###### Configure sync PTP global parameters

***Objective:***

The objective of this test case is to set the following: global sync PTP parameters: profile, protocol- version, clock-type, timestamp-mode, domain-number, priority2, priority1, announce-tx-rate, sync- tx-rate, delay-request-tx-rate, announce-rx-loss-num. Note: profile configuration is mandatory.

***Procedure:***

* Enter the following command to set the sync ptp profile:

sync ptp-global profile g.8275.1

* Enter the following command to set the sync ptp protocol version:

sync ptp-global protocol-version 2

* Enter the following command to set the clock type:

sync ptp-global clock-type <bc, oc-slave>

* Enter the following command to set timestamp-mode:

sync ptp-global timestamp-mode <one-step, two-step>

* Enter the following command to set domain-number:

sync ptp-global domain-number <N>

* Enter the following command to set priority 2:

sync ptp-global priority2 <N>

* Enter the following command to set priority 1:

sync ptp-global priority1 <N>

* Enter the following command to set announce-tx-rate:

sync ptp-global

* Enter the following command to set sync-tx-rate:

sync ptp-global announce-tx-rate < 1, 1-16th, 1-2nd, 1-4th, 1-8th, 128, 16, 2, 32, 4, 64, 8>

* Enter the following command to set delay-request-tx-rate:

sync ptp-global delay-request-tx-rate < 1, 1-16th, 1-2nd, 1-4th, 1- 8th, 128, 16, 2, 32, 4, 64, 8>

* Enter the following command to set announce-rx-loss-num:

sync ptp-global announce-rx-loss-num <N>

* You should see something like the following from VALCli:

5162\_0003> show sync ptp

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SYNC PTP GLOBAL +

| Parameter | Value |

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| Profile | G.8275.1 |

| Clock Type | Boundary Clock |

| Protocol Version | 2 |

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| Mean Path Delay | 0 |

| Offset From Master | 0 |

| Steps Removed | 0 |

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| Number Ports | 42 |

| Domain Number | 24 |

| Clock Quality Offset Scaled Log Variance | 65535 |

| Clock Identity | 2C:39:C1:FF:FE:00:15:18 |

| Priority1 | 128 |

| Clock Quality Clock Accuracy | 254 |

| Two Step Flag | False |

| Clock Quality Clock Class | 248 |

| Priority2 | 128 |

| Slave Only | False |

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| Grandmaster Clock Quality Offset Scaled Log Variance | 65535 |

| Grandmaster Clock Quality Clock Class | 248 |

| Parent Port Identity Clock Identity | 2C:39:C1:FF:FE:00:15:18 |

| Parent Port Identity Port Number | 0 |

| Grandmaster Identity | 2C:39:C1:FF:FE:00:15:18 |

| Grandmaster Priority2 | 128 |

| Grandmaster Clock Quality Clock Accuracy | 254 |

| Grandmaster Priority1 | 128 |

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| Time Traceable | False |

| Current UTC Offset Valid | False |

| Time Source | Internal Oscillator (160) |

| Frequency Traceable | False |

| Leap61 | False |

| Current UTC Offset | 35 |

| Ptp Timescale | True |

| Leap59 | False |

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Test Case Results:

Passed: Yes No Verified by Date/Time Comments