

# PSS Servo

## Key Features:

- Adaptive strategy selection
- Transient detection and mitigation
- Support of low and high PDV networks
- Extensive reporting
- Agnostic to PLL and XO
- Conforms to ITU-T recommendations G.8261, G.8273.2, G.8273.4 and to the O-RAN S-plane specifications

## Application areas:

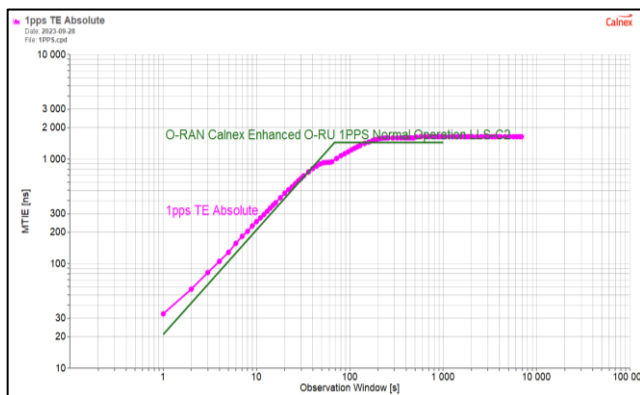
- Telecom
- Broadcast
- Finance
- Power
- Industrial

## Overview:

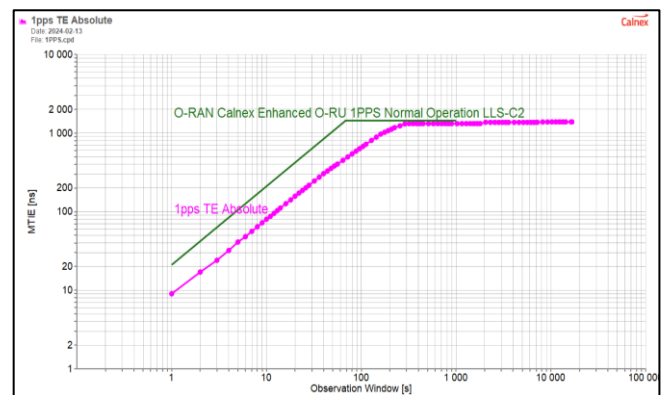
Reliable time and frequency synchronization is becoming essential as network requirements grow more demanding. Under ideal conditions, many solutions can meet these needs thanks to established standards and capable hardware and software. Real deployments are rarely perfect. Cost-optimized devices, mixed generations of equipment, and legacy network infrastructure not designed for precise timing all introduce challenges.

*PSS Servo delivers stable and accurate synchronization even under non-ideal conditions, reducing integration effort and lowering operational costs.*

### Full Timing Support – O-RAN RU Normal

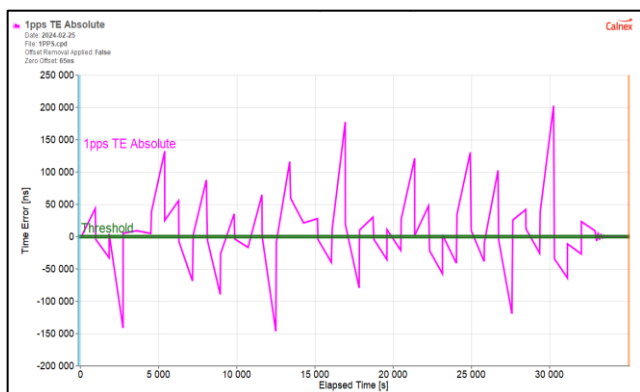


Open source PI servo

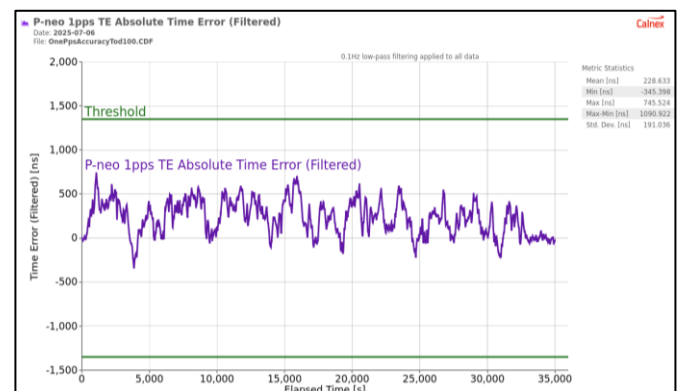


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### Partial Timing Support – G.8273.4

