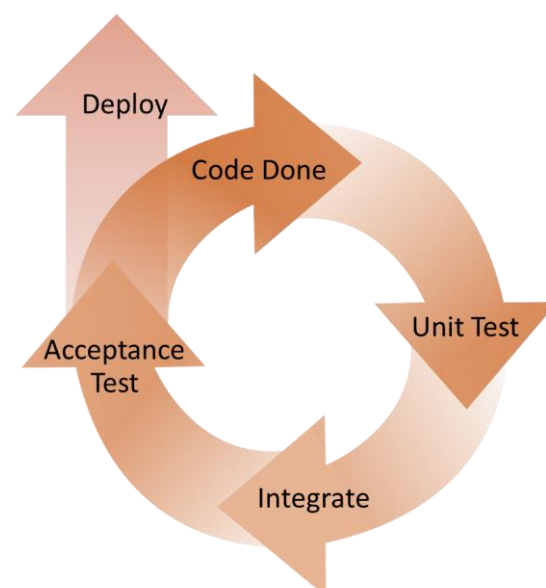


# Test and Validation Services

## ARRIS Global Services

### FEATURES

- **Turnkey Functional and Integration Testing** - Managed service Integration and User Experience testing programs, Solution requirements validations, Web Services testing, API testing, Mobile and Multi-screen testing, STB and CPE integration testing
- **Automated Testing - Functional + Performance & QOE** – User Experience functional validations, Performance & stress testing, QoE validations. STB, mobile and multi-screen
- **CPE + ACS Validation** - Bespoke IOT test approaches for CPE and mobile device validation testing against industry standards (e.g. TR-069) and customer-specific ACS applications and services.



### SERVICES OVERVIEW

ARRIS's comprehensive Test and Validation Services span the technical domains of ARRIS, including IP Video, Networks, Wi-Fi, CPE Systems Integration, CPE management, Mobile and more. Our experienced test engineering experts have executed hundreds of successful testing projects for service providers. ARRIS delivers proven, best of breed test approaches using customized tools and specialized automation capabilities, never "reinventing the wheel."

**ARRIS's technical expertise and experience in testing video delivery, broadband and CPE integration programs makes us the first choice for integration testing, user experience, and performance testing of your solutions.**

ARRIS adheres to international best practice standards in our testing programs, such as ISTQB/ASTQB and ITIL.

ARRIS testing programs are flexibly managed under lifecycle models that align with our customers: DevOps, Agile, Scrum, and development models, enabling our customers to effectively mitigate risk in migrations and launches.

**QUALITY ENGINEERING SERVICES**

Functional Testing	Solutions Integration Testing	CPE Systems Integration Testing	Automation and Performance Testing
Complete software test coverage from the requirement stage, ensuring reduced defect rates and lower cost of poor quality.	Complete Solutions test coverage of integrated solutions, from architectural requirements to production validation.	Validation of CPE Firmware integration and management, including interoperability with ACS management solutions.	Functional Automation of User Experience testing for STBs, Mobile and Multi-screen. QoE Validations. Performance and Stress testing of IPTV, CloudDVR services, and more

**TESTING DOMAIN EXPERTISE**

IP Video	Networks & Public Wi-Fi	Broadband CPE / ACS	Mobile / Multi-Screen
<p><b>STB:</b> functional, performance, QoE</p> <p><b>Cloud DVR:</b> functional and performance</p> <p><b>Mobile, Multi-screen and DRM:</b> functional, performance, QoE</p> <p><b>Content Prep and Management</b> Ingest, Processing, VOD, PPV,</p> <p><b>Ad-Insertion</b></p>	<p><b>Public Wi-Fi:</b> AAA portals and backend integrations, AP configuration management, site validations</p> <p><b>DOCSIS:</b> CMTS integration, DOMS management testing</p> <p><b>Network Management:</b> Data mining, network data visualization testing</p>	<p><b>DSL CPE:</b> Broadband Forums standards compliance (TR-069, OD-128, BBF.069) testing</p> <p><b>DOCSIS CPE:</b> DOCSIS 3.1 compliance testing RDK-B FW integration testing</p> <p><b>ACS IOT:</b> Validations for compliance with ARRIS ECO and EDGE CPE management solutions</p>	<p><b>Mobile:</b> Android / iOS / Windows Phone</p> <p><b>OTT Devices:</b> Android TV, Apple TV, FireTV, Roku Smart TVs, Xbox, Playstation</p> <p><b>DRM</b></p>

ARRIS testing expertise spans technical domains to deliver best of breed testing approaches for today's video and broadband services and solutions

**ARRIS TESTING DIFFERENTIATORS**

ARRIS UNIQUE VALUE
Proven technical domain expertise in Video, Broadband, CPE, and Multiscreen
Proven expertise in functional, integration, and performance test strategy, design, and execution
End user and operator focused test approaches
Quality Engineering driven by best practice
Backed by ARRIS test labs and ecosystems



**REAL WORLD EXAMPLES**

Operator Challenge	ARRIS Test and Validation Solution
MSO launching Cloud DVR to millions of subs	Managed Service Testing; functional and non functional test design and execution. End to end integration testing, production validation, performance/KPI
MSO acquiring large new SDV footprint through M&A requires testing of 30+ STB models to roll out new SW	Test consulting; Analyzed, and enhanced the existing test suite. Managed staff augmentation testing cycles to identify showstopper defects prior to launch.
Providing an end to end public Wi-Fi solution.	Managed Service Testing: tested integration third party products, validated customer's functional requirements. Demonstrated solution to customer. Facilitated ATP testing and coordinated with customer test team on sign off.
RDK SI testing. Wi-Fi testing. VoIP testing. STB automation testing. Triage mgmt. Technical Writing	Staff augmentation resources dynamically placed with customer.

**CUSTOMER CARE**

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
- International: +1-678-473-5656

**Note:** Specifications are subject to change without notice. **Copyright Statement:** © 2017-2018 ARRIS Enterprises, LLC. All rights reserved. No part of this publication may be reproduced in any form or by any means or used to make any derivative work (such as translation, transformation, or adaptation) without written permission from ARRIS Enterprises, LLC ("ARRIS"). ARRIS reserves the right to revise this publication and to make changes in content from time to time without obligation on the part of ARRIS to provide notification of such revision or change. ARRIS and the ARRIS logo are registered trademarks of ARRIS Enterprises, LLC. All rights reserved. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks or the names of their products. ARRIS disclaims proprietary interest in the marks and names of others. [www.arris.com](http://www.arris.com)