A desire by the Department for Transportation (DfT) to improve the safety and reliability of both liquids and natural gas pipelines has led to recent amendments to 49 CFR parts 192 and 195.

Do you understand how these changes impact your operation?

The DfT has placed a clear emphasis on the need for compliance and has instituted a comprehensive inspection program to support the introduction of these revised regulations. Working with ABB can help you respond effectively to this challenge.

These regulatory changes identify mandatory requirements for CRM in several key areas, including:

- Roles and responsibilities
- Provision of adequate information
- Fatigue mitigation
- Alarm management
- Change management
- Operating experience
- Training
- Compliance validation
- Compliance and deviations

**What we offer**

ABB offers a range of ‘inspection readiness’ and post inspection remediation support services, which include the following:

**Pre-inspection compliance audit**

A comprehensive and independent audit of your current level of compliance with the detailed requirements of the regulation. This structured evaluation is a robust, rapid and cost-effective way of identifying your current levels of compliance, and any areas of potential non-conformance.

**Remediation support**

Our remediation support services are based upon ABB’s experience and proven methodologies to address the range of requirements defined in the standard.

Typical services include:

- Alarm management plan
  - We can help with drafting of an effective alarm management plan or help drive improvement in your current plan to raise the level of compliance
- Fatigue mitigation
  - We can provide procedures and training for controllers and supervisors in fatigue management, and advice on fatigue mitigation measures
- Information robustness
  • Assistance with meeting the requirements of API 1165 for Human Machine Interface (HMI) and Supervisory Control and Data Acquisition (SCADA) displays - procedures and programs of work for SCADA system ‘point-to-point’ verification

- Roles and responsibilities
  • Enhancement of existing management procedures and systems to ensure that controller authority and responsibilities are fully defined for abnormal and emergency conditions as well as normal operations. Support for evaluation and modification of job design, procedures, processes and training to fulfil controller responsibilities

- Change management
  • Integration of CRM requirements into existing Management of Change (MoC) systems

ABB’s wide range of skills in this area can be applied on either a topic by topic basis or as part of a comprehensive overall program, according to need.

Benefits
An increased understanding of any issues and areas for improvement creates opportunities for more effective and reliable operation, with consequent benefits to the bottom line of your operation.

ABB has worked with several clients to improve control room and alarm management. These improvements have yielded annual benefits of up to $500,000 through reduction of unplanned outages and rate restrictions.

Why ABB?
ABB has a wealth of experience gained over many decades with one of the world-class manufacturing organisations of our time in training, assessing and assisting clients improve control room operations across the world. We work with our clients addressing issues of management, technology, documentation, job design and regulatory compliance to deliver programs targeted at improved and sustained system performance. The benefits of these programs deliver improved bottom line business performance.

We also have access to the wealth of experience available in ABB worldwide, consequently we are capable of delivering a complete service, leaving you free for other priorities.