###### 10MHz/CLK Interface Input

***Objective:***

Objective is to configure a frequency input on the SMB external interface.

***Procedure:***

* 10MHz/CLK interface is available using the basic SAOS 10.x licenses but it is still recommended to install the “SAOS SYNCHRONIZATION SOFTWARE LICENSE” if synchronization is going to be provisioned on the system.
* Go to CLI:

o Enter “config”.

* Select an option (option 1 or option 2; default none)

sync global network-option option-1

* Select a reversion mode (Revertive or non-Revertive)

sync global reversion-mode revertive

* Configure a wait to restore time (0 to 5 minutes; default 5 min.) In this example, WTR is 0.

sync global wait-to-restore 0

* + Configure a frequency protection group and assign a minimum quality level threshold.

sync protection-groups frequency-protection-group FreqProtGrp threshold-quality-level prs

* + Configure an external input frequency reference:

sync input-references clk-input-reference CLK-Input-Test interface smb-clk-1 clock-frequency 2048-khz forced- quality-level prc

Note: depending on the device, the external interface may be referenced as smb-clk-1 or smb-1. smb-clk-1 references a smb port labeled CLK and smb-1 references an interface labeled 1PPS/10MHZ on the device faceplate.

* + Add the frequency input to the protection group:

sync protection-groups frequency-protection-group FreqProtGrp

clk-input-reference CLK-Input-Test

Test Case Results:

Passed: Yes No Verified by Date/Time Comments