



EQUIPMENT QUALIFICATION



HukariAscendent can provide a full range of services supporting an organization's equipment qualification (EQ) program. Our services range from performing focused tasks to authoring and implementing formalized integrated EQ programs. HukariAscendent EQ program support serves a vital role in a nuclear power plant's achievement of safe, reliable, and regulatory responsive performance. HukariAscendent's resource base provides individuals who typically have more than 15 years of specialized experience in providing technical services to nuclear power plants. Our resource base includes technical expertise related to all aspects of plant aging management programs as well as license renewals.

HukariAscendent services feature (1) engineering support to assure thorough and complete information evaluations and related conclusions, (2) technology support including automation development, enabling man-hour savings, faster assessments turnaround, and auditable evaluation reports, and (3) pertinent licensing documentation and regulatory interface assistance.

HukariAscendent's nuclear specialists possess a variety of backgrounds relevant to effective performance of specific EQ tasks. Combined with rigorous project management, HukariAscendent can also provide a systematic, comprehensive EQ Program that can be implemented. The experience of our resource base includes:

- EQ related testing
- Seismic qualification and testing
- Containment penetrations qualification
- EQ program procedures reviews
- Equipment aging management including evaluations of radiation aging, thermal aging, and cyclic aging
- Calculations and modeling in support of newly qualified components
- Revisions to EQ-related maintenance requirements
- Preparation of an EQ program database
- Procurement-related EQ duties including:
 - Commercial grade item dedication
 - Obsolete equipment replacement
 - Equipment equivalency evaluation
 - Surplus equipment refurbishment and dedication
 - Reverse Engineering of existing components to manufacture replacement parts
- EQ requirements conformance reviews
- Reliability engineering
- Equipment condition assessments of expected, potential degradation indicators characteristic of relevant damage mechanisms
- Maintenance engineering and planning
- Periodic Inspection performance
- Commercial nuclear power plant operations

In addition to these technical services, HukariAscendent can provide additional supportive services to help assure success and accelerated implementation for your EQ program to reach full its full potential. These services can include program reviews, oversight, transition management to new equipment introduced to the plant, as well as training of plant staff.