

# Victoria Jitter/Wander



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# Jitter/Wander

*In Real-Time for SDH, SONET, PDH and T-Carrier*



**TrendCommunications**

## Victoria Jitter/Wander *Exclusive*

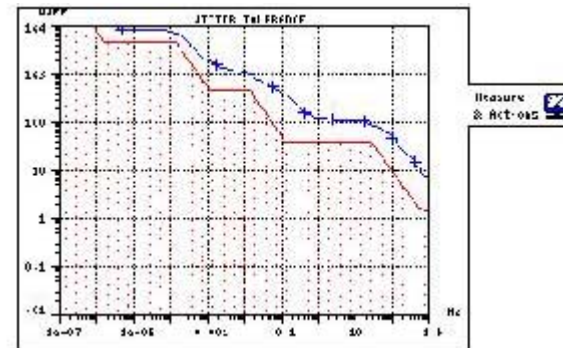
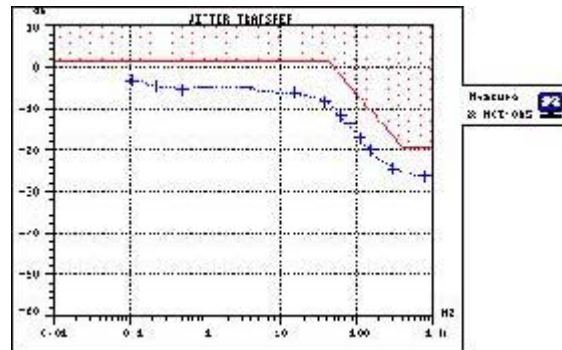
*Victoria Jitter/Wander is a hand-held tester for advanced diagnostic and correction of synchronization faults in SDH, SONET, PDH and T-Carrier networks. General purpose tests (BERT, Overhead analysis...) are also possible*

- Automated one-button tests with PASS/FAIL indication
- Color touchscreen with easy-to-use graphical user interface
- Real time TIE, MTIE and TDEV evaluation without external PC
- Predefined masks, graphical results and tables
- Extended jitter measurement capabilities from 0.1 Hz



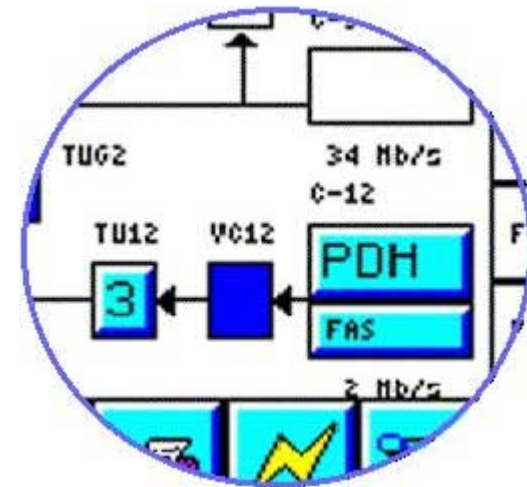
# VictoriaJitter/Wander *Features*

- Full compliance with O.171 and O.172 for jitter and wander testing
- Generation of jitter and wander with arbitrary modulation (ETSI tests for ONP)
- MRTIE, offset and drift measurements to verify performance of clocks
- Jitter tolerance and transfer to test performance of network elements



# VictoriaJitter/Wander *Features*

- G.783 pointer sequences to analyse combined jitter
- All ANSI and ITU-T mappings for SDH/SONET
- BERT in payload and in overhead bytes
- Tandem Connection Monitoring (TCM) and APId tests
- Nx64 and Nx56 tests at DS1 and E1 rates



