

# Frequency Synchronization Commands


- clock-id mac-address mac-address-id, on page 2
- synchronous-ethernet prefer-interface ptp-receiver, on page 3

# 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
```