

A YANG Data Model for Network Tester Management

draft-ietf-bmwg-network-tester-cfg-06

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Specification:

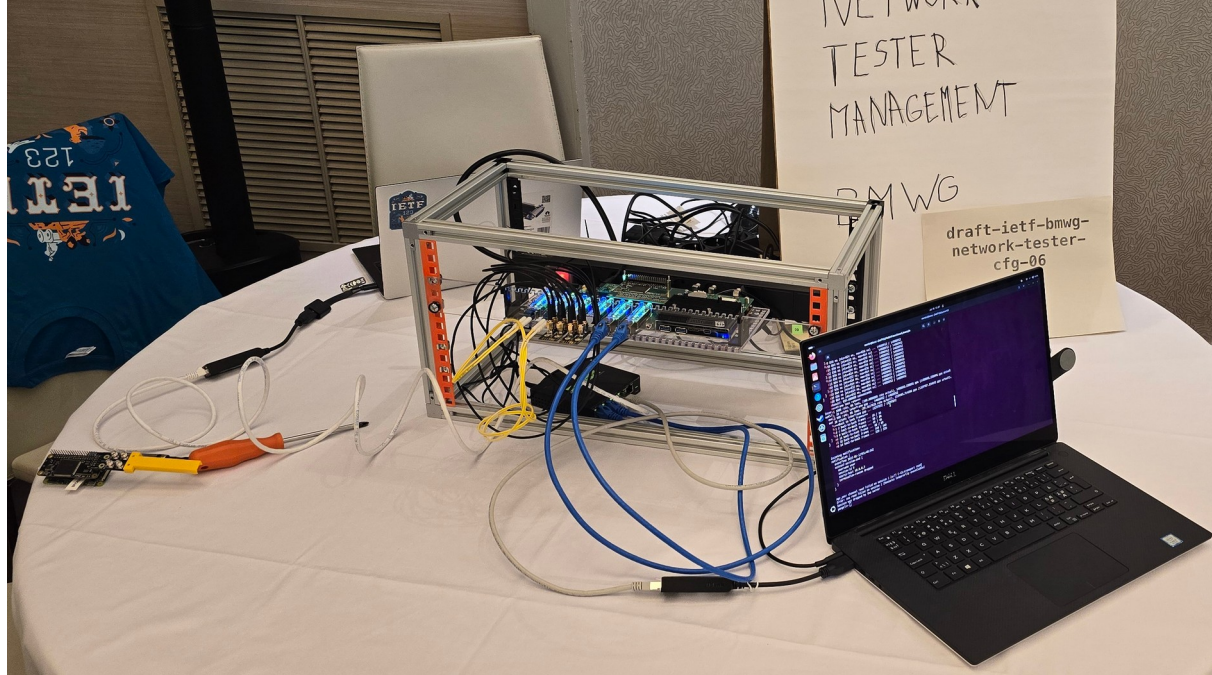
- * [draft-ietf-bmwg-network-tester-cfg-06](#)

Client side examples:

- * `rfc2544-benchmark.py` ([Python](#))

Device side:

- * Software - YANG/NETCONF device implementation code ([C](#))
- * Gateware - ([Verilog](#))
- * Hardware - off-the-shelf FPGA module Ultra96 + 6x SFP+ network programmability kit shield ([KiCAD](#), [Walk-through](#), OSHWA UIDs [NO000005](#), [NO000006](#))
- * Pre-silicon gate level [simulation](#) with cocotb/iverilog as alternative to target hardware



- Summary
 - 2019-03-09 – Initial private submission of the draft
 - Reviews on the mailing list:
 - Benchmark methodology specialists (Al Morton)
 - YANG modeling language specialists (Jürgen Schönwälder)
 - Support for adoption (Rob Wilton)
 - Open-source implementation of RFC2544 benchmark in Python
 - Open-source hardware and gateway device implementation.
 - 2022-06-17 – The BMWG adopts the draft
 - Continued work on improvement of the draft and the implementation
 - 2024-10-21 Last YANG module change

- State of the draft (bmwg-network-tester-cfg):
 - Stable only change -05 to -06 was „e0“ -> „eth0“ as interface name in example
 - No issues pending
 - Ready for Working Group Last Call
- State of the implementation:
 - First open-source RFC2544 implementation (Python)
 - Both static and dynamic tesframe support
 - Pre-silicon gate level simulation testing using network tester model and the synthesizable traffic generator and analyzer cores