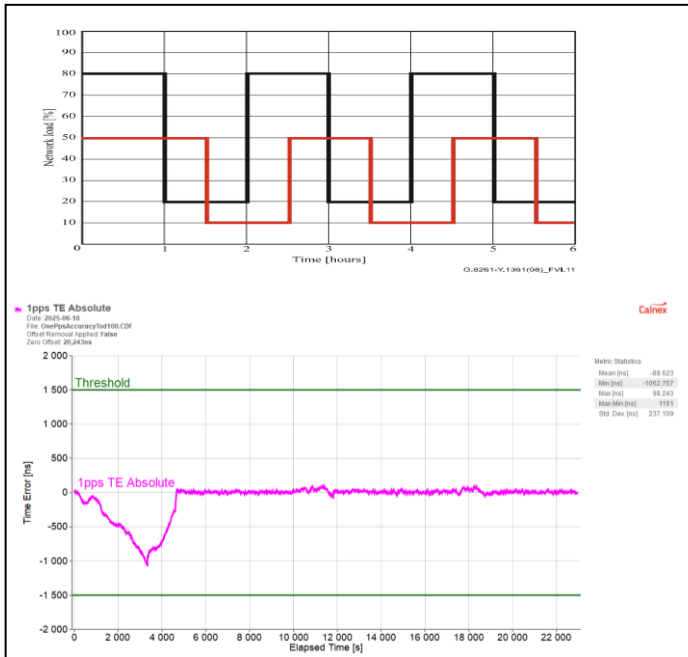


Open source PI servo

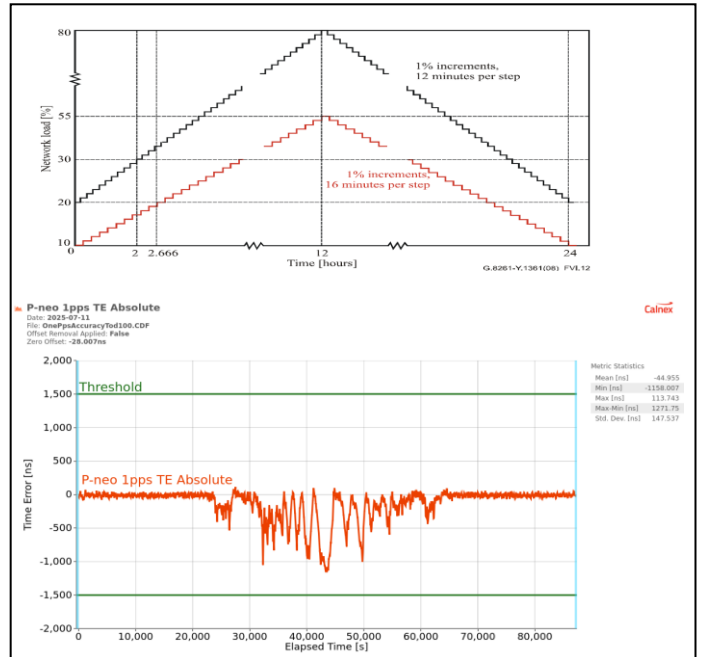


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## No Timing Support – G.8261



PSS Sevo -TC13



PSS Servo - TC 14

### Verified on:

- Agilex 5, 7 and Stratix 10.
- Intel E810XXVDA4T.
- 10G and 25G Ethernet.
- TI, Skyworks, Renesas and Microchip PLL
- Various TCXO and OCXO.

### Visualization Package (Optional):

Configuration files and instruction manuals for setting up a visualization using mtail, Prometheus and Grafana.

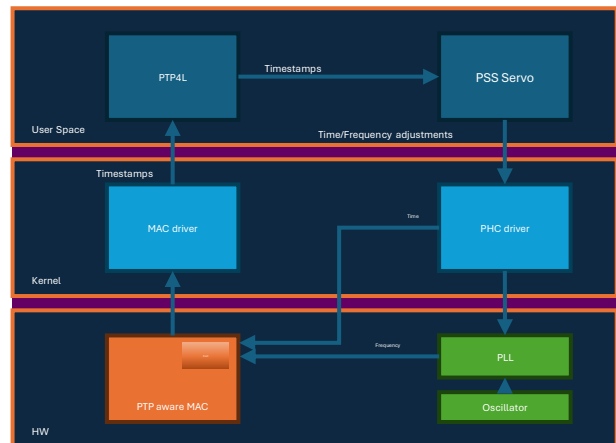


### Package Content:

- Executable for Altera HPS/Intel CPU
- Configuration file.
- Installation, integration and user guide.

### System Requirements:

- Altera Agilex 7,5,3/Stratix 10 HPS or Intel CPU
- Hardware timestamping-capable Ethernet interface
- 64-bit Linux with PTP support and PHC drivers
- ptp4l v3.1.1 or higher



### PSS Servo is offered with:

- Flexible licensing and support models
- Optional Customization Services

For more information contact us at [info@programmable-solutions.se](mailto:info@programmable-solutions.se)  
Visit our website at [www.programmable-solutions.se](http://www.programmable-solutions.se)

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