Circle one: OPER SUPER ENGR	—perform a dump-memory operation on a node
51	OVERRIDE DUMP	Circle one: OPER SUPER ENGR	—override a dump-node request
52	SHUTDOWN NODE	Circle one: OPER SUPER ENGR	—shut down a node
53	OVERRIDE SHUTDOWN	Circle one: OPER SUPER ENGR	—override a node-shutdown request. Override is neces- sary to shut down a node performing a primary function such as when it is accessing configuration screens.
54	ENABLE/DISABLE LOAD/DUMP	Circle one: OPER SUPER ENGR	—enable or disable load or dump operations for any node
55	CHANGE TIME OR DATE	Circle one: OPER SUPER ENGR	—change the system time or date

(Continued)

SYSTEM-WIDE VALUES CONFIGURATION FORM
(Continued)

CONSOLE DATA DISPLAY	PAGE 6		
PHYSICAL NODE COMMAND ACCESS TABLE			
47 LOAD OPERATIONS NON US NODE (CG/NG/AM ONLY)	OPER	SUPER	ENGR
48 LOAD OPERATIONS LOCAL CONSOLE US	OPER	SUPER	ENGR
49 LOAD OPERATIONS REMOTE CONSOLE US	OPER	SUPER	ENGR
50 DUMP NODE	OPER	SUPER	ENGR
51 OVERRIDE DUMP	OPER	SUPER	ENGR
52 SHUTDOWN NODE	OPER	SUPER	ENGR
53 OVERRIDE SHUTDOWN	OPER	SUPER	ENGR
54 ENABLE/DISABLE LOAD/DUMP	OPER	SUPER	ENGR
55 CHANGE TIME OR DATE	OPER	SUPER	ENGR
CONSOLE DATA DISPLAY	PAGE 7		
PHYSICAL NODE COMMAND ACCESS TABLE			
56 CHANGE AREA	OPER	SUPER	ENGR
57 OVERRIDE CHANGE AREA	OPER	SUPER	ENGR
58 CHANGE ALENBST	OPER	SUPER	ENGR
59 IDLE PROCESS MANAGER	OPER	SUPER	ENGR
60 DEMAND CHECKPOINT NODE	OPER	SUPER	ENGR
61 ENABLE DISABLE AUTO CHECKPOINT	OPER	SUPER	ENGR
62 SWITCH PRIMARY TO SECONDARY	OPER	SUPER	ENGR
63 OVERRIDE SWITCH PRIMARY TO SECONDARY	OPER	SUPER	ENGR
64 ENABLE DISABLE HISTORY COLLECTION	OPER	SUPER	ENGR
65 HOT/WARM/COLD/NO_PROCESS START AM	OPER	SUPER	ENGR
66 SPARE	OPER	SUPER	ENGR

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Page 4 of 14 Continued)

LINE	NAME	FORM ENTRY	REMARKS
CONSOLE DATA—SYSTEM-WIDE VALUES DISPLAY—PAGE 7			
56	CHANGE AREA	Circle one: OPER SUPER ENGR	Defines lowest keylock access level needed to: —perform an area database-change operation on any US, or in local console
57	OVERRIDE CHANGE AREA	Circle one: OPER SUPER ENGR	—override an area database-change request
58	CHANGE ALENBST	Circle one: OPER SUPER ENGR	—enable/inhibit point Alarm Enable Status
59	IDLE PROCESS MANAGER	Circle one: OPER SUPER ENGR	—idle PM/APM/HPM from UCN Status display or idle <u>all</u> modules on PM/ APM/HPM Detail Status displays. See also Process Network Fast Commands (display page 8).
60	DEMAND CHECKPOINT NODE	Circle one: OPER SUPER ENGR	—request an immediate check-pointing of control data from HG, AM, etc.
61	ENABLE/DISABLE AUTO CHECKPOINT	Circle one: OPER SUPER ENGR	—enable or disable automatic checkpointing at an HG, AM, etc.
62	SWITCH PRIMARY TO SECONDARY	Circle one: OPER SUPER ENGR	—not implemented
63	OVERRIDE SWITCH PRIMARY TO SECONDARY	Circle one: OPER SUPER ENGR	—not implemented
64	ENABLE/DISABLE HISTORY COLLECTION	Circle one: OPER SUPER ENGR	—enable or disable history collection at an HM
65	HOT/WARM/COLD/ NO PROCESS START AM	Circle one: OPER SUPER ENGR	—restart an AM
66	Reserved For Future Use		

SW88-515
Page 6 of 14
7/96

SYSTEM-WIDE VALUES CONFIGURATION FORM
(Continued)

CONSOLE DATA DISPLAY

PAGE 8

PHYSICAL NODE COMMAND ACCESS TABLE

70	PRINTER ASSIGNMENT CHANGE	OPER	SUPER	ENGR
71	CLEAR MAINTENANCE	OPER	SUPER	ENGR
72	LOAD TEST	OPER	SUPER	ENGR
73	LOAD INIT	OPER	SUPER	ENGR
74	NO POINT PROCESS LOAD	OPER	SUPER	ENGR
75	COMMAND LOAD OF PROCESS GATEWAY NODE (HG AND NIM)	OPER	SUPER	ENGR
76	COMMAND RESTORE OF PROCESS NETWORK DEVICES	OPER	SUPER	ENGR
77	COMMAND LOAD OF PROCESS NETWORK DEVICES	OPER	SUPER	ENGR
78	COMMAND CHECKPT OF PROCESS NETWORK DEVICES	OPER	SUPER	ENGR
79	GROUP DETAIL DISPLAY (R520 and later) PARAMETER CHANGES/CONTROL ACTIONS	OPER	SUPER	ENGR

CONSOLE DATA DISPLAY

PAGE 9

MISCELLANEOUS COMMANDS ACCESS

80	SEQUENCE COMMAND LOAD PROGRAM	OPER	SUPER	ENGR
81	SEQUENCE COMMAND SAVE PROGRAM	OPER	SUPER	ENGR
82	BOX VARIABLE CHANGE ACCESS	OPER	SUPER	ENGR
83	SYSTEM EVENT ACKNOWLEDGE ACCESS	OPER	SUPER	ENGR
84	FLOPPY INIT ACCESS	OPER	SUPER	ENGR
85	ACCESS LEVEL TO CHANGE VIEW ACCESS LEVEL	OPER	SUPER	ENGR
86	ACCESS LEVEL TO CHANGE UNIT ASSIGNMENT	OPER	SUPER	ENGR
87	ACCESS LEVEL TO CHANGE UNIT DEASSIGNMENT	OPER	SUPER	ENGR
88	ACCESS LEVEL TO CHANGE UNIT ALARM ENABLE	OPER	SUPER	ENGR
89	ACCESS LEVEL TO CHANGE UNIT ALARM DISABLE	OPER	SUPER	ENGR
90	ACCESS LEVEL TO CHANGE UNIT ALARM INHIBIT	OPER	SUPER	ENGR
91	PROCESS NETWORK FAST COMMANDS	OPER	SUPER	ENGR

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Page 5 of 14)

LINE	NAME	FORM ENTRY	REMARKS
CONSOLE DATA—SYSTEM-WIDE VALUES DISPLAY—PAGE 8			
70	PRINTER ASSIGNMENT CHANGE	Circle one: OPER SUPER ENGR	Defines lowest keylock access level needed to: —change the printer assignment at a Universal Station
71	CLEAR MAINTENANCE	Circle one: OPER SUPER ENGR	—clear the maintenance display at a Node Status or Console Status display
72	LOAD TEST	Circle one: OPER SUPER ENGR	—load a test personality into a module
73	LOAD INIT	Circle one: OPER SUPER ENGR	—load an Initialization personality into an HM
74	NO POINT PROCESS LOAD	Circle one: OPER SUPER ENGR	—AM only
75	COMMAND LOAD OF PROCESS GATEWAY NODE (HG and NIM)	Circle one: OPER SUPER ENGR	—request loading of the process database into HGs/NIMs, followed by restart
76	COMMAND RESTORE OF PROCESS NETWORK DEVICES	Circle one: OPER SUPER ENGR	—request restore of the Data Hiway Boxes/Process Manager IOMs
77	COMMAND LOAD OF PROCESS NETWORK DEVICES	Circle one: OPER SUPER ENGR	—request loading of the Data Hiway Boxes/Process Mgr IOPs followed by restart
78	COMMAND CHECKPT OF PROCESS NETWORK DEVICES	Circle one: OPER SUPER ENGR	—request checkpoint of the Data Hiway Boxes and or Process Manager IOMs
79	GROUP/DETAIL DISPLAY—PARAMETER CHANGES/CONTROL ACTIONS	Circle one: OPER SUPER ENGR (R520 and later)	—permit changes to standard changeable parameters and control actions through the Group or Point Detail displays. Takes precedence over other display keylevels.

