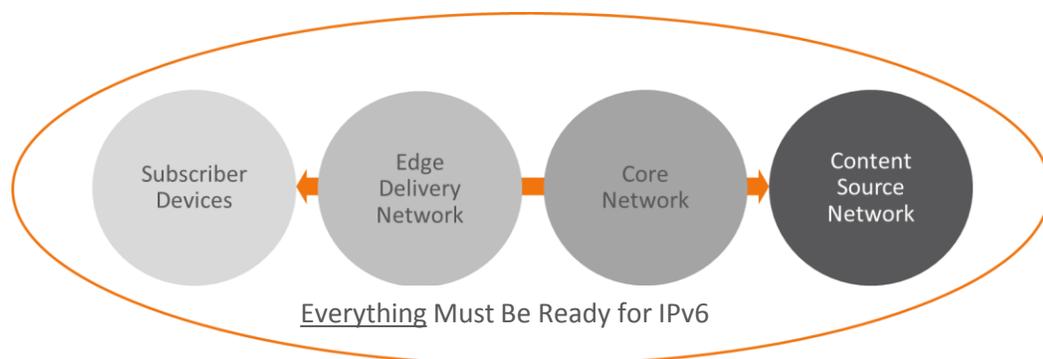


# IPv6 Readiness Program

## Global Services

### SERVICE FEATURE

- IPv6 Consultation
- IPv6 Network Assessment
- IPv6 address design (schema)
- Transition Planning
- Implementation Resourcing
- Quality assurance / compliance verification



### SERVICES OVERVIEW

For network operators and service providers, IPv6 is a critical component of ensuring continued growth of their networks, the internet and access to the services they deliver. Implementation of the IPv6 addressing scheme has been ongoing for several years, with most hardware and software vendors integrating it as a standard feature in their products. Providers and operators need to take action to ensure their networks are ready for full IPv6 adoption. IPv6-only websites and content must work with all current and future customers. However, the reality is that not all network elements are fully IPv6 capable at this time and some significant upgrade gaps remain.

Providers and operators have numerous questions and concerns to consider. If implementation and full compliance are delayed, the future growth and global connectivity of the network will be negatively impacted. Ensuring IPv6-enabled compatibility is critical for retaining universal Internet connectivity for your users, and subscribers, business partners and suppliers. ARRIS Global Services fully understands this task, and has the experience and knowledge of what it takes to realize a fully IPv6-compliant network.

The IPv6 Readiness Program is typically delivered in two phases. Services include the audit and analysis of the network and creation of the IPv6 Address Design schema, along with project planning and implementation of the work recommended to bring the network to full readiness for IPv6.



ARRIS Global Services offers a flexible approach to IPv6 program services. We can offer a complete program or discrete services that complement operator resources in the areas of Program Management, Engineering and Deployment Services, and Quality Assurance / IPv6 verification

### IPv6 Network Assessment

The first service of the IPv6 Readiness Program is the audit of the networks current IPv6 capabilities and readiness. ARRIS will assess IPv6 capabilities and analyze the information gathered, to develop a findings and recommendations report.

The report generated will address the four areas of the network, and identify the elements, devices, or systems requiring reconfiguration, upgrade, or replacement. Additionally, current address management practices, and any policies that filter on an IP address will be analyzed, including include routing, summarization, and security policies.

A benefit of the assessment is the evaluation of the level of IPv6 technical knowledge of the various employees in the workforce, which allows the operator to make plans for the development and/or training they will need to support IPv6 implementation.

### IPv6 Consultation

The ARRIS IPv6 Consultation Service is based on our insights, and our collective professional expertise and judgment regarding best practices in networking, services, and the implementation of IPv6. This service will help organize the approach to a complex initiative, and help establish the High Level, strategic objectives for the migration to the IPv6 ready / compliant network.

ARRIS will consult with the operator via a series of meetings, to develop a systematic understanding of their network requirements. The service will include reviews of technical and business requirements for various network areas, and their abilities to support the growth of the network and services with IPv6.

The end goal of the service is to provide the guidance for the network operator key decision makers and a high level roadmap of projects (services, solutions / products) to facilitate these strategic objectives

### IPv6 Address Design (Schema)

Many IPv6 projects fail when the original IPv6 address design is found to be inadequate, and are reworked more than once. Shortsighted designs can also burden the network with expensive operational changes for many years to come.

With a network-wide migration/deployment, the IPv6 address design must be established for use in the planning stage. ARRIS Global Services will create the design with efficiency and simplicity, while also designing for scale and for the future.

### Transition Planning

Utilizing the findings and recommendations report, along with an approved IPv6 schema, ARRIS Project Managers will work to create a scope and timelines for IPv6 transition / migration / implementation.

### Implementation Resourcing

ARRIS Global Services has a skilled workforce, ready to implement the IPv6 transition / migration / implementation. ARRIS Deployment Services ensure that right skilled and knowledgeable resources is executing at the most efficient level while reducing risk, and realizing a faster time to completion for the network.

### Quality Assurance/ IPv6 Verification

Quality is of the utmost importance with any program. For the IPv6 program, standards and verification metrics are defined up front. ARRIS constantly monitors the completed work against these control documents to ensure they meet specifications. Corrective actions are implemented where needed. Reports are documented and reviewed regularly as part of the Quality Assurance program.

## CUSTOMER CARE

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