

Port Definition Name: \_\_\_\_\_

Define PU Addresses: up to 128 addresses

Emulation Type: Host, Terminal

PU Type: 1, 2, 2.1

Independent Activation: Yes, No

Segment Size: 256, 512

Initial State: Disable, Enable

**Host Parameters:**

Host PU Type: 4, 5

SSCP ID: \_\_\_\_\_ {up to 10 characters}

**Terminal Parameters:**

Contents ID: \_\_\_\_\_ {up to 8 characters}

**LU Parameters:**

Primary LU Protocols for FM Data: up to 128 addresses

LU Session Type: 3600, SCS PRT 3270 & 3767, 3270 CRT, 3270 PRT, 5250, LU 6.2

Independent Activation: Yes, No

Chaining Usage: Single, Multi

Request Mode: Immediate, Delayed

Chain Response: No Response, Exception Response, Definite Response, Definite or Exception Response

2-Phase Commit for Sync Point: Yes, No

Compression Used: Yes, No

EB Sent: Yes, No

### **Secondary LU Protocols for FM Data**

Chaining Usage:	Single, Multi
Request Mode:	Immediate, Delayed
Chain Response:	No Response, Exception Response, Definite Response, Definite or Exception Response
2-Phase Commit for Sync Point:	Yes, No
Compression Used:	Yes, No
EB Sent:	Yes, No

### **Common LU Protocols for FM Data**

Segments Used:	Yes, No
FM Headers:	Yes, No
Brackets Used:	Yes, No
Bracket Termination Rule:	1, 2
Alternate Code Supported:	Yes, No
Sequence Numbers Available for Restart:	Yes, No
BIS Sent:	Yes, No
Bind Queueing:	Yes, No
Normal Flow Send/Receive Mode:	FDX, HDX contention, HDX flip-flop
Recovery Responsibility:	Contention Loser, Symmetric
Contention Loser:	Primary, Secondary
Alternate Code Selection:	ASCII7, ASCII8
Control Vectors Allowed:	Yes, No
HDX-FF reset state for main LU:	Receive, Send

**Secondary-to-Primary Tx Pacing Protocols**

Staging: One Stage, Two Stage

Pacing Window: 0 – 7

**Secondary-to-Primary Rx Pacing Protocols**

Pacing Window: 0 - 7

**Maximum RU Size sent by Secondary**

RU Size Limits: None, <=RU Size

RU Size: \_\_\_\_\_

**Maximum RU Size sent by Primary**

RU Size Limits: None, <=RU Size

RU Size: \_\_\_\_\_

**Primary-to-Secondary Tx Pacing Protocols**

Staging: One Stage, Two Stage

Pacing Window: 0 – 7

**Primary-to-Secondary Rx Pacing Protocols**

Pacing Window: 0 – 7

PU Name: \_\_\_\_\_

PS Characteristics: \_\_\_\_\_

Initial Init-Self State: Wait, Transmit

Send Remote Status: Send, Not Send

Disconnect Action: Unbind, Term-Self, LU-STAT

Format: Format 0, Format 1

DLU Name: \_\_\_\_\_

Mode Name: \_\_\_\_\_

Data Type: EBCDIC, ASCII

Remote Data Type: ASCII, EBCDIC

## Instructions

This section contains the instructions for the SNA Dynamic Router Setup Worksheet . The default options are in blue italics.

### Define PU Addresses

The Physical Unit address specifies the address used by the host to poll the specific device. This address must be unique on the communications line. If host emulation is selected, then the Gateway will use this address to poll the attached terminal(s).

This option specifies the station address for the port. Address X'00 is reserved as the null (no station), and X'FF is reserved as the broadcast address. Do not use either of these addresses. Valid addresses are X'01 to X'FE.

If HOST mode is selected, the port will use this address to poll the attached device. If TERMINAL mode is selected, the port will accept polls with this address. Up to 128 addresses can be defined for the Gateway's DB-25 port. These addresses can be any combination of PU and LU addresses.

### Emulation Type: *Host*, Terminal

If Host is selected, then the port will poll the attached devices using the Line Address set in the appropriate field. If Terminal is selected, then the port will expect to be polled by the network using the Line Address set in the appropriate field.

### PU Type: *1, 2, 2.1*

An operations level selection; this selection must match the attached device/network.

### Independent Activation: Yes, *No*

This option determines if the SNA side of the Gateway will accept data BEFORE the other side (as defined by the routing table) is active. At least one of the two sides must be set for Independent Activation. If neither side is set, then the Gateway will not accept data.

This function provides integrity for the Gateway by preventing data from being accepted until it can be routed to the other address (connection) and successfully delivered.

### Segment Size: *256, 512*

This option determines the size of the segments used by the SNA network.

**Initial State:** *Disable*, Enable

**Host Parameters:**  
**Host PU Type:** 4, 5

**SSCP ID: up to 10 characters**

This string identifies this terminal to the System Services Control Point which is an inner protocol level means of controlling amounts of data sent with responses and requests which can carry further error information and to supplement previous messages.

**Terminal Parameters:**  
**Contents ID: up to 8 characters**

**LU Parameters:**  
**Primary LU Protocols for FM Data**  
**LU Session Type:** *3600*, SCS PRT 3270 & 3767, 3270 CRT, 3270 PRT, 5250, LU 6.2

**Independent Activation:** Yes, *No*

See above information regarding 'Independent Activation'.

**Chaining Usage:** *Single*, Multi

This option selects whether single or multiple request/response units will be sent.

**Request Mode:** *Immediate*, Delayed

**Chain Response:** *No Response*, Exception Response, Definite Response, Definite or Exception Response

This option specifies the types of response chains to be expected.

**2-Phase Commit for Sync Point:** Yes, *No*

This option specifies whether or not a 2-phase commit will be used; this is only used with LU type 6.2.

**Compression Used:** Yes, *No*

If set to 'YES', the port will accept compressed spaces and characters from the network. When a compressed space or character is received, the port expands the spaces before transmitting the data.

**EB Sent: Yes, *No***

The end bracket is part of the request/response header, used to indicate the beginning or end of a group of exchanged requests or responses.

**Secondary LU Protocols for FM Data**

**Chaining Usage: *Single*, Multi**

This option selects whether single or multiple request/response units will be sent.

**Request Mode: *Immediate*, Delayed**

**Chain Response: *No Response*, Exception Response, Definite Response, Definite or Exception Response**

This option specifies the types of response chains to be expected. No Response means that a response will not be issued by the half-session receiving the request. Exception Response means that a negative response will be issued by the half-session receiving the request only in the event of a detected exception. Definite response means that a response will always be issued by the half-session receiving the request whether the response is positive or negative.

**2-Phase Commit for Sync Point: Yes, *No***

This option specifies whether or not a 2-phase commit will be used; this is only used with LU type 6.2.

**Compression Used: Yes, *No***

If set to 'YES', the port will accept compressed spaces and characters from the network. When a compressed space or character is received, the port expands the spaces before transmitting the data.

**EB Sent: Yes, *No***

The end bracket is part of the request/response header, used to indicate the beginning or end of a group of exchanged requests or responses.

**Common LU Protocols for FM Data**

**Segments Used: Yes, *No***

This option selects whether Basic Information Units (BIUs) may be segmented.

**FM Headers: Yes, *No***

This option selects whether Function Management (FM) headers are implemented and allowed.

**Brackets Used: Yes, *No***

Selects whether to use end brackets.

**Bracket Termination Rule: 1, 2**

End brackets are an operations level setting controlling the parameters of the chain indicators. These rules vary between the majority of protocols and LU 6.2.

**Alternate Code Supported: Yes, *No***

Selects whether an alternate code set will be allowed.

**Sequence #s Available for Restart: Yes, *No***

Sequence numbers are unique transmission numbers assigned by the origin agent. If not selected to be available for restart, the series will reset and begin again.

**BIS Sent: Yes, *No***

**Bind Queueing: Yes, *No***

**Normal Flow Send/Receive Mode: *FDX*, HDX contention, HDX flip-flop**

This option specifies whether a delay is required for the modems/devices to turn around the transmit and receive lines, or how the port will function if choosing half-duplex.

**Recovery Responsibility: *Contention Loser*, Symmetric**

This option specifies which party is responsible for recovery for NON-FDX sessions.

**Contention Loser: *Primary*, Secondary**

This option sets the contention loser for recovery purposes.

**Alternate Code Selection: *ASCII7*, ASCII8**

Sets the alternate code available if the "Alternate Code Supported" parameter has been set to 'Yes'.

**Control Vectors Allowed: Yes, *No***

This setting specifies whether RU headers and other controls will be invoked.

**HDX-FF reset state for main LU: *Receive*, Send**

**Secondary-to-Primary Tx Pacing Protocols  
Staging: One Stage, Two Stage**

**Pacing Window: 0 – 7**

**Secondary-to-Primary Rx Pacing Protocols  
Pacing Window: 0 – 7**

**Maximum RU Size sent by Secondary  
RU Size Limits: *None*, <=RU Size**

This option sets the size of the request/response unit; if 'None' is set, there will be no limit or segmenting of the unit. If '<=RU Size' is set, the specification in the next field will prevail.

**RU Size:**

Sets the size of the request/response unit, if '<= RU Size' is selected in the prior field. Valid values are 128 through 65535.

**Maximum RU Size sent by Primary  
RU Size Limits: *None*, <=RU Size**

This option sets the size of the request/response unit; if 'None' is set, there will be no limit or segmenting of the unit. If '<=RU Size' is set, the specification in the next field will prevail.

**RU Size:**

Sets the size of the request/response unit, if '<= RU Size' is selected in the prior field. Valid values are 128 through 65535.

**Primary-to-Secondary Tx Pacing Protocols  
Staging: One Stage, Two Stage**

**Pacing Window: 0 – 7**

**Primary-to-Secondary Rx Pacing Protocols**  
**Pacing Window: 0 – 7**

**PU Name: up to 17 characters**

**PS Characteristics: up to 22 characters**

Allows configuration to Presentation Services headers, if employed on the network.

**Initial Init-Self State: *Wait*, Transmit**

**Send Remote Status: *Send*, Not Send**

If the address that the PU is routing data to becomes inactive, this field determines if the Gateway will notify the SNA network of the status change. The method of notification is specified in the 'Disconnect Action' field.

**Disconnect Action: *Unbind*, Term-Self, LUSTAT**

If the address that the PU is routing data to becomes inactive, the Gateway can send a notification to the host. The selected option should match your installation's requirements. The LU STAT and UNBIND are supported by all of the terminal emulations. The Term-Self is only used with LU0 terminal emulations.

**Format: *Format 0*, Format 1**

**DLU Name: up to 32 characters**

**Mode Name: up to 8 characters**

**Data Type: *EBCDIC*, ASCII**

Sets data type sent by the Gateway to the network.

**Remote Data Type: *ASCII*, EBCDIC**

Sets the data type expected to the Gateway from the network.