(Continued)

SW88-515
Page 6 of 14
7/96

SYSTEM-WIDE VALUES CONFIGURATION FORM
(Continued)

CONSOLE DATA DISPLAY

PAGE 8

PHYSICAL NODE COMMAND ACCESS TABLE

70	PRINTER ASSIGNMENT CHANGE	OPER	SUPER	ENGR
71	CLEAR MAINTENANCE	OPER	SUPER	ENGR
72	LOAD TEST	OPER	SUPER	ENGR
73	LOAD INIT	OPER	SUPER	ENGR
74	NO POINT PROCESS LOAD	OPER	SUPER	ENGR
75	COMMAND LOAD OF PROCESS GATEWAY NODE (HG AND NIM)	OPER	SUPER	ENGR
76	COMMAND RESTORE OF PROCESS NETWORK DEVICES	OPER	SUPER	ENGR
77	COMMAND LOAD OF PROCESS NETWORK DEVICES	OPER	SUPER	ENGR
78	COMMAND CHECKPT OF PROCESS NETWORK DEVICES	OPER	SUPER	ENGR
79	GROUP DETAIL DISPLAY (R520 and later) PARAMETER CHANGES/CONTROL ACTIONS	OPER	SUPER	ENGR

CONSOLE DATA DISPLAY

PAGE 9

MISCELLANEOUS COMMANDS ACCESS

80	SEQUENCE COMMAND LOAD PROGRAM	OPER	SUPER	ENGR
81	SEQUENCE COMMAND SAVE PROGRAM	OPER	SUPER	ENGR
82	BOX VARIABLE CHANGE ACCESS	OPER	SUPER	ENGR
83	SYSTEM EVENT ACKNOWLEDGE ACCESS	OPER	SUPER	ENGR
84	FLOPPY INIT ACCESS	OPER	SUPER	ENGR
85	ACCESS LEVEL TO CHANGE VIEW ACCESS LEVEL	OPER	SUPER	ENGR
86	ACCESS LEVEL TO CHANGE UNIT ASSIGNMENT	OPER	SUPER	ENGR
87	ACCESS LEVEL TO CHANGE UNIT DEASSIGNMENT	OPER	SUPER	ENGR
88	ACCESS LEVEL TO CHANGE UNIT ALARM ENABLE	OPER	SUPER	ENGR
89	ACCESS LEVEL TO CHANGE UNIT ALARM DISABLE	OPER	SUPER	ENGR
90	ACCESS LEVEL TO CHANGE UNIT ALARM INHIBIT	OPER	SUPER	ENGR
91	PROCESS NETWORK FAST COMMANDS	OPER	SUPER	ENGR

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Page 5 of 14 Continued)

LINE	NAME	FORM ENTRY	REMARKS
CONSOLE DATA—SYSTEM-WIDE VALUES DISPLAY—PAGE 9			
80	SEQUENCE COMMAND LOAD PROGRAM	Circle one: OPER SUPER ENGR	Defines lowest keylock access level needed to: –load sequence programs.
81	SEQUENCE COMMAND SAVE PROGRAM	Circle one: OPER SUPER ENGR	–save sequence programs.
82	BOX VARIABLE CHANGE ACCESS	Circle one: OPER SUPER ENGR	–make changes at the Box Variable display.
83	SYSTEM EVENT ACKNOWLEDGE ACCESS	Circle one: OPER SUPER ENGR	–acknowledge system events at a Universal Station
84	FLOPPY INIT ACCESS	Circle one: OPER SUPER ENGR	–use the US floppy-disk Initialize display functions
85	ACCESS LEVEL TO CHANGE VIEW ACCESS LEVEL	Circle one OPER SUPER ENGR	–access level required to change access level associated with OPERATOR keylock position.
86	ACCESS LEVEL TO CHANGE UNIT ASSIGNMENT	Circle one: OPER SUPER ENGR	–add control capability for points in this unit to US in this console and area.
87	ACCESS LEVEL TO CHANGE UNIT DEASSIGNMENT	Circle one: OPER SUPER ENGR	–remove control and alarm capability for points in this unit (see above).
88	ACCESS LEVEL TO CHANGE UNIT ALARM ENABLE	Circle one: OPER SUPER ENGR	–add alarm annunciation for points in this unit to all US (this area). No effect on HM or RT Journal.
89	ACCESS LEVEL TO CHANGE UNIT ALARM DISABLE	Circle one: OPER SUPER ENGR	–remove alarm annunciation for points in this unit to all US (see above).
90	ACCESS LEVEL TO CHANGE UNIT ALARM INHIBIT	Circle one: OPER SUPER ENGR	–remove all alarm annunciation and journaling for points in this unit system-wide. Stops HM & RT Jnl alarms, US annuc.
91	PROCESS NETWORK FAST COMMANDS	Circle one: OPER SUPER ENGR	–use the Fast Commands (see below).
Fast Hiway cmds: Swap Hiway, Init Addr. Fast Box cmds: Start, Idle, Enable Proc, ACK, Config Clear, Start RC, Start/Disable/Enable/Test/Swback/Save Pri. Fast commands apply to Idle of <u>single</u> module on PM/APM/HPM Detail Status display (see also, IDLE PM on display page 7).			

SYSTEM-WIDE VALUES CONFIGURATION FORM
(Continued)

HONEYWELL RESERVED SYSTEM VALUES DISPLAY

PAGES 10/11

WARNING: DO NOT CHANGE THIS PAGE UNLESS REQUESTED TO DO SO BY HONEYWELL

	BOARD ID	MINIMUM BOARD REV	FIRMWARE TYPE	FIRMWARE VERS.	MINIMUM FIRMWARE REV
110	HMPU	A	1	0	A
111	HPK2-2MW	A	1	0	A
	HPK2-3MW	A	1	0	A
112	K2LCN-2MW	B	1	0	A
	K2LCN-3MW	B	1	0	A
	K2LCN-4MW	B	1	0	A
	K2LCN-6MW	B	1	0	A
	K2LCN-8MW	B	1	0	A
	K4LCN	A	1	0	A
	K6LCN	A	1	0	A
113	KERNEL	A	1	0	A
114	MEM 256KW	D			
	MEM 256KW	C			
	MEM 512KW	C			
	MEM 768KW	C			
	MEM 1024KW	C			
	PMEM 2048KW	A			
	EMEM 1024KW	E			
	QMEM 2048KW	A			
	QMEM 3072KW	A			
	QMEM 4096KW	A			
125	SIO	B			
126	AMR	E			
	EAMR	A			
127	APDL	A			

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Pages 6 & 7 of 14)

LINE	NAME	FORM ENTRY	REMARKS
RESERVED SYSTEM VALUES—SYSTEM -WIDE VALUES DISPLAY—PAGES 11- 12			
		None	
110	HMPU	If instructed by Honeywell, board and/or firmware revision levels may need to be updated.	Required values are supplied with each software release.
111	HPK2		
112	K2LCN K4LCN K6LCN		
113	KERNEL		
114	MEM PMEM EMEM QMEM	The form shown is typical and may not exactly match the screen display for the current software release.	<p style="text-align: center;">CAUTION</p> <p>After the system has been configured, changing the revision records in System-Wide Values may require shutting down/starting up one or more nodes on the LCN.</p> <p>Do not make these changes unless requested by Honeywell</p>
125	SIO		
126	AMR EAMR		
127	APDL		
128	WSI WSI2		
130	VDG		
131	PIC		
132	PDG		
133	EPDG TPDG		
135	LCNI LCNI-2 LCNI-4		
138	CLMI-T		
139	CLI		
140	CNI		
141	PNI		
142	EPNI		
143	NGI		
145	DHI		
146	PLCI		
147	AMGI		
148	WDC		
149	SPCW		
150	FDC		
151	SPCF		
152	SCSI_EPDG		
154	SCSI_TPDG		

SW88-515
Page 8 of 14
7/96

SYSTEM-WIDE VALUES CONFIGURATION FORM
(Continued)

