



Frequency Synchronization Commands

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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	<table> <tr> <th>Release</th><th>Modification</th></tr> <tr> <td>Release 7.3.1</td><td>This command was introduced.</td></tr> </table>	Release	Modification	Release 7.3.1	This command was introduced.
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
```

synchronous-ethernet prefer-interface ptp-receiver