## Victoria Jitter/Wander *Applications*

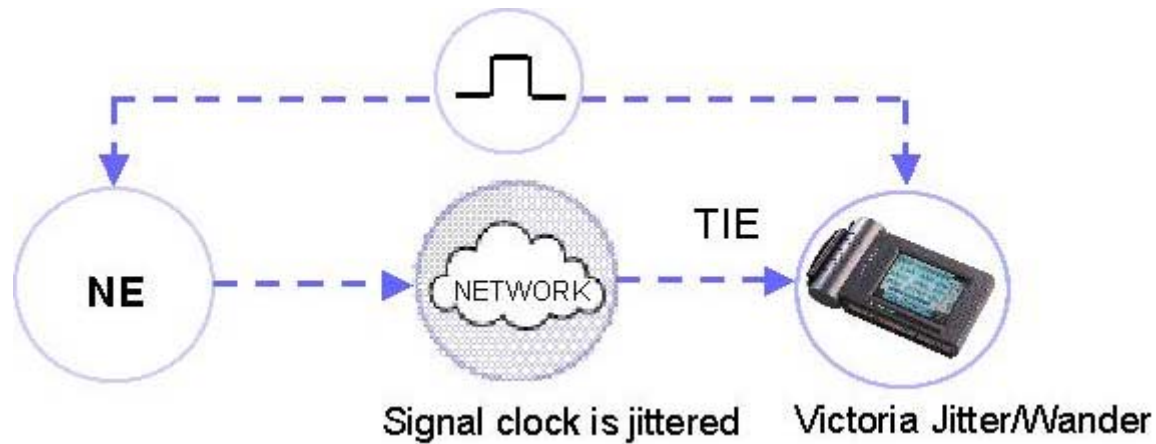
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- Installation of digital broadband networks and bringing into service of new links
- Acceptance and commissioning of equipment for SDH, PDH, SONET, T-Carrier, ATM and digital video transport networks
- Agreement for UMTS/3G and GSM synchronization sources with specified limits for the mobile access network
- Conformance testing of high performance clocks (PRCs, SECs and SSUs)
- In-service and out-of-service monitoring and surveillance of links with intermittent faults caused by bad synchronization

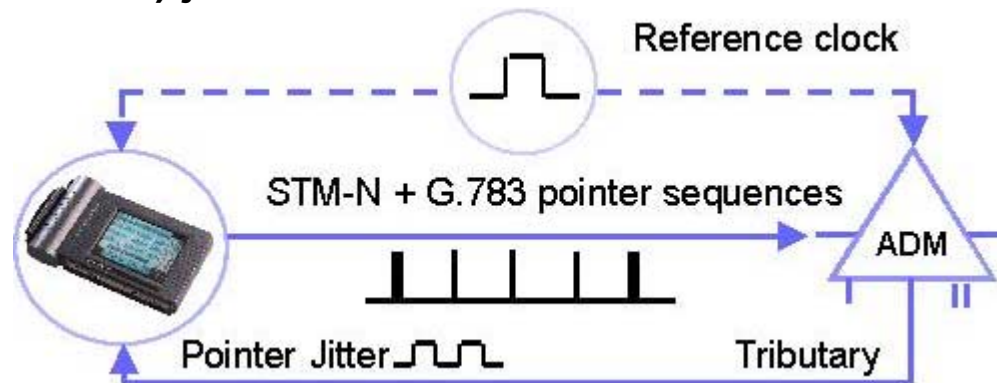


# Victoria Jitter/Wander Applications

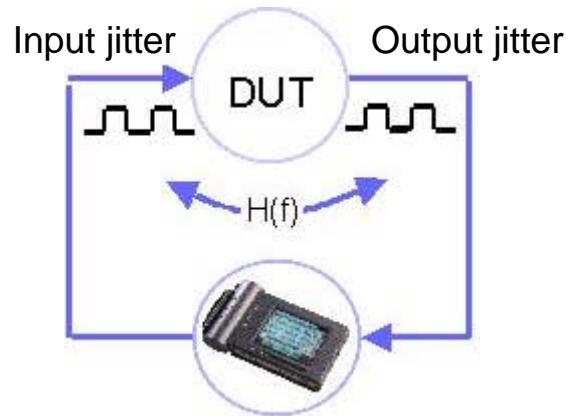
## Output jitter/wander



## Pointer (combined) jitter

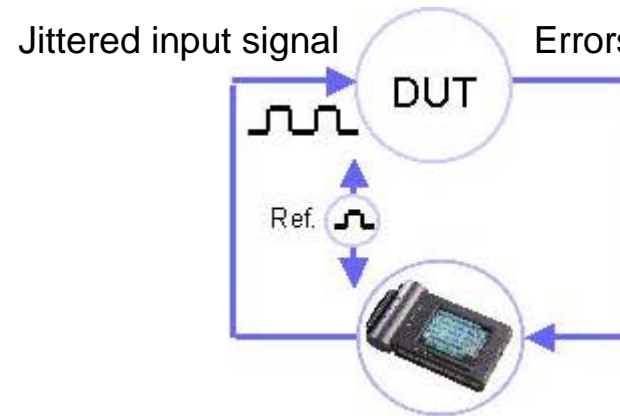


## Jitter/Wander transfer function



Victoria Jitter/Wander

## Jitter/Wander tolerance



Victoria Jitter/Wander