HONEYWELL RESERVED SYSTEM VALUES DISPLAY

PAGES 11/12

WARNING: DO NOT CHANGE THIS PAGE UNLESS REQUESTED TO DO SO BY HONEYWELL

	BOARD ID	MINIMUM BOARD REV	FIRMWARE TYPE	FIRMWARE VERS.	MINIMUM FIRMWARE REV
128	WSI	A			
	WSI2	A			
130	VDG	D			
131	PIC	H	1	1	H
132	PDG	B	1	1	B
133	EPDG	D	1	1	C
	TPDG	A	1	1	A
135	LCNI	F	1	0	C
	LCNI-2	A	1	0	A
	LCNI-4	A	1	0	A
138	CLMI-T	A	1	5	A
139	CLI	E	1	1	D
140	CNI	C	1	1	C
141	PNI	A	1	0	E
142	EPNI	A	1	0	B
143	NGI	A	1	0	A
145	DHI	E	1	0	J
146	PLCI	B	1	0	J
147	AMGI	A	2	0	A
148	WDC	L	1	0	G
149	SPCW	B	1	0	B
150	FDC	G	1	0	J
151	SPCF	B	1	0	B
152	SCSI_EPDG	A	1	1	A
154	SCSI_TPDG	A	1	1	A

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Software Options—Purchased software options are entered through the System Wide Values display, but no configuration form is necessary because the options are read directly from a floppy diskette or cartridge disk supplied by Honeywell. Note that Software Options are not the same as the Custom Software Load Modules mentioned in LCN Node Configuration.

For additional information on Software Options, refer to the *Engineer's Reference Manual*.

SYSTEM-WIDE VALUES CONFIGURATION FORM

 NETWORK GATEWAY (NG) LOCAL SYSTEM ID

160 LOCAL SYSTEM NUMBER | | | | default = 0

161 SYSTEM TITLE | | | |

162 SYSTEM DESCRIPTION

| | | | | | | | | | | | | | | |

163 PIN ADDRESSING FORM: **LOCAL** GLOBAL

164 GLOBAL VENDOR NUMBER: | | | | | | | |

 References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
 Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Page 9 of 14)

LINE	NAME	FORM ENTRY	REMARKS
NETWORK GATEWAY—LOCAL SYSTEM ID DISPLAY			
160	LOCAL SYSTEM NUMBER	Enter a number from 1 to 64.	Uniquely identifies the (local) LCN among the systems interconnected through the Plant Information Network (PIN). The local LCN is the LCN connected to the US you are using.
161	SYSTEM TITLE	Enter two characters. The first must be an alpha.	Two-character identifier for the local LCN number.
162	SYSTEM DESCRIPTION	Enter up to 20 characters.	Descriptor for the local LCN.
163	PIN ADDRESSING FORM	Circle one: LOCAL GLOBAL	Select Local or Global. If you select Global, enter the global vendor number below.
164	GLOBAL VENDOR NUMBER	Enter up to 7 characters.	If you selected Global above, enter the first half of the Honeywell provided IEEE vendor number.

SW88-515
Page 10 of 14
7/96

SYSTEM-WIDE VALUES CONFIGURATION FORM

NETWORK GATEWAY (NG) REMOTE SYSTEMS

170

R E M O T E S Y S T E M													CABLE FOR OUTPUT	
#	TITLE				DESCRIPTOR						A	B		
|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	A	B

R E M O T E S E R V E R S														
R E S P													A L T .	
RESP NG	ALT. NG	LOCAL	GLOBAL	LOCAL	GLOBAL	LOCAL	GLOBAL	LOCAL	GLOBAL	LOCAL	GLOBAL	LOCAL	GLOBAL	
_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	

R E M O T E S Y S T E M													CABLE FOR OUTPUT	
#	TITLE				DESCRIPTOR						A	B		
|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	A	B

R E M O T E S E R V E R S														
R E S P													A L T .	
RESP NG	ALT. NG	LOCAL	GLOBAL	LOCAL	GLOBAL	LOCAL	GLOBAL	LOCAL	GLOBAL	LOCAL	GLOBAL	LOCAL	GLOBAL	
_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	

R E M O T E S Y S T E M													CABLE FOR OUTPUT	
#	TITLE				DESCRIPTOR						A	B		
|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	|_|_|	A	B

R E M O T E S E R V E R S														
R E S P													A L T .	
RESP NG	ALT. NG	LOCAL	GLOBAL	LOCAL	GLOBAL	LOCAL	GLOBAL	LOCAL	GLOBAL	LOCAL	GLOBAL	LOCAL	GLOBAL	
_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	_ _	

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Page 9 of 14)

LINE	NAME	FORM ENTRY	REMARKS
NETWORK GATEWAY—REMOTE SYSTEM ID DISPLAY			
Note —the system allows interconnection of up to 64 LCNs. The form provides space for three sets of configuration information. Make as many copies of the form as you need to configure the system.			
170	#	Enter a number from 1 to 64.	Enter the Remote System's Local System number.
	TITLE	Enter two characters. The first must be an alpha.	Enter the Remote System's Local 2-character alphanumeric title.
	DESCRIPTOR	Enter up to 20 characters.	Enter the Remote System's 20-character descriptor.
	CABLE FOR OUTPUT	Circle one: A B	Select the primary cable for sending messages to the remote system.
	RESP NG	Enter a number from 1 to 64.	Enter the LCN Node number for the NG that is responsible for routing messages to the remote system. The NG must be configured on this network.
	ALT NG	Enter a number from 1 to 64.	Enter the LCN Node number for the NG that is the alternate for routing messages to the remote system (when the responsible NG is unavailable).
	RESP LOCAL	Enter a number from 1 to 64.	Enter the PIN Local Address of the remote system's responsible NG.
	RESP GLOBAL	Enter a number— (second half of the Honeywell supplied IEEE global address for the remote node).	Enter the global vendor offset of the Remote System's responsible NG.
	ALT LOCAL	Enter a number from 1 to 64.	Enter the PIN Local Address of the Remote System's Alternate NG (optional info used to validate the source of remote messages).
	ALT GLOBAL	Enter a number— (second half of the Honeywell supplied IEEE global address for the remote node).	Enter the global vendor offset of the remote system's Alternate NG (optional info used to validate the source of remote messages).

SYSTEM-WIDE VALUES CONFIGURATION FORM

NETWORK GATEWAY (NG) SECURITY DATABASE DISPLAY--Page 1 of 2

190 Remote System Number or ALL SYSTEMS

SYSTEM VOLUMES/DIRECTORIES

USER VOLUMES/DIRECTORIES

191 DEFAULTS:

NO ACCESS: **READ ONL** READ/WRITE NO ACCESS: READ ONL: **READ/WRITE**

192 EXCEPTIONS:

VOL	ACCESS	VOL	ACCESS
<input type="text"/>	NO ACCESS: READ ONL READ/WRITE	<input type="text"/>	NO ACCESS: READ ONL: READ/WRITE
<input type="text"/>	NO ACCESS: READ ONL READ/WRITE	<input type="text"/>	NO ACCESS: READ ONL: READ/WRITE
<input type="text"/>	NO ACCESS: READ ONL READ/WRITE	<input type="text"/>	NO ACCESS: READ ONL: READ/WRITE
<input type="text"/>	NO ACCESS: READ ONL READ/WRITE	<input type="text"/>	NO ACCESS: READ ONL: READ/WRITE
<input type="text"/>	NO ACCESS: READ ONL READ/WRITE	<input type="text"/>	NO ACCESS: READ ONL: READ/WRITE
<input type="text"/>	NO ACCESS: READ ONL READ/WRITE	<input type="text"/>	NO ACCESS: READ ONL: READ/WRITE
<input type="text"/>	NO ACCESS: READ ONL READ/WRITE	<input type="text"/>	NO ACCESS: READ ONL: READ/WRITE
<input type="text"/>	NO ACCESS: READ ONL READ/WRITE	<input type="text"/>	NO ACCESS: READ ONL: READ/WRITE
<input type="text"/>	NO ACCESS: READ ONL READ/WRITE	<input type="text"/>	NO ACCESS: READ ONL: READ/WRITE
<input type="text"/>	NO ACCESS: READ ONL READ/WRITE	<input type="text"/>	NO ACCESS: READ ONL: READ/WRITE

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Page 11 of 14)

LINE	NAME	FORM ENTRY	REMARKS
NETWORK GATEWAY—SECURITY DATABASE DISPLAY—PAGE 1			
DESIRED DEFAULT AUTHORIZATIONS			
190	REMOTE SYSTEM NUMBER or ALL	Enter a number from 1 to 64 or circle ALL	Identifies the Remote System number for which access rights are being specified. If the access restrictions apply to all systems, circle ALL. Then choose access rights and exceptions as described below.
191	DEFAULTS System/User Volumes and Directories	Circle one (each column)— No Access Read Only or Read Write	Designates default access to all System /User Volumes/Directories in the specified system(s).
	EXCEPTIONS		
192	VOL	Enter up to four characters	Specifies the Volume or directory for which the following exceptions apply.
	ACCESS	Circle one— No Access Read Only or Read Write	Specifies access allowed to the designated Volume or Directory.
	Note that the above exceptions can be specified for System Volumes/Directories (left column) and/or for User Volumes/Direc- tories (right column).		

