Frequency Synchronization Commands

clock-id mac-address mac-address-id

To configure the MAC address of the device clock that can transmit the enhanced QL TLV in the network, use the **clock-id mac-address** *mac-address-id* command. To disable the device clock as the one that can transmit the enhanced QL TLV in the network, use the **no** form of this command.

clock-identity   **mac-address**   *mac-address-identity*   *region*

Command Default

When the **clock-id mac-address** *mac-address-id* command is not configured, the router MAC address is used to send clock-id in enhanced QL-TLV of ESMC packet.

Command Modes

XR Config mode

Command History

Release	Modification
Release 7.3.1	This command was introduced.

Task ID

Task ID	Operations
ethernet-services	read, write

This example shows how to configure the MAC address of the device clock that can transmit the enhanced QL TLV in the network:

```
Router# config
Router(config)# frequency synchronization
Router(config-freqsync)# clock-id mac-address 0000.0001.0003
Router(config-freqsync)# commit
```

synchronous-ethernet prefer-interface ptp-receiver

To choose PTP receiver interface as the SyncE source among equally qualified sources, use the **synchronous-ethernet prefer-interface ptp-receiver** command in XR Config mode mode.

synchronous-ethernet   prefer-interface   ptp-receiver

Syntax Description

This command has no keywords or arguments.

Command Default

None

Command Modes

XR Config mode

Command History

Release	Modification
Release 24.4.1	This command was introduced.

Usage Guidelines

No specific guidelines impact the use of this command.

Task ID

Task ID	Operations
ethernet-services	execute

Examples

This example shows how to select the PTP receiver interface as the SyncE source among equally qualified sources using the **synchronous-ethernet prefer-interface ptp-receiver** command:

```
Router#configure terminal
Router(config)#frequency synchronization
Router(config-freqsync)#synchronous-ethernet prefer-interface ptp-receiver
Router(config-freqsync)#commit
```