

# Taming SD-WAN

## Taming SD-WAN: 3 Steps to Success

Manage complexity by relying on industry standards and innovative best practices from successful deployments.



**1**

**Tame the Stack**

**2**

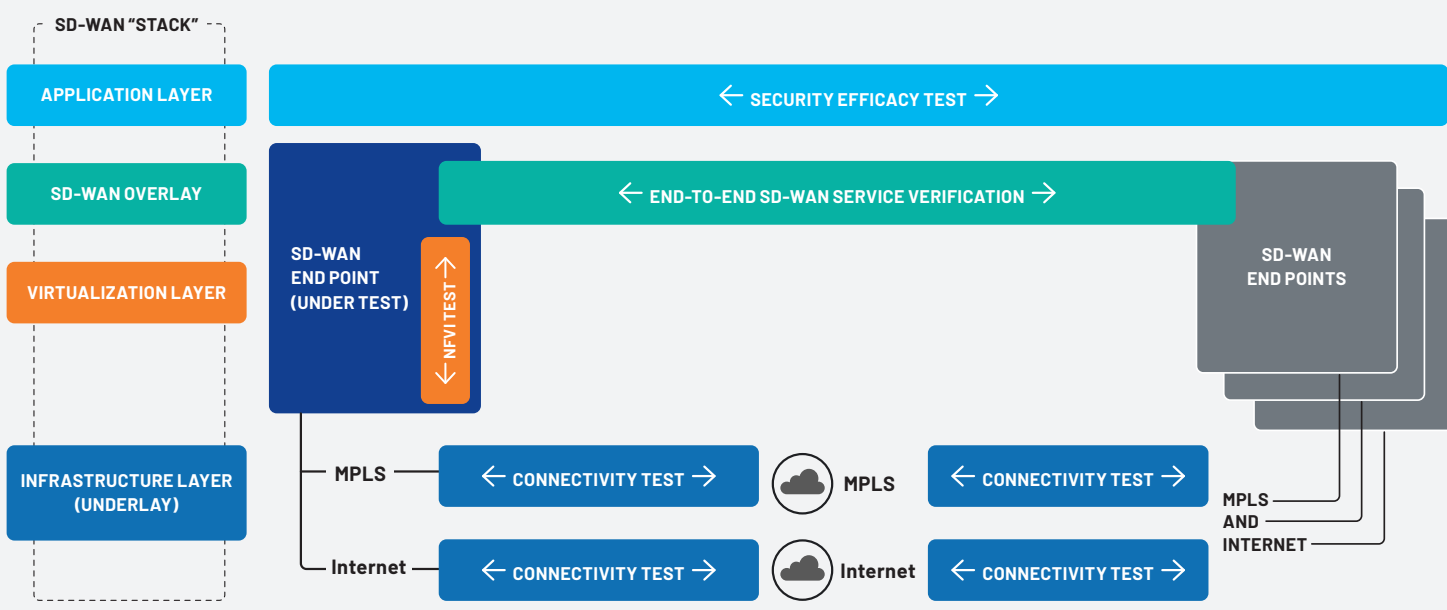
**Tame the Risks**

**3**

**Tame the Lifecycle**

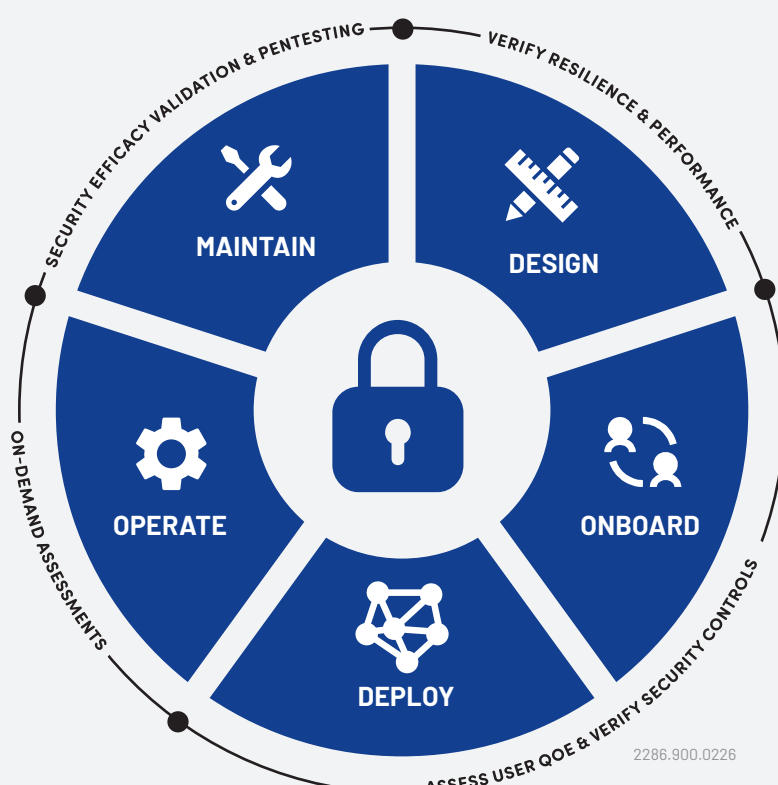
## Tame the Stack

VIAVI recommends validation testing of the entire SD-WAN 'stack' from infrastructure to application layers including the SD-WAN overlay and connectivity underlays. On the overlay and application layers, end-to-end tests determine readiness for launch and assess performance and security continuously. On the underlay and virtualization layers, NFVi and connectivity tests accelerate lifecycle troubleshooting by isolating root causes.



## Tame the Risks

VIAVI recommends security and application layer performance testing to validate security efficacy and quality of experience across the SD-WAN lifecycle. The ability to assess "what-if" scenarios with continually updated actual attack and malware testing enables exposure and remediation of security weaknesses, ensuring stable and secure SD-WAN environments.



## Tame the Lifecycle

VIAVI recommends use of consistent methodologies and systems for SD-WAN testing and assurance across the SD-WAN lifecycle from lab and pre-production environments to the field and 'live' operational networks. A consistent approach enables DevOps collaboration and automation to drive CI/CD practices. Key lifecycle testing attributes include:

- Multi-layer testing and common test cases
- Network and security testing methodologies
- End-to-end, domain, and device coverage
- Physical and virtual SD-WAN endpoint validation

