

Keysight Landslide 5G Core Automation Platform

The Race to 5G Has Begun

To deliver on the promise of 5G, service providers need to work fast, but equally important, meet the high expectations of service quality. Validating and securing the increasingly complex landscape of new technology, multivendor environments, and new delivery models adds extreme pressure to the timeline and budget. Expectations for 5G are higher than ever, and a false start, or security incident will wreak havoc for organizations advertising a newly minted 5G network.

Jumpstart Testing with the 5G Core Automation Platform

Leverage a library of managed test cases, developed by 5G and security experts, to save your organization valuable time and money in the race to 5G. Whether you need resources and expertise, require vendor agnostic validation, or are looking for a way to speed your 5G core deployments, Keysight Landslide 5G Core Automation will help you deliver on your 5G promise.

Get immediate access to 5G core test cases for compliance, capacity, performance, and security by pairing Keysight's industry-leading Landslide and Velocity automation capabilities into a turnkey solution, maintained over time as standards evolve and requirements change. Tailored service offerings ensure your implementation is executed quickly and achieves the outcomes your organization requires.

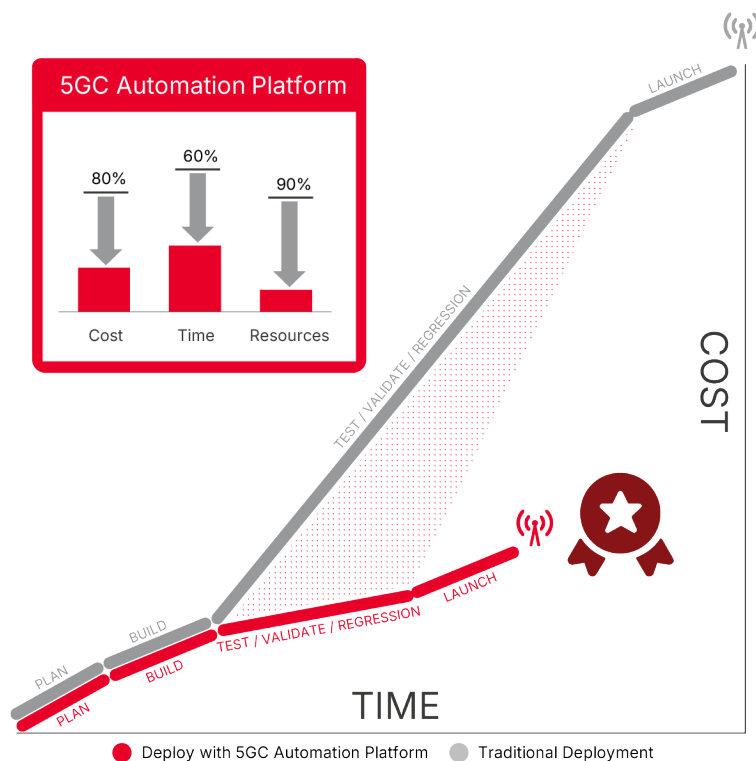


Figure 1. Deployment with Landslide 5G Core Automation vs. traditional deployment

Benefits

- **Save time, money, and resources**
Accelerate time-to-market by 60 percent, while achieving 80 percent savings
- **Gain 5G and security expertise**
Leverage Keysight's 5G expertise, proven test methodologies, and years of experience in global 5G ecosystems
- **Ensure vendor-neutral validation**
Test with confidence to assure 5G core accurately, without vendor bias

Over a two-year period, customers can expect to save approximately **\$4.3 million** in resourcing and test case development and management.

What the 5G Core Automation Platform Includes

- **Test libraries:** Hundreds of test cases built and managed by experts to the latest industry standards and evolving requirements
 - **Compliance:** Verify network function compliance to 3GPP standards including call flows, messages, presence of information elements (IEs) within messages and their values
 - **Capacity and performance:** Start at predetermined levels of load and automatically scale up, to test the capacity and performance of networks and network functions
 - **Security:** Validate network function security, focusing on the control plane, including network slices, while ensuring multi-vendor components are assessed both separately and together
- **Test coverage:** Nodal, adjacency, and end-to-end testing of over 15 nodal functions, including AMF, SMF, UPF, NRF, PCF, and AUSF
- **Automation:** Performance goal seeking, PCAP analysis, DUT validation, customizable reports, and dashboards
- **Services:** Available in standard and customizable packages

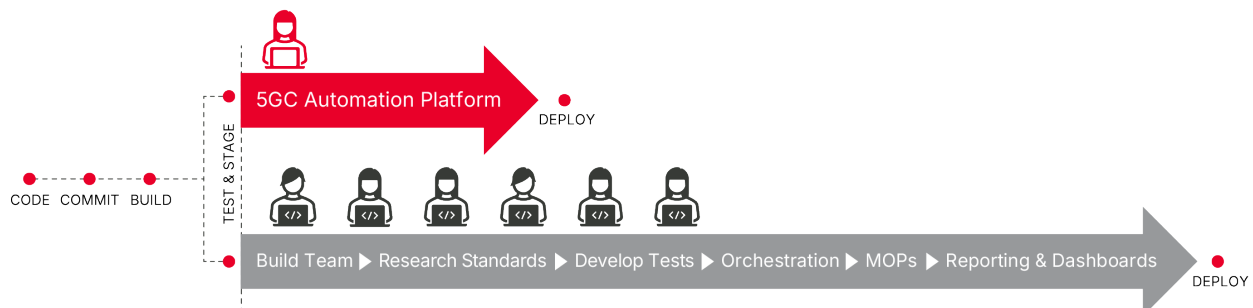


Figure 2. Landslide 5G Core Automation test libraries and coverage

At Keysight, we understand the challenges our customers face and the pressure to be faster, spend less, and reduce risk. Our products, solutions, and services drive operational excellence across the entire lifecycle, from lab environments to live operations, with industry-leading automation, coverage, and analytics capabilities.



Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at www.keysight.com.



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