

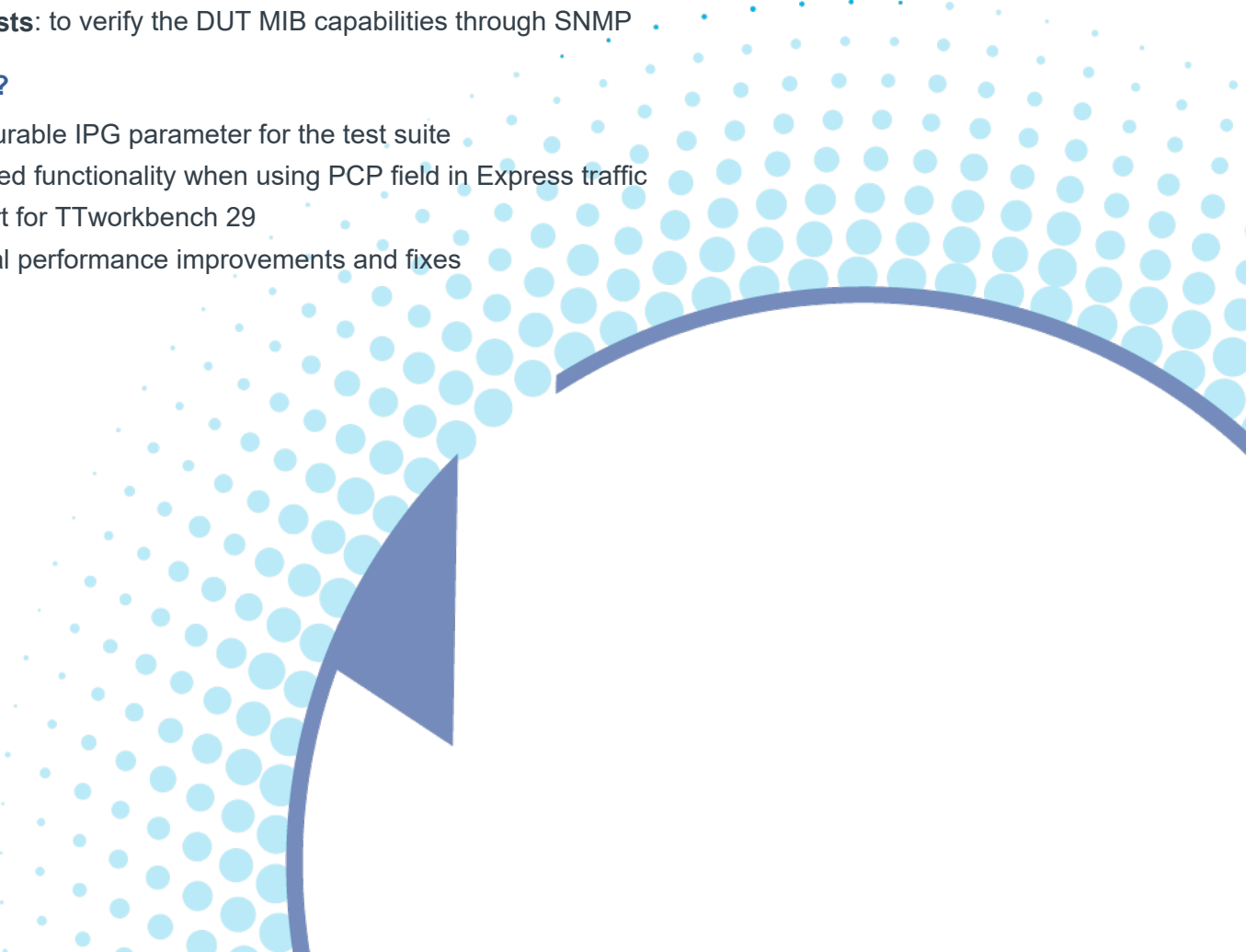
Spirent TTsuite-TSN Preemption 1.4.0

2020-06-19 Release Notes

We are happy to announce the immediate availability of **TTsuite-TSN-Preemption version 1.4.0**. This release contains test cases for the following use cases:

- **Reception tests:** to verify that the DUT is capable of reassembling fragments
 - **Acceptance tests:** to verify that the DUT accepts all possible combinations of valid traffic
 - **Rejection tests:** to verify that the DUT drops invalid traffic
- **Transmission tests:** to verify that the DUT is capable of fragmenting Ethernet frames
- **LLDP tests:** to verify that the DUT is capable of pre-emption capabilities as communicated through LLDP
- **MIB tests:** to verify the DUT MIB capabilities through SNMP

What's new?

- Configurable IPG parameter for the test suite
 - Improved functionality when using PCP field in Express traffic
 - Support for TTworkbench 29
 - General performance improvements and fixes
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Application Areas

Frame preemption is one of the core TSN standards. Time-Sensitive Networking is a collection of protocols defined by IEEE with applicability in many verticals like:

- **Automotive** — advanced driver-assistance systems (ADAS), X-By-Wire, autonomous driving
- **Industrial** — smart manufacturing, smart grid, industrial automation, industry 4.0
- **Telecom** — transport time-sensitive fronthaul streams over Ethernet

IEEE Standards

TTsuite-TSN-Preemption provides a full test coverage for the following IEEE standards:

- **IEEE Std 802.1Qbu-2016** (Amendment to IEEE Std 802.1Q-2014) — Amendment 26: Frame Preemption
- **IEEE Std 802.3br-2016** (Amendment to IEEE Std 802.3-2015) — Amendment 5: Specification and Management Parameters for Interspersing Express Traffic
- **IEEE Std 802.1CM-2018** — Time-Sensitive Networking for Fronthaul

Download TTsuite-TSN-Preemption

To download the latest version of TTsuite-TSN-Preemption, you need to register yourself in the Spirent Customer Service Center at <https://support.spirent.com>. Afterwards, please follow these detailed instructions on [How to download TTworkbench, TTsuites & TTplugins](#).

Please be aware that TTsuite-TSN-Preemption requires at least **TTworkbench version 29**.

Please direct all questions and inquiries to our support team at support@spirent.com with *TTworkbench* in your subject line beside your topic to ensure fast response times.

If you prefer to call our customer care department, please dial [+49 30 726 19 19 0](tel:+493072619190).

It is Spirent's intention to provide you with the highest level of customer service.

Thank you for your continued interest!

Notes

This document is subject to change without notice.

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