

DAC Network IP Redeployment Services

ARRIS Global Services

SERVICE ADVANTAGES:

Expert, efficient integration

- The ARRIS expertise in the development and deployment of broadband and digital video technologies allows operators to enjoy programmatic redeployment of IP addresses with minimal interruption of service and billing

Proven experience

- In addition to 75 years of video networking leadership, the ARRIS expert knowledge, experience, and proven methodology and track record in managing broadband video networks provide peace of mind

SERVICE BENEFITS:

Improved management

- Deploying standard IP addresses creates uniform and manageable IP networks

Reduced costs

- Standards-based networks cost less to operate and maintain

Scalability

- Operators can leverage economies of scale by using industry standards-based IP addresses

Reliability

- Use of standards provides reliable machine-to-machine communications



SERVICE OVERVIEW:

The ARRIS DAC Network IP Redeployment Services enable broadband services operators to enhance the interoperability and scalability of their network by leveraging standards-based IP addressing.

As broadband services operators expand the services and capabilities they deliver, interoperable and extensible machine-to-machine communications becomes essential for the operation of the network. Services such as video-on-demand, ad insertion, local content, emergency alerts, high-speed data, and voice all depend on network equipment that uses standard Internet Protocol (IP) addressing schemes. Some broadband networks, however, use private, non-standard IP addressing. This type of machine-to-machine communications cannot be cost-effectively maintained, scaled, and extended.

Consequently, operators are often required to assign new IP addresses to their network equipment:

- When consolidating Digital Addressable Controllers (DACs)
- When migrating from National Access Control to DAC access control
- When upgrading old network equipment with new routers, switches, and gateways because of acquisitions
- When adding new services with new equipment
- When they desire to improve network management and operations

DAC Network IP Redeployment Services leverage the ARRIS expert knowledge and experience in digital video and broadband network management, ensuring that the deployment of new IP addresses is planned, tested, executed, and validated to the highest standards of professionalism and excellence.

Service Deliverables

Transitioning a network to a standard IP-based addressing scheme with minimal system downtime and greatest cost efficiencies requires the coordinated support of ARRIS personnel and customer headend and network personnel. Based on the assumptions and prerequisites noted below, ARRIS DAC Network IP Redeployment Services customers can expect:

Comprehensive Project Management

An ARRIS Project Manager will coordinate planning and implementation activities from project kick-off through post-launch support:

- Together with the customer's project management team, create and maintain a project plan
- Create a detailed cutover procedure in accordance with the customer's requirements, identifying roles and responsibilities, expectations, and exit criteria
- Track and report weekly on status and action items
- Identify risk items and mitigation strategies

Pre-Transition Readiness

ARRIS personnel will perform all preimplementation planning and configuration:

- Complete a site survey to assess the site's configuration and network topology and identify potential issues
- Draft an ARRIS Network Solutions Plan for the customer's review and approval
- Review the IP addressing scheme for ARRIS equipment deployed on the customer's network
- Configure the Headend Configuration Tool (HCT) or SmartStream Device Manager (SDM) for the new scheme
- On-site, upgrade the boot ROM as required to enable advanced network capabilities of ARRIS devices situated in the same physical location. Note: ARRIS devices located offsite, and third-party equipment, are out of the scope of this service.

IP Redeployment

The ARRIS team will execute all tasks associated with the transition:

- Implement the new addressing scheme on all ARRIS devices installed on the network
- Monitor the new configurations to verify functionality

Acceptance Testing and Follow-Up

ARRIS personnel will conduct acceptance testing and review the results with the customer.

Assumptions and Prerequisites

The following list is not intended to be exhaustive. ARRIS will inform the customer of any additional customer responsibilities necessary for the performance of the service.



Assumptions

ARRIS and the customer will provide a single point of contact for the project.

ARRIS personnel will have the required access to customer resources, including billing and other systems as appropriate, headend components, and Ethernet and fiber transmitters, routers, and switches.

Customer resources will be available on a timely basis.

Issues that are outside the scope of the deliverables described above will be handled through normal escalation methods.

Customer Prerequisites

Provide a list of contacts, including the technical leads, for each critical department

Provide network topology diagrams and the desired IP addressing scheme

Work with ARRIS personnel to determine areas needing improvement

Review and approve the ARRIS Network Solutions Plan

Configure network routers and switches as agreed in the Plan

Provide digital set-top boxes for testing and evaluation of customer impact

ARRIS Global Services Values

Accelerate time to market:

Stay competitive with rapid deployment of new services

Reduce costs:

Contain costs on deployment, integration, and support

Maximize revenue and profits:

Optimize operations, ensure service quality, increase customer loyalty, grow revenue and profit margins

Why ARRIS ?

Multi-technology experience that is unique in the industry:

ARRIS has designed, delivered, and optimized end-to-end network solutions for service providers.

Flexible business model and approach:

ARRIS can build a customized operations solution for virtually any network operations requirement.

World-class support:

ARRIS provides support from committed and highly trained, experienced professionals, complete with state-of-the-art local support centers, test labs, and repair depots.

Voice, Data, and Video Technology leadership:

ARRIS has a wealth of experience and expertise in introducing and operating new technology network systems.

DAC Network IP Redeployment Services

To order these services, contact your sales representative.

ORDERING INFORMATION

Part Number

Description

476666-047-00

DAC Network IP Redeployment Services

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