SW88-515
Page 12 of 14
7/96

SYSTEM-WIDE VALUES CONFIGURATION FORM

NETWORK GATEWAY (NG) SECURITY DATABASE DISPLAY-Page 2 of 2

200 Remote System Number or ALL

PARAMETER ACCESS

201 DEFAULTS: NO ACCESS **READ ONLY** READ/WRITE

EXCEPTIONS:

203	NODE TYPE				204	HIWAY/UNIT	205	ACCESS		
AM	CM	HG	NM		<input type="text"/>	NO ACCESS	READ ONLY	READ/WRITE		
AM	CM	HG	NM		<input type="text"/>	NO ACCESS	READ ONLY	READ/WRITE		
AM	CM	HG	NM		<input type="text"/>	NO ACCESS	READ ONLY	READ/WRITE		
AM	CM	HG	NM		<input type="text"/>	NO ACCESS	READ ONLY	READ/WRITE		
AM	CM	HG	NM		<input type="text"/>	NO ACCESS	READ ONLY	READ/WRITE		
AM	CM	HG	NM		<input type="text"/>	NO ACCESS	READ ONLY	READ/WRITE		
AM	CM	HG	NM		<input type="text"/>	NO ACCESS	READ ONLY	READ/WRITE		
AM	CM	HG	NM		<input type="text"/>	NO ACCESS	READ ONLY	READ/WRITE		
AM	CM	HG	NM		<input type="text"/>	NO ACCESS	READ ONLY	READ/WRITE		
AM	CM	HG	NM		<input type="text"/>	NO ACCESS	READ ONLY	READ/WRITE		

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Page 12 of 14)

LINE	NAME	FORM ENTRY	REMARKS
NETWORK GATEWAY—SECURITY DATABASE DISPLAY—PAGE 2 OF 2			
SECURITY DATABASE EXCEPTIONS			
200	REMOTE SYSTEM NUMBER or ALL	Enter a number from 1 to 64 or circle ALL	Identifies the Remote System number for which access rights are being specified. If the access restrictions apply to all systems, circle ALL. If ALL was selected on the previous form, select ALL on this form too. Then choose access rights and exceptions as described below.
201	DEFAULTS	Circle one— No Access Read Only or Read Write	Designates default parameter access for remote Systems.
	EXCEPTIONS		
203	NODE TYPE	Circle one— AM CM HG NM for each Hiway/Unit where you want to restrict access.	Identifies the Node Type for which an exception is authorized.
204	HIWAY/UNIT	Enter up to two characters for the Hiway Number or Unit <u>ID</u> .	Designates the Hiway/Unit on which the Node type (above) is configured.
205	ACCESS	Circle one of the following: NO ACCESS READ ONLY READ/WRITE	Designates access to the specified Node and Hiway/Unit (above).

SYSTEM-WIDE VALUES CONFIGURATION FORM

NETWORK GATEWAY (NG) MODEM DEFINITION

WARNING: DO NOT CHANGE VALUES ON THIS PAGE UNLESS REQUESTED TO DO SO BY HONEYWELL

230	HIGH PRIORITY TARGET HOLD TIME	128
231	PRIORITY 1 TARGET ROTATION TIME	8190
232	PRIORITY 2 TARGET ROTATION TIME	6800
233	PRIORITY 3 TARGET ROTATION TIME	5000
234	TARGET ROTATION TIME RING MAINT.	3500
235	RING MAINT. INITIAL VALUE	7500
236	MAX. INTER-SOLICIT COUNT	250
237	SLOT TIME	625
238	MAX. RETRY	3
239	NOISE THRESHOLD	3
240	FCS THRESHOLD	3
241	RM THRESHOLD	3
242	FRAGMENT THRESHOLD	3
243	PREAMBLE AFTER SILENCE	5
244	PREAMBLE BETWEEN FRAMES	20
245	MODEM FREQUENCY	2
246	ACCEPT ALL NODES	1
247	FULL TOKEN STATISTICS	0
248	TOKEN ROTATION THRESHOLD	9999
249	TOKEN PASS/FAIL THRESHOLD	5
250	STATISTICS RESET PERIOD	0
251	MODEM CONTROL REGISTER	0
252	MULTICAST MASK (LOW)	768
253	MULTICAST MASK (MED)	0
254	MULTICAST MASK (HIGH)	0

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Page 13 of 14)

LINE	NAME	REMARKS
NETWORK GATEWAY MODEM DISPLAY —RESERVED VALUES		
Warning —the following data is provided for reference. Do not change values unless instructed by Honeywell. These values are typical and may change with subsequent software/hardware changes.		
230	High Priority Target Hold Time	Maximum time frames from highest priority queue may be transmitted.
231	Priority 1 Target Rotation Time	Length of time that frames from priority queue 1 may be transmitted.
232	Priority 2 Target Rotation Time	Length of time that frames from priority queue 2 may be transmitted.
233	Priority 3 Target Rotation Time	Length of that time frames from priority queue 3 may be transmitted.
234	Target Rotation Time Ring Maint.	Maximum timer value for ring maintenance (octets)
235	Ring Maint. Initial Value	Initial Value for Ring maintenance timer.
236	Max. Inter-Solicit Count	Number of token passes before a node invites other nodes into the token ring (octets).
237	Slot Time	Maximum delay to get an immediate response from a node (includes cable delay).
238	Max. Re-try	Maximum number of times that the TBC tries to transmit a frame (range 0-7) .
239	Noise Threshold	Maximum delay to get an immediate response from a node (includes cable delay).
240	FCS Threshold	Maximum number of allowable frame checksum sequence error counts within 300 msec.
241	RM Threshold	Maximum number of allowable remodulation error counts within 300 msec.
242	Fragment Threshold	Maximum number of allowable frame fragment error counts within 300 msec.
243	Preamble After Silence	Number of preamble octets to be transmitted before a frame after silence.
244	Preamble Between Frames	Number of preamble octets to be transmitted between frames (range 3-32).
245	Modem Frequency	Receive/Transmit frequency pairs for the Modem range 0-4.

SYSTEM-WIDE VALUES CONFIGURATION FORM

NETWORK GATEWAY (NG) MODEM DEFINITION

WARNING: DO NOT CHANGE VALUES ON THIS PAGE UNLESS REQUESTED TO DO SO BY HONEYWELL

230	HIGH PRIORITY TARGET HOLD TIME	128
231	PRIORITY 1 TARGET ROTATION TIME	8190
232	PRIORITY 2 TARGET ROTATION TIME	6800
233	PRIORITY 3 TARGET ROTATION TIME	5000
234	TARGET ROTATION TIME RING MAINT.	3500
235	RING MAINT. INITIAL VALUE	7500
236	MAX. INTER-SOLICIT COUNT	250
237	SLOT TIME	625
238	MAX. RETRY	3
239	NOISE THRESHOLD	3
240	FCS THRESHOLD	3
241	RM THRESHOLD	3
242	FRAGMENT THRESHOLD	3
243	PREAMBLE AFTER SILENCE	5
244	PREAMBLE BETWEEN FRAMES	20
245	MODEM FREQUENCY	2
246	ACCEPT ALL NODES	1
247	FULL TOKEN STATISTICS	0
248	TOKEN ROTATION THRESHOLD	9999
249	TOKEN PASS/FAIL THRESHOLD	5
250	STATISTICS RESET PERIOD	0
251	MODEM CONTROL REGISTER	0
252	MULTICAST MASK (LOW)	768
253	MULTICAST MASK (MED)	0
254	MULTICAST MASK (HIGH)	0

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Page 13 of 14)

LINE	NAME	REMARKS
NETWORK GATEWAY MODEM DISPLAY —RESERVED VALUES		
Note —the following data is provided for reference. Do not change values unless instructed by Honeywell. These values are typical and may change with subsequent software releases.		
246	Accept All Nodes	0 =Only accept message from configured PIN address, or 1 = accept messages from any PIN address.
247	Full Token Statistics	0 = limited network statistics, If no token, pass counts or 1 = full statistics.
248	Token Rotation Threshold	Maximum time for a full token rotation on the network.
249	Token Pass/Fail Threshold	Maximum number of token pass failures within 300 msec (range = 0-100)
250	Statistics Reset Period	Maximum time for a full token rotation of the network.
251	Modem Control Register	Vendor-specific Modem Control Register value.
252	Multicast Mask (Low)	Value of low order bits (0-15) of the 48-bit Multicast Mask.
253	Multicast Mask (Med)	Value of medium order bits (16-31) of the 48-bit Multicast Mask.
254	Multicast Mask (High)	Value of high order bits (32-48) of the 48-bit Multicast Mask.

