

Open Position

Digital Video Headend Engineer, Systems Evaluation

SUMMARY

The Digital Video Headend Engineer, Systems Evaluation is responsible for all headend configuration management and system integration for all SE related initiatives. This individual will work closely with engineers from CableLabs, participating vendors and visiting engineers to ensure that all CableLabs headends have the needed configuration and functionality to support vendor's development efforts and conduct certification testing. The Digital Video Headend Engineer will be responsible for working with the various projects to determine new requirements and work with the headend equipment vendors to come up with solutions and designs to support new capabilities. This individual must be comfortable in a lab environment and have strong problem solving skills to analyze various hardware and software issues.

FUNCTIONS

- Manage all headend configurations that are associated with any and all initiatives such as OpenCable, OCAP, DSG and DOCSIS.
- Work with the various project groups within CableLabs to determine new capabilities needed on the headends to support new development and testing requirements.
- Work with the headend and other equipment vendors to determine, design and document new headend configurations needed to implement new equipment, headend controllers, application servers, support servers. Serve as the main contact to outside vendors who are concerned with headend integration.
- Document and track the detailed configuration for the lab environment.
- Configure and run digital video headend equipment, network equipment, network management equipment and track all software releases for headend controller in support of interoperability and certification events.
- Contribute to the development of headend requirements for supporting all initiatives.
- Contribute to all interoperability and certification events.
- Assist the Communications department with demonstrations and shows as needed.
- Perform other duties as assigned.

OTHER

- Plan for and produce work product of very high quality.
- Set, gain approval for and meet goals and objectives for projects adhering to and making appropriate use of the company's planning, budgeting, accounting, and

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project management systems and policies and procedures (See Employee Handbook) to increase overall efficiency and meet corporate financial goals.

- Make appropriate use of CableLabs safety policies and procedures (See Safety Manual).
- Help other CableLabs departments meet their goals and objectives. Share knowledge and cooperate with other departments. Work well with others.
- Promote and enhance the Company's image.
- Exhibit advanced organizational, communications and interpersonal relations skills. Exercise initiative in areas of responsibility.
- Maintain, update and improve job knowledge.
- Cooperate with other staff to resolve conflicting work assignments for support employees.

REPORTS TO

Director of Laboratories

CONTACTS

Cable company executives and engineers, vendor executives and scientists, CableLabs staff, TAC, industry committees.

QUALIFICATIONS

BSEE, related 4 year degree or demonstrated experience.

Experience with, and extensive knowledge of Hybrid Fiber Coax (HFC), RF, IP networking, various operating systems, switched digital video, digital communications and technology principals.

In depth knowledge and understanding of OpenCable/OCAP architecture.

6-8 years of headend experience preferably Motorola DAC, Scientific Atlanta DNCS, Harmonic and NAS (National Control).

Excellent problem solving, interpersonal, communications and planning skills required. Willing to travel as needed.