WAN-restoral Initial Configuration

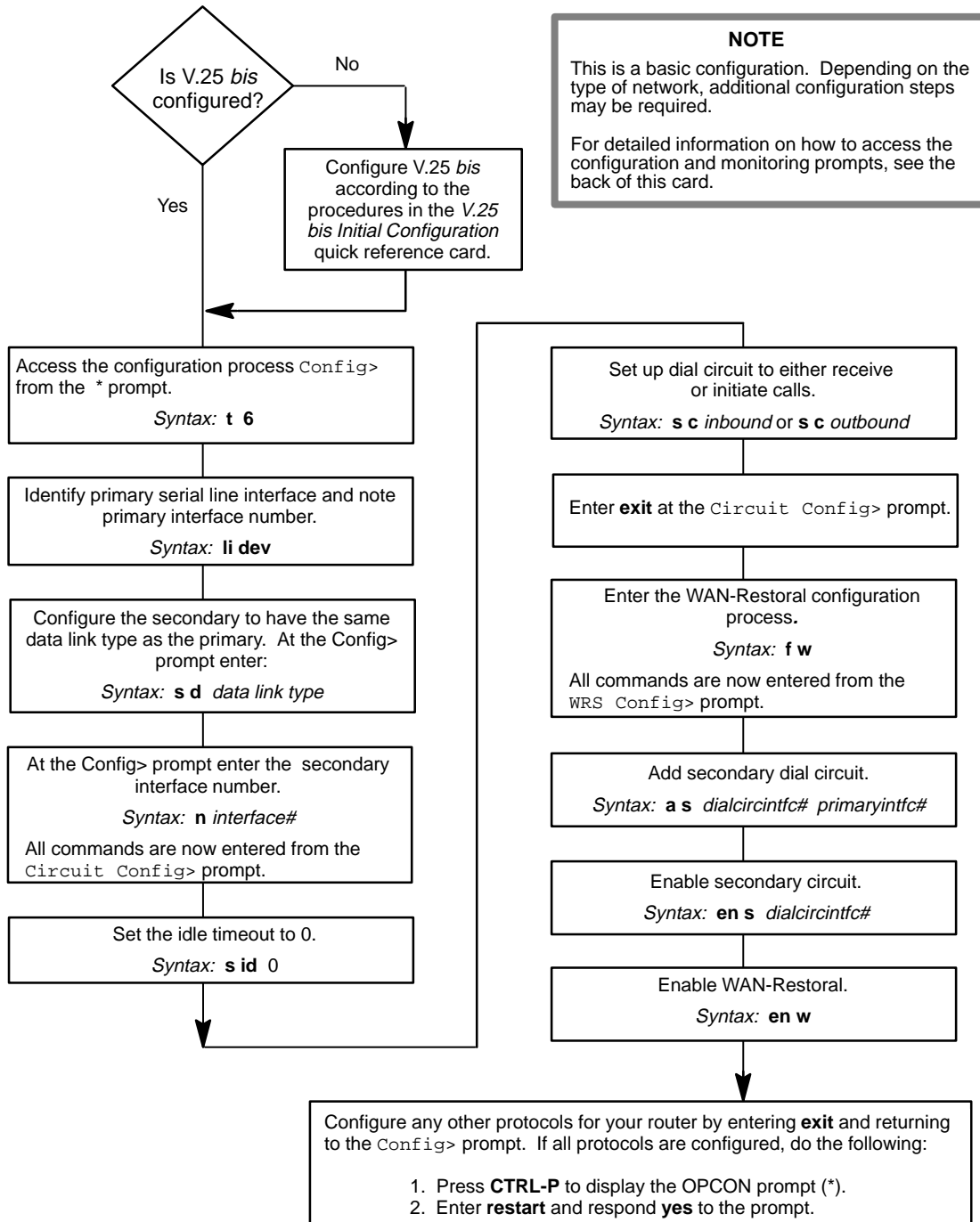**Is V.25 *bis* configured?**

No →

NOTE

This is a basic configuration. Depending on the type of network, additional configuration steps may be required.

For detailed information on how to access the configuration and monitoring prompts, see the back of this card.

Yes

Configure V.25 *bis* according to the procedures in the *V.25 bis Initial Configuration* quick reference card.

Access the configuration process `Config>` from the `*` prompt.

Syntax: **t 6**

Identify primary serial line interface and note primary interface number.

Syntax: **li dev**

Configure the secondary to have the same data link type as the primary. At the Config> prompt enter:

Syntax: **s d** *data link type*

At the Config> prompt enter the secondary interface number.

Syntax: **n** *interface#*

All commands are now entered from the `Circuit Config>` prompt.

Set the idle timeout to 0.

Syntax: **s id** 0

Set up dial circuit to either receive or initiate calls.

Syntax: **s c** *inbound* or **s c** *outbound*

Enter **exit** at the `Circuit Config>` prompt.

Enter the WAN-Restoral configuration process**.**

Syntax: **f w**

All commands are now entered from the `WRS Config>` prompt.

Add secondary dial circuit.

Syntax: **a s** *dialcircintfc# primaryintfc#*

Enable secondary circuit.

Syntax: **en s** *dialcircintfc#*

Enable WAN-Restoral.

Syntax: **en w**

Configure any other protocols for your router by entering **exit** and returning to the `Config>` prompt. If all protocols are configured, do the following:

1. Press **CTRL-P** to display the OPCON prompt (*).
2. Enter **restart** and respond **yes** to the prompt.

WAN-Restoral Configuration Commands

This quick reference card summarizes the WAN-Restoral configuration and console commands. The front panel of this card provides the initial configuration steps for this protocol. The back panel tells you how to access the CONFIG process.

Enter the following configuration commands at the `WRS Config>` prompt. To list the configuration commands and their options, enter a **?**.

After you have configured all of the protocols, enter **restart** at the OPCON prompt (*), and respond **yes** to the following prompt:

```
Are you sure you want to restart the router? (Yes or No): yes
```

<u>a</u>dd

<u>s</u>econdary-circuit   *secondary interface #*
                   primary interface #

Maps a secondary interface to a primary interface.

<u>d</u>isable

<u>s</u>econdary-circuit   *secondary interface #*

Disables WAN-Restoral for the primary interface that is mapped to this secondary interface.

<u>w</u>rs

Globally disables WAN-Restoral on this router.

<u>ena</u>ble

<u>s</u>econdary-circuit   *secondary interface #*

Enables WAN-Restoral for the primary interface that is mapped to this secondary interface.

<u>w</u>rs

Globally enables WAN-Restoral on this router.

<u>l</u>ist

Shows whether or not WAN-Restoral is enabled on this router. Also lists each primary-to-secondary interface mapping and whether or not WAN-Restoral is enabled for those interfaces.

<u>r</u>emove

<u>s</u>econdary-circuit   *secondary interface #*

Removes mapping of the secondary interface to the primary interface.

<u>ex</u>it

Returns to the `Config>` prompt.

WAN-Restoral Console Commands

Enter these commands from the `WRS>` prompt. The back of this card tells you how to access the CGWCON process. To list the WAN-Restoral console commands and their options, enter a ? at the `WRS>` prompt.

clear

> Clears the "Longest restoral period" statistic that is displayed using the **list all** command. Does not clear the "Most recent restoral period" statistics.

disable

secondary-circuit

> Disables the restoral of the primary interface that is mapped to this secondary interface until the next restart, reload, or **enable secondary** command if both interfaces were previously configured and bound together in the WRS configuration.

wrs

> Disables WAN-restoral on the router until the next restart, reload or enable WAN-restoral command.

enable

secondary-circuit *secondary interface #*

> Enables the restoral of the primary interface that is mapped to this secondary interface. The interface remains enabled only until the next time you restart the router or until you issue the enable configuration command.

wrs

> Globally enables WAN-Restoral on this router.

list

all

> Provides total statistics on the WAN-Restoral configuration as well as statistics and status for each primary and secondary interface.

secondary-circuit *# of secondary interface*

> Lists statistics for the selected secondary circuit.

summary

> Lists total WAN-Restoral statistics and lists a summary status for all secondary circuits.

exit

> Returns to the GWCON (+) prompt.

Accessing the CONFIG Process

Use the CONFIG process to display and change the current configuration in static RAM (SRAM).
To display the CONFIG prompt (`Config>`):

1. After the router boots, the console displays the * prompt. Enter **status** to display the pid (process ID) of CONFIG, usually 6.

2. Enter **talk** and the pid (6) for CONFIG. This displays the following information:

    ```
    Gateway user configuration
    Config>
    ```

    If the `Config>` prompt does not appear, press **RETURN** again. You can now enter the configuration commands.

3. When you are done entering the configuration commands, do the following to make the new configuration active:

    a. Press **CTRL-P** after the `Config>` prompt.

        ```
        Config> ^p
        *
        ```

    b. Enter **restart** after the * prompt.

    c. Respond **yes** to the following prompt:

        ```
        Are you sure you want to restart the gateway? (Yes
        or No): yes
        ```

        The new configuration is loaded when the console displays the following information:

        ```
        Copyright Notices:
        Copyright 1996 Digital Equipment Corp.
        Copyright 1985-1994 Proteon, Inc.
        Copyright 1984-1987, 1989 by J. Noel Chiappa

        MOS Operator Control
        *
        ```

Accessing the CGWCON Process

Use the CGWCON process to monitor protocols, network interfaces, and system messages. You cannot access the CGWCON process if the router is in configuration-only mode (the prompt is `Config only>`). To display the GWCON prompt (+):

1. After the router boots, the console displays the * prompt. Enter **status** to display the pid (process ID) of CGWCON, usually 5.

2. Enter **talk** and the pid (5) for CGWCON. This displays the CGWCON prompt (+). You can now enter the monitoring commands.

    To return to the * prompt, press **CTRL-P**.

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