



## **Charter**

### **Industry