



# PTP Commands

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# synchronous-ethernet prefer-interface ptp-receiver

To prefer selection of the SyncE source on the same interface where the PTP receiver is selected by the router, use the **synchronous-ethernet prefer-interface ptp-receiver** command in the global frequency synchronization mode.

The desired SyncE source on PTP receiver interface gets selected if it has the highest or equal QL and user configured priority among the other available SyncE sources.

If the selected PTP source goes down or if the PTP source's quality degrades, the system may switch to another PTP source. In such case, use this command so that the SyncE source selection would also switch to the new PTP receiver interface. Here, the preferred switching of SyncE source to the new PTP receiver interface shall happen only if the new interface uses the same SyncE QL and the user configured priority as the previously selected interface.

**synchronous-ethernet prefer-interface ptp-receiver**

## Syntax Description

<b>prefer-interface</b>	Selects the frequency source among equal sources.
<b>ptp-receiver</b>	Selects the PTP receiver interface.

## Command Default

None

## Command Modes

EXEC

## Command History

Release	Modification
Release 24.4.1	This command was introduced.

## Usage Guidelines

### Task ID

Task ID	Operation
ethernet-services	read, write

## Example

This example shows how to configure the **synchronous-ethernet prefer-interface ptp-receiver** command.

```
RP/0/RP0/CPU0:router(config)# frequency synchronization synchronous-ethernet prefer-interface
ptp-receiver
RP/0/RP0/CPU0:router(config)# commit
```

This example verifies the **synchronous-ethernet prefer-interface ptp-receiver** configuration.

```
RP/0/RP0/CPU0:router(config)# show running-config frequency synchronization
Thu Aug 8 04:50:13.638 UTC
frequency-synchronization
 synchronous-ethernet prefer-interface ptp-receiver
!
```