###### General Sync Configuration (G.8275.1)

***Objective:***

The objective of this test is to configure general sync parameters.

***Topology:***

Antenna connected to the GNSS input (SMB antenna input).

***Procedure:***

1. Configure the option type, (option 1 – ETSI, option 2 – ANSI), ptp profile (G.8275.1) and reversion parameters.

sync global network-option option-1 sync global reversion-mode revertive sync global wait-to-restore 0

sync ptp-global profile g.8275.1 sync ptp-global clock-type gm

sync ptp-global protocol-version 2

***Expected Results:***

Global Sync parameters should be configured.

5171\*> show sync

+ SYNC GLOBAL +

| Parameter | Value |

+ + +

| Admin State | Enabled |

| Network Option | Option I |

| Reversion Mode | Revertive |

| Wait To Restore (mins) | 5 |

| Holdover Interval | Indefinite |

| Internal OCXO Quality Level | QL-SEC |

+ + +

5171\*> show sync ptp

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| +  | | Parameter | SYNC | PTP | GLOBAL | | | Value |  | +  | |
| +  | | Clock Type |  |  |  | +  | | Grand | Master | +  | |
| | | Profile | | | | | | G.8275.1 | | | |
| | | Protocol Version | | | | | | 2 | | | |
| | | Timestamp Mode | | | | | | One Step | | | |
| | | Current Utc Offset | | | | | | 37 | | | |
| |  +  | | Phase Holdover Time  Steps Removed | |  +  | | | | | 24 hours  0 | | |  +  | |
| | | Offset From Master | | | | | | 0 | | | |

| Mean Path Delay | 0 |

+ + +

| Two Step Flag | False |

| Clock Identity | 20:80:58:FF:FE:EC:0C:00 |

| Number Ports | 28 |

| Clock Quality Clock Class | 6 |

| Clock Quality Clock Accuracy | 254 |

| Clock Quality Offset Scaled Log Variance | 65535 |

| Priority1 | 128 |

| Priority2 | 128 |

| Domain Number | 24 |

| Slave Only | False |

+ + +

| Parent Port Identity Clock Identity | 20:80:58:FF:FE:EC:0C:00 |

| Parent Port Identity Port Number | 0 |

| Grandmaster Identity | 20:80:58:FF:FE:EC:0C:00 |

| Grandmaster Clock Quality Clock Class | 6 |

| Grandmaster Clock Quality Clock Accuracy | 33 |

| Grandmaster Clock Quality Offset Scaled Log Variance | 20061 |

| Grandmaster Priority1 | 128 |

| Grandmaster Priority2 | 128 |

+ + +

| Current UTC Offset Valid | True |

| Current UTC Offset | 37 |

| Leap59 | False |

| Leap61 | False |

| Time Traceable | True |

| Frequency Traceable | True |

| Ptp Timescale | True |

| Time Source | GPS (32) |

+ + +

Test Case Results:

Passed: Yes No Verified by Date/Time Comments