Table 3-13 — Instructions for System-Wide Values Configuration Form (Page 14 of 14)

LINE	NAME		REMARKS
NG ERROR MESSAGE THROTTLE			
300	NUMBER OF ERROR MESSAGES ALLOWED PER 4 HOUR INTERVAL	Enter a number from 0 to 32767 (R520 and later)	Noise on external networks may generate false error messages.
TAG NAMES OPTIONS			
320	TAG NAME SIZE	Circle one: SHORT LONG	Select SHORT for 8-character tag names; LONG for 16 character tag names.
322	FORMATTING ON LONG TAG NAME	Circle one: YES NO	Select YES to apply formatting to tag names. Refer to the Section 3 in the <i>Data Entity Builder</i> manual SW11-511 for information.
AM MULTIPLE PRIMMOD ALARMING OPTIONS			
340	AM MULTIPLE PRIMMOD ALARMING	Circle one: Disabled or Enabled Inclusive Mode or Enabled Exclusive Mode (R520 and later)	Disabled = alarms reflected only in Primmod parameter alarm group. Enabled Exclusive Mode = Primmod and \$MPROD alarms are mutually exclusive. Enabled Inclusive = alarms go to both Primmod and \$MPROD alarm groups.

HM VOLUME CONFIGURATION FORM

VOLUME CONFIGURATION MENU DISPLAY

1 NODE PAIR NUMBER SELECT VOLUME(S) FOR THIS HM

2 NUMBER OF WINCHESTER DISKS PROGRAM IMAGE
default = 1

3 DISK TYPE/SIZE AREA
default = 1

4 HM INIT PERSONALITY YES NO CHECKPOINT

5 SYSTEM VOLUME YES NO CONTINUOUS HISTORY

6 GDF FILES INCLUDED YES NO JOURNALS

7 FILE MANAGER DESCRIPTORS? YES NO CL STORAGE

8 AREA SOE JOURNAL SIZE USER FILE STORAGE
default = 0

9 BURST BUFFER SIZE FOR PROCESS/SYSTEM JOURNALS
default = 1500

10 SYSTEM UNIT JOURNALS? YES NO

10a STATUS CHANGE ERROR MAINT

default = 0 0 0

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

3.14 HM VOLUME CONFIGURATION FORM SW88-517

Table 3-14 contains instructions for Configuration Form *SW88-517*.

Table 3-14 — Instructions for HM Volume Configuration Form (Page 1 of 9)

LINE	NAME	FORM ENTRY	REMARKS
VOLUME CONFIGURATION MENU DISPLAY			
1	NODE PAIR NUMBER	Enter a number from 1 to 20.	
2	NUMBER OF WINCHESTER DISKS	Enter 1 or 2.	Enter the number of Winchester disk drives in this HM.
3	DISK TYPE/SIZE	Enter 3, 4, 5, or 6 or Enter formatted size in KB if SCSI compatible disk	3 = Wren 3 (136900 Kb/disk). SCSI, type; formatted sizes: 4 = 215040 Kb (210 MB) 5 = 454130 Kb (445 MB) 6 = 896046 Kb (875 MB)
4	HM INIT PERSONALITY	Circle one: YES NO	Select YES to configure the HM Off-Line Personality on the local volume.
5	SYSTEM VOLUME	Circle one: YES NO	Assigns the System Files to this HM.
6	GDF FILES INCLUDED	Circle one: YES NO	Circle YES to allocate storage space for GDF files on this HM
7	FILE MANAGER DESCRIPTORS	Circle one: YES NO	Select YES if you want files in the system volume to have File Descriptors (requires 4 Kb + 64 bytes/file).
8	AREA SOE JOURNAL SIZE	Enter up to 4 numeric digits. Default =0 (no journal).	No. of events can range from 200 to 7500. Size should \geq twice expected no. of events. <u>Important - Also see Journals, Process Unit Journal Configuration</u> (lines 80/81).
9	BURST BUFFER SIZE	Enter up to 4 numeric digits. Default =400.	The size of the burst buffer (number of events) can range from 400 to 7500.
10	SYSTEM UNIT JOURNALS?	Circle one: YES NO	Circle YES if this HM is to include System Journaling. Then fill in 10a, 10b, and 10c.
a	STATUS CHANGE	Enter up to 4 numeric digits.	The number of events can range from 200 to 9999.
	ERROR	Enter up to 4 numeric digits.	The number of events can range from 200 to 9999.
	MAINT	Enter up to 4 numeric digits.	The number of events can range from 200 to 9999.
NOTE			
Refer to the <i>Engineer's Reference Manual</i> for more information on volume size.			

SW88-517
Page 2 of 9
7/96

HM VOLUME CONFIGURATION FORM
(Continued)

PROGRAM IMAGE VOLUME CONFIGURATION - SELECT NODE DISPLAY PAGE 1

30 NODE PAIR NUMBER |__|__|

31 SELECT ALL PERSONALITIES TO RESIDE ON THIS HM:
(QLT AND OPT PERSONALITIES ARE INCLUDED IF ANY PERSONALITY IS CONFIGURED)

CM II	HG II	AM II	USOPR II	USUNP II	NIM II	NG II
CM IV	HG IV	AM IV	USOPR IV	USUNP IV	NIM IV	NG IV

33 HIST MOD DUMP VOL DUMP VOLUME SIZE (KB) |__|__|__|__|__|__|
default = 36000

AREA DATA VOLUME CONFIGURATION DISPLAY PAGE 1

40 NODE PAIR NUMBER |__|__| 41 FILE MANAGER DESCRIPTORS? YES NO

42

AREA NAME	VOLUME SIZE (KB)	NUMBER FILES
_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _
_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _
_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _
_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _
_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _
_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _
_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _
_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _
_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _
_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _ _ _ _ _ _ _

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-14 — Instructions for HM Volume Configuration Form (Page 2 of 9)

LINE	NAME	FORM ENTRY	REMARKS
PROGRAM IMAGE VOLUME CONFIGURATION SELECT NODE TYPES DISPLAY			
30	NODE PAIR NUMBER	Enter a number from 1 to 20.	Same as page 1, line 1
31	SELECT ALL NODE TYPES THAT APPLY	Circle items that apply CM II, CM IV HG II, HG IV AM II, AM IV USOPR II, USOPR IV USUNP II USUNP IV NIM II, NIM IV NG II, NG IV	Allocates space on this HM for the selected program images. Modules that contain an HMPU, HPK2, or K2LCN board are version II (Check card slots 1 and 7). For modules that contain a K4LCN board, select version IV.
33	HIST MOD DUMP VOL	Circle if HM Dump Volume is to be configured on this History Module.	
	DUMP VOLUME SIZE (KB)	Enter 0 for no dump volume. Enter a number from 7000 to maximum disk size if you want a dump volume for any node type.	Dump-volume size (in Kb) can range from 0 to maximum disk size. Suggested number is equal to the memory size for the module with the largest memory.
AREA DATA VOLUME CONFIGURATION DISPLAY			
40	NODE PAIR NUMBER	Enter a number from 1 to 20.	Same as page 1, line 1.
41	FILE MANAGER DESCRIPTORS	Circle one: YES NO	Circle YES if you want files in this volume to have File Descriptors (requires 4 Kb/volume plus 64 bytes/file).
42	AREA NAME	For each of up to 10 areas, enter up to 8 characters.	Area names must be entered exactly as they were entered in the Area Names Area Descriptors Configuration Form. (See Table 3-2.)
	VOLUME SIZE (KB)	For each of up to 10 areas, enter 1 to 5 numeric digits.	Volume size ranges from 1 to max disk size in Kb.
	NUMBER FILES	For each of up to 10 areas, enter up to 3 numeric digits.	The number of files ranges from 0 to 999.

Table 3-14 — Instructions for HM Volume Configuration Form (Page 3 of 9)

LINE	NAME	FORM ENTRY	REMARKS
PHYSICAL NODE FOR CHECKPOINT CONFIGURATION DISPLAY			
50	NODE PAIR NUMBER	Enter a number from 1 to 20.	Refer to Table 3-12.
51	NODE NO	Enter either 0 or a number from 1 to 64.	Enter physical number for a valid node type. Valid node types are AM, CM, HG, or NIM. Enter 0 if node is not configured or 1 to 64 to configure a node for checkpointing. Redundant node numbers must be entered one after the other.
	VOLUME SIZE	Enter appropriate number per remarks column.	Enter 0 for HGs and redundant members. Refer to the <i>Engineer's Reference Manual</i> for guidance on other volume sizes.
	NUMBER FILES	Enter either 0 or a number within the appropriate range.	Must be 0 for HG and redundant members. For each AM , enter $5 * (\text{number of units} + 2)$. The range is 10 to 506. For each CM , enter $4 * (\text{number of Units} + 1)$. The range is 8-404. For each NIM , enter $4 * (\text{No. of PMs/APMs/HPMs}) + 4 * (\text{No. of LMs}) + 4$. The range is 1 to 999.

SW88-517
Page 4 of 9
7/96

HM VOLUME CONFIGURATION FORM
(Continued)

CONTINUOUS HISTORY UNIT AND GROUPS DISPLAY

PAGE N

60 NODE PAIR NUMBER |__|__|

61	UNIT ID	NBR. GROUPS	UNIT ID	NBR. GROUPS	UNIT ID	NBR. GROUPS
----	------------	----------------	------------	----------------	------------	----------------

PAGE 1

__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __

PAGE 2

__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __
__ __	__ __ __	__ __	__ __ __	__ __	__ __ __

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-14 — Instructions for HM Volume Configuration Form (Page 4 of 9)

LINE	NAME	FORM ENTRY	REMARKS
CONTINUOUS HISTORY UNIT AND GROUPS DISPLAY			
60	NODE PAIR NUMBER	Enter one or two numeric digits.	Refer to Table 3-12.
61	UNIT ID	Enter two alphanumeric characters for each of up to 64 units.	The Unit ID must be entered exactly as it is entered on the Unit ID/Unit Descriptor Form. (See Table 3-1.)
	NBR. GROUPS	The number of groups ranges from 1 through 150.	The number of groups ranges from 1 through 150. A maximum of 120 groups is recommended to avoid overloading the HM. The number of groups can safely exceed 120 if the number of snapshots selected is few or none. Each group contains up to 20 points. The sum of numbers in all entries must not exceed 120.

HM VOLUME CONFIGURATION FORM
(Continued)

CONTINUOUS HISTORY HM/UNIT OPTIONS PAGE N

65 NODE PAIR NUMBER

66 ALL UNITS

SAVE RATE	SAVE OPTIONS	PREARCHIVE HOURS		ARCHIVE?	
		SNAPSHOTS	USER AVG	YES	NO
05 10 20 60	SNAPSHOTS USER AVG	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	YES	NO

OR

67

DESIGNATED UNIT	SAVE RATE	SAVE OPTIONS	PREARCHIVE HOURS		ARCHIVE?	
			SNAPSHOTS	USER AVG	YES	NO
<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	05 10 20 60	SNAPSHOTS USER AVG	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	YES	NO
<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	05 10 20 60	SNAPSHOTS USER AVG	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	YES	NO
<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	05 10 20 60	SNAPSHOTS USER AVG	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	YES	NO
<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	05 10 20 60	SNAPSHOTS USER AVG	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	YES	NO
<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	05 10 20 60	SNAPSHOTS USER AVG	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	YES	NO
<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	05 10 20 60	SNAPSHOTS USER AVG	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	YES	NO
<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	05 10 20 60	SNAPSHOTS USER AVG	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	YES	NO
<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	05 10 20 60	SNAPSHOTS USER AVG	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	<input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>	YES	NO

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-14 — Instructions for HM Volume Configuration Form (Page 5 of 9)

CONTINUOUS HISTORY HM/UNIT OPTIONS DISPLAY			
NOTE			
<p>This form can be used to mass-configure all options for <u>all</u> Units or all options for <u>specific</u> Units. Option selections on this page override any entry on Page 6 of this form for the same Unit. If you choose ALL UNITS, do not use Page 6 of this form. If you configure the options for a DESIGNATED UNIT here, do not name that Unit again on Page 6. You can leave Page 5 blank or choose options for some Units here and choose the more detailed options for other Units on Page 6.</p>			
LINE	NAME	FORM ENTRY	REMARKS
65	NODE PAIR NUMBER	Enter one or two digits	
66	ALL UNITS	Circle if desired	If you select ALL UNITS, choose the options for all Groups and Units on the HM.
	SAVE RATE	Circle rate (seconds)	See Description Below
	SAVE OPTIONS	Circle if desired	See Description Below
	PREARCHIVE HOURS	Enter one to three digits	See Description Below
	ARCHIVE?	Circle one: YES or NO	See Description Below
67	DESIGNATED UNIT	Enter the Unit number (Not applicable if you circled ALL UNITS)	If you designate a Unit, the options entered apply to all Groups on that Unit.
	SAVE RATE	Circle the collection frequency: 5, 10, 20, or 60 seconds. (you must select a Save Rate to get <u>any</u> history)	Recommended snapshots/hour maximum = 168. Maximum allowed at 5 sec. = 240, 10 sec. = 480, 20 sec. = 960, 60 sec. = 999.
	SAVE OPTIONS	For each Designated Unit configured, circle:	Select the type of data to be saved for all Groups in the Designated Unit.
		SNAPSHOTS Trends require snapshots to be selected.	–base history plus eight hours of 1-minute averages
		USER AVG (User Average)	–base history plus 80 user averages
		SNAPSHOTS & USER AVG	–base history plus snapshots plus user averages
		Neither Snapshots nor User Averages	–only "base" history (hourly, shift, daily, monthly) averages
	PREARCHIVE HOURS USER AVG SNAPSHOTS	As applicable, enter one to three numeric digits for User Average and/or Snapshots.	Prearchive hours (either User Average or Snapshots can range from 0 to 999). If you want more than eight hours of data you must use prearchiving. (This is the way to exceed the standard eight hours of 1-minute snapshots and 85 user averages.)
	ARCHIVE	Circle one: YES NO (not currently available)	Select YES if all Groups in this Unit are to be archived.

SW88-517
Page 6 of 9
7/96

HM VOLUME CONFIGURATION FORM
(Continued)

CONTINUOUS HISTORY GROUP OPTIONS

PAGE N

70 NODE PAIR NUMBER

71

UNIT ID	GROUP NO.	SAVE RATE	SAVE OPTIONS	PREARCHIVE HOURS		ARCHIVE?
				SNAPSHOTS	USER AVG	
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	05 10 20 60	SNAP- SHOTS USER AVG	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	YES NO
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	05 10 20 60	SNAP- SHOTS USER AVG	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	YES NO
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	05 10 20 60	SNAP- SHOTS USER AVG	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	YES NO
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	05 10 20 60	SNAP- SHOTS USER AVG	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	YES NO
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	05 10 20 60	SNAP- SHOTS USER AVG	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	YES NO
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	05 10 20 60	SNAP- SHOTS USER AVG	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	YES NO
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	05 10 20 60	SNAP- SHOTS USER AVG	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	YES NO
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	05 10 20 60	SNAP- SHOTS USER AVG	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	YES NO

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-14 — Instructions for HM Volume Configuration Form (Page 6 of 9)

LINE	NAME	FORM ENTRY	REMARKS
CONTINUOUS HISTORY GROUP OPTIONS DISPLAY			
70	NODE PAIR NUMBER	Enter one or two numeric digits.	Refer to Table 3-12.
71	UNIT ID	Enter two alphanumeric characters.	Each Unit ID entered on this form can be one of up to 60 entered on Form <i>SW88-506</i> .
	GROUP NO.	Enter a number from 1 to 120.	The Group Number can vary from 1 to 120. Groups are numbered from 1 to N for each Unit, where N is the number of groups.
	SAVE RATE	Circle the collection frequency: 5, 10, 20, or 60 seconds.	Recommended snapshots/hour maximum = 168. Maximum allowed at 5 sec. = 240, 10 sec. = 480, 20 sec. = 960, 60 sec. = 999.
	SAVE OPTIONS	For each Group Number configured above, circle: SNAPSHOTS Trends require snapshots to be selected USER AVG (User Average) SNAPSHOTS & USER AVG Neither Snapshots nor User Averages	Select the type of data to be to be saved for the Group specified: -base history plus eight hours of 1-minute averages -base history plus 80 user averages -base history plus snapshots plus user averages -only "base" history (hourly, shift, daily, monthly) averages.
	PREARCHIVE HOURS USER AVG SNAPSHOTS	As applicable, enter one to three numeric digits for User Average and/or Snapshots.	Prearchive hours (either User Average or Snapshots can range from 0 to 999). If you want more than eight hours of data you must use prearchiving. (This is the way to exceed the standard eight hours of 1-minute snapshots and 85 user averages.)
	ARCHIVE	Circle one: YES* NO	Select YES if this Group is to be archived.
*Not currently available			

Table 3-14 — Instructions for HM Volume Configuration Form (Page 7 of 9)

LINE	NAME	FORM ENTRY	REMARKS
PROCESS UNIT JOURNAL CONFIGURATION DISPLAY			
80	NODE PAIR NUMBER	Enter one or two numeric digits.	Node pair ranges from 1 to 20.
81	UNIT ID	For each of up to 36 Units that are to be Journalled: – enter two alphanumeric characters	The Unit ID must be entered exactly as it is entered on the Unit ID/Unit Descriptor Form. (See Table 3-1.) The Unit ID SY (reserved in the system) must not be used. Note that the area SOE Journal collects events from only the units specified here. If an Area SOE Journal, was configured (line 8), a Process Unit Journal must be configured on the <u>same</u> HM node pair.
	PROCESS ALARM	– enter up to four numeric digits	The number of events entered must range from 200 to 7500.
	PROCESS CHANGE	– enter up to four numeric digits	The number of events entered must range from 200 to 7500.
	OPERATOR MESSAGE	– enter up to four numeric digits	The number of events entered must range from 200 to 3000.

SW88-517
Page 8 of 9
7/96

HM VOLUME CONFIGURATION FORM
(Continued)

CL STORAGE VOLUME CONFIGURATION

PAGE 1

110 NODE PAIR NUMBER 111 HIWAY FILE MANAGER DESCRIPTORS? YES **NO**
112 NETWORK FILE MANAGER DESCRIPTORS? YES **NO**

113

HIWAY NETWORK	NUMBER OF FILES	VOLUME SIZE (KB)	HIWAY NETWORK	NUMBER OF FILES	VOLUME SIZE (KB)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-14 — Instructions for HM Volume Configuration Form (Page 8 of 9)

LINE	NAME	FORM ENTRY	REMARKS
CL STORAGE VOLUME CONFIGURATION DISPLAY			
110	NODE PAIR NUMBER	Enter one or two numeric digits.	Assigns CL volumes for HG and/or NIM nodes.
111	HIWAY FILE MANAGER DESCRIPTORS	Circle one: YES NO	Select YES if you want files in this volume to have File Descriptors (requires 4Kb per volume + 64 bytes/file).
112	NETWORK FILE MANAGER DESCRIPTORS	Circle one: YES NO	Select YES if you want files in this volume to have File Descriptors (requires 4Kb per volume + 64 bytes/file).
113	HIWAY NETWORK	Enter one to two numeric digits.	The hiway or network number ranges from 0 to 20. If not 0, it must be assigned.
	NUMBER OF FILES	Enter one to three numeric digits.	The number of files should be one for each CL sequence program. The range is 1 to 999.
	VOLUME SIZE (KB) SIZE	Enter one to four numeric digits.	Volume Size can range from 1 to maximum disk size in Kb.

HM VOLUME CONFIGURATION FORM
(Continued)

USER FILE STORAGE CONFIGURATION DISPLAY

PAGE 1

130 NODE PAIR NUMBER

131

VOLUME ID	NUMBER OF FILES	VOLUME SIZE KILOBYTE	FILE MANAGER DESCRIPTORS
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES FAST
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO
<input type="text"/>	<input type="text"/>	<input type="text"/>	YES NO

References: Network Form Instructions in the Implementation/Startup & Reconfiguration - 1 binder.
Network Data Entry in the Implementation/Startup & Reconfiguration - 1 binder.

Table 3-14 — Instructions for HM Volume Configuration Form (Page 9 of 9)

USER FILE STORAGE CONFIGURATION DISPLAY			
Refer to the <i>Engineer's Reference Manual</i> for information on selecting volume size.			
LINE	NAME	FORM ENTRY	REMARKS
130	NODE PAIR NUMBER	Enter 1 or 2 numeric digits.	Refer to Table 3-12.
131	VOLUME ID	Enter up to 4 characters.	The Virtual Volume ID must include one alpha character. Underbar can appear in position 2 or 3, but not both.
	NUMBER OF FILES	Enter up to 4 numeric digits.	The number of files can range from 0 to 9995.
	VOLUME SIZE (KILOBYTES)	Enter up to 5 digits.	Volume size can range from 0 to maximum disk size in kilobytes. The sum of all volume sizes must not exceed that limit.
	FILE MANAGER DESCRIPTORS <u>First Volume</u>	Circle one: YES FAST	Select FAST if you want this to be a fast access volume. Only the first volume has this feature, so you may want to make it larger than the others to take advantage of this feature. Select YES if you want files in this volume to have File Descriptors (with normal access speed).
	FILE MANAGER DESCRIPTORS Except First Volume	Circle one: YES NO	Select YES if you want files in this volume to have File Descriptors (requires 4KB per volume + 64 bytes/file).

Index

Topic	Section Heading
AM Multiple Primmod Alarming options	3.13
AM node configuration	3.7
AM process start, hot/warm/cold, keylock access level	3.12
Access level to displays	3.6
Acknowledge status	3.12
Acknowledge system events, keylock access level	3.12
Alarm events in process unit journals	3.14
Alarm	
Command Access Table	3.13
status	3.13
process	3.13
red color priority	3.13
high, low, emergency priority	3.13
Archive replay files, number/size in HM	3.14
Archive, continuous history groups	3.14
Area	
based alarm acknowledge	3.13
change, keylock access level	3.13
data volume configuration	3.14
description	3.3
name configuration	2.5.1.1
names	3.3, 3.14
volume size	2.5.1.4, 3.14
Array of shift length	3.13
Assigned units	
AM	3.7
CM	3.10
Auto checkpoint enable/disable, keylock access level	3.13
Batch IDs	3.13
Batch history volume configuration	3.14
Baud rate, CM data links	3.10
Board revision levels	3.13
Burst buffer	3.14
CL volumes	2.5.1.4
CL/MC storage	3.14
CM node configuration	3.9
Change Box Variable display, keylock access level	3.13
Change events in process unit journals	3.14
Checkpoint	
keylock access level	3.13
volume configuration	3.14
volume, number of files	3.14
Clear the maint. display, keylock access level	3.13
Clock node	3.13
Confirm status	3.13
Console	
US configuration	3.6
description	3.4
device numbers	3.6
name configuration	2.5.1.1
names	3.4
status event	3.13
wide silence option	3.13

Index

Topic	Section Heading
Continuous history	
group options configuration	3.14
group archive	3.14
prearchive options	3.14
save options	3.14
snapshots and user averages	3.14
user average groups	3.13
volume configuration	3.14
unit/groups configuration	3.14
Continuous history volume, unit ID	3.14
Continuous history volume, number of groups	3.14
Control language CL volumes	2.5.1.4
Custom Software	2.5.1.2
Data links, CM configuration	3.10
Data links, baud rate	3.10
Date/time change, keylock access level	3.13
Default area database for US	3.6
Default values	2.3
Demand checkpoint, keylock access level	3.13
Descriptor, system wide values configuration	3.13
Disk drive	2.5.1.4
Disk partitioning	2.5.1.4
Drives, number/type in HM	3.13, 3.14
Dump node, keylock access level	3.13
Dump override, keylock access level	3.13
Dump volume, HM	3.14
EC (Extended Controller)	
volume	2.5.1.4
Emergency priority alarm	3.13
Engineer Personality, loading, keylock access level	3.13
Engineer keyboard US configuration	3.6
Error events, system unit journals	3.14
Exception build source volume	2.5.1.4
Execute command (EC) volumes	2.5.1.4
Custom Software	2.5.1.2
Fast commands, keylock access level	3.13
Fast User Volume	3.14
Fast raise/lower rate	3.13
Firmware revision levels	3.13
Floppy disk logical device number	3.6
Floppy disk Init display, keylock access level	3.13
Form instructions	2.3.1
Forms	1.1
GDF (global descriptor files)	3.14
Group options configuration, continuous history	3.14
Group options System Wide Values option	3.13
HG and Hiway load, keylock access level	3.13
HG	
node configuration	3.8
load HG only, keylock access level	3.13
warm/cold start, keylock access level	3.13

Index

Topic	Section Heading
HM	
Node configuration	3.9
Pair Selection menu	3.13
dump volume	3.14
initialization	2.5.1.4
node-pair number	3.9
off-line program image	3.14
primary/secondary nodes	3.13
volume configuration	3.14
High priority alarm	3.13
History Module configuration	3.9
History collection, enable/disable, keylock access level	3.13
History, continuous, volume configuration	3.14
Hiway Gateway	
node configuration	3.8
Hiway	
number HG configuration	3.8
Hot/warm/cold AM process start, keylock access level	3.13
ID, system	3.13
IDF files	2.5.1.4
IDs, Batch	3.13
Init personality, loading, keylock access level	3.13
Initialization, of HM	2.5.1.4
Install time, NCF	3.13
Intermediate data file (IDF) volumes	2.5.1.4
Journals, system unit	3.14
Keylevel change journal suppression	3.13
Keylock access to console operations	3.13
LCN nodes configuration	3.5, 2.5.1.2
LCN Cable Swap Inhibit	3.13
Load	
Engineer Personality, keylock access level	3.13
HG and Hiway, keylock access level	3.13
HG database only, keylock access level	3.13
Init personality, keylock access level	3.13
mode, HG configuration	3.8
operations, keylock access level	3.13
sequence programs to MC, keylock access level	3.13
test personality, keylock access level	3.13
Load/dump, keylock access level	3.13
Local NVCF file	2.5.1.4
Logical device number	3.6
Low priority alarm	3.13
MC (Multifunction Controller)	
sequence programs, load/save, keylock access level	3.13
Maintenance events, system unit journals	3.14
Maintenance function, keylock access level	3.13
Monthly period system wide values configuration	3.13
Multiple Primmod Alarming options	3.13

Index

Topic	Section Heading
NCF-see <i>Network Configuration File</i>	
Network configuration file	2.5.1
install time	3.13
version	3.13
Network configuration forms also see type of form	3.1
Network Gateway Error Message Throttle	3.13
Network Gateway Module	3.12
Network Interface Module	3.11
NG Module	3.12
NIM node configuration	3.11
No point process load, keylock access level	3.13
Node	
configuration	3.8, 3.9, 3.10
pair HM	3.13, 3.14
shutdown, keylock access level	3.13
types, Program Image Volume	3.14
LCN configuration	3.5
clock, system wide values configuration	3.13
Node-Pair number, HM	3.9
Number of data links CM configuration	3.10
Off-line Program Image Volume, HM	3.14
Operator	
access to displays	3.6
acknowledge status	3.13
confirm status	3.13
message events in Process Unit Journals	3.14
Operators keyboard, US configuration	3.6
Optional personalities, Program Image Volume	3.14
Options, Software	3.13
Page length, printer	3.13
Pair selection menu, HM	3.13
Period, user average	3.13
Personality change, keylock access level	3.13
Pick notation	2.4
PLCG	2.5.1.2
Port notation	2.4
Pre-archive, continuous history	3.14
Primary node, HM	3.13
Primary/secondary node, HM	3.13
Primary/secondary switch, keylock access level	3.13
Printed page, width of printing	3.13
Printer	
logical device number	3.6
assignment change, keylock access level	3.13
page length	3.13
Process alarm events in Process Unit Journals	3.14
Process alarms	3.13
Process change events in Process Unit Journals	3.14
Process Unit Journal, volume configuration	3.14
Process Unit Journals, operator message events in	3.14
Program Image Volume, configuration	3.14
Programmable Logic Controller Gateway	2.5.1.2

Index

Topic	Section Heading
Rate, fast raise lower	3.13
Real Time Journal Color Printing	3.13
Red color alarm	3.13
Redundant	
AM node	3.7
member node, HG	3.8
member node configuration, HM	3.9
node	3.5
References	1.4
Relays, console status	3.13
RemoteHG	2.5.2.3
Report start time/date	3.13
Reserve Controller Director	2.5.2.3,3.23
Reserved system values	3.13
Revision level, boards/firmware	3.13
Save options, continuous history	3.14
Save sequence programs at MC, keylock access level	3.13
Secondary node, HM	3.13
Sequence programs, load to MC, keylock access level	3.13
Shift length configuration	3.13
Shift start time/date for reports	3.13
Shifts per week, system wide values configuration	3.13
Snapshots and user averages	3.14
Software Options	3.13
Start time/date for reports	3.13
Startup mode, AM	3.7
Station default access level	3.6
Station options, US configuration	3.6
Status alarm	3.13
Status change, System Unit Journals	3.14
Status event, console	3.13
System descriptor, system wide values configuration	3.13
System events acknowledge, keylock access level	3.13
System status alarm	3.13
System Unit Journals	3.14
System values, reserved	3.13
System volume	3.14
System wide values configuration	2.5.1.3.13
TOG-see <i>Time Out Gate interval</i>	
Test personality, loading, keylock access level	3.13
Time/date change, keylock access level	3.13
Touch screen, US configuration	3.6
Trend pens, logical device number	3.6
Type of Winchester drive	2.5.1.4

Index

Topic	Section Heading
UAC (Uninterrupted Automatic Control)	2.5.2.3
UCN, number	3.11
Unit IDs	3.2
Unit alarm change, keylock access level	3.13
Unit assignment change, keylock access level	3.13
Unit description	3.2
Unit name configuration	2.5.1.1
Unit names	3.2
Units assigned to AM	3.7
Units assigned to CM	3.10
Universal Station, assignment to console	3.6
Universal Station configuration	3.5
User average period, system wide values configuration	3.13
User averages, continuous history	3.14
User file, volume configuration	3.14
User volumes	2.5.1.4
View Only access to operating displays	3.6
View access level, keylock access level	3.13
Virtual volume, user file volume configuration	3.14
Volume configuration	2.5.1.4
HM	3.14, 3.9
virtual volume, user file	3.14
CL/MC storage	3.14
batch history	3.14
user files	3.14
Warm/cold start, HG, keylock access level	3.13
Width of printed page	3.13
Winchester disk drives, number/type in HM	3.14
Winchester drive	2.5.1.4

READER COMMENTS

Honeywell IAC's Automation College welcomes your comments and suggestions to improve future editions of this and other publications.

You can communicate your thoughts to us by fax or mail using this form, or by placing a toll-free telephone call. We would like to acknowledge your comments; please include your complete name, address, and telephone number.

BY FAX: 1-602-313-4108

BY MAIL: Honeywell Inc.
Industrial Automation and Control
Automation College
2820 W. Kelton Lane
Phoenix, AZ 85023-3028

BY TELEPHONE In the USA, use our toll-free number 1-800-822-7673 (available in the 48 contiguous states except Arizona; in Arizona dial 1-602-313-5558).

Title of Publication: **Network Form Instructions**

Issue Date: **7/96**

Publication Number: **SW12-505**

Writer: **B. Damours**

COMMENTS: _____

RECOMMENDATIONS: _____

NAME _____ DATE _____
TITLE _____
COMPANY _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____
TELEPHONE _____ FAX _____

Honeywell

Industrial Automation and Control
Honeywell Inc.
16404 North Black Canyon Highway
Phoenix, Arizona 85023-3033

Helping You Control Your World