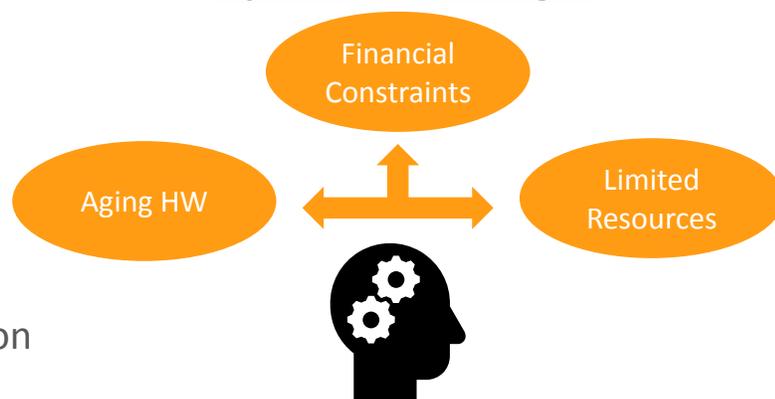**ARRIS**

# National Authorization Service - Regional Access Controller (NAS-RAC)
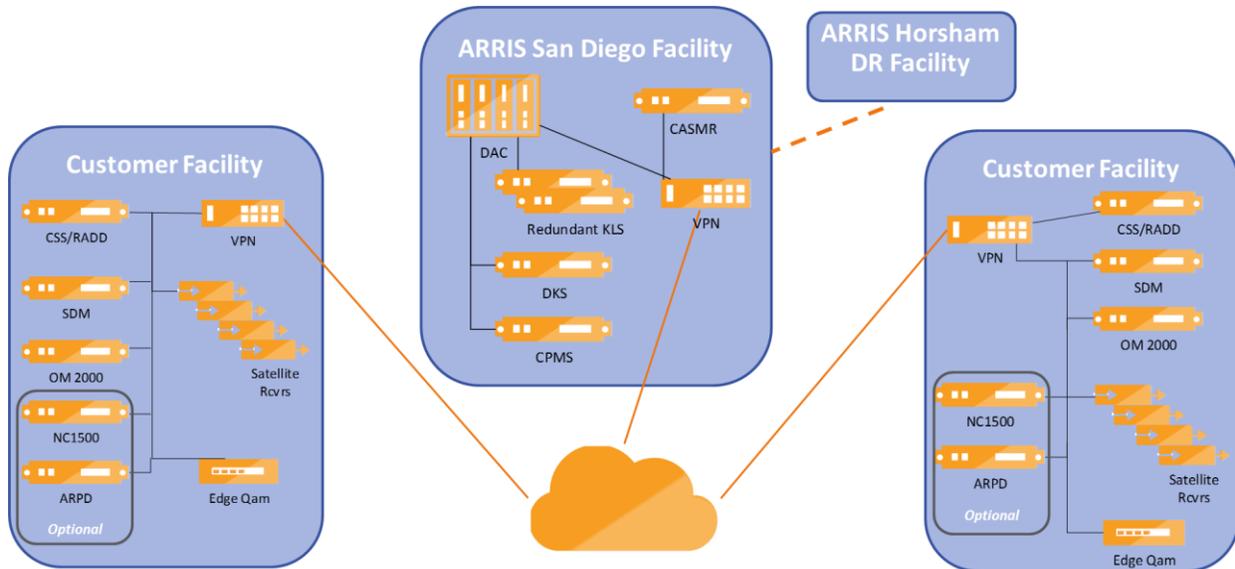## ARRIS Global Services

### SOLUTION HIGHLIGHTS:

- Lower initial costs
- Reduced operational burden
- Offsite disaster recovery
- Track record of successful operation

**Operator Challenges**



### SOLUTION OVERVIEW:

As the leader in video solutions for cable operators, ARRIS strives to address all market requirements. The NAS-RAC System is ARRIS's answer to providing a digital system that is simple, reliable, and economic for cable systems whether converting from QT, QT+, NAS, or an existing deployed Digital Access Controller (DAC). NAS-RAC removes the requirement for the customer to buy the DAC and CASMR and to provide a resource (or resources) to operate and manage the equipment. The NAS-RAC center, located at the ARRIS Satellite Access Control Center in San Diego, CA, offers a state-of-the-art, fully redundant design that delivers set-top and DTA addressability on a shared or dedicated DAC. Operators who choose NAS-RAC invest less capital in their video solution, free up resources to focus on other priorities and no longer have to be concerned with upgrades and system maintenance.

**ARRIS**



ARRIS San Diego Facility

DAC

CASMR

Redundant KLS

VPN

DKS

CPMS

ARRIS Horsham
DR Facility

Customer Facility

CSS/RADD

VPN

SDM

OM 2000

NC1500

Satellite
Rcvrs

ARPD

Edge Qam

*Optional*

Customer Facility

VPN

CSS/RADD

SDM

OM 2000

NC1500

ARPD

Satellite
Rcvrs

*Optional*

Edge Qam

## Four Components of the ARRIS NAS-RAC Solution

### Initial Costs

With NAS-RAC, DAC hardware and other related components are not purchased by the operator. This results in significant savings in initial cost and ongoing costs to continue operations on up-to-date hardware, whether using the NAS-RAC's dedicated or shared DAC.

DTA launches are also more economical. CASMR servers hosted alongside the NAS-RAC DACs further reduce operator investment.

### Reduce Operational Burden

As part of the NAS-RAC service, ARRIS resources provide:

- Service and channel map add/change/delete
- DAC software and hardware maintenance
- Database and System backups
- Safely storing backups

The result is time savings that allow operator staff to focus on other priorities.

Peace of mind can be had knowing ARRIS resources are operating the system and, should the need arise, they have direct access to ARRIS support and engineering.

### Disaster Recover (DR)

The primary system in San Diego has built in redundancy to protect operators from outages. In addition, ARRIS has invested in a fully redundant system in Horsham, PA that can take over operations should the primary system go offline.

### Track Record

NAS-RAC has been providing service since 2004 and is using the same platform that provides service to cable operators small and large. NAS-RAC currently is serving over 120 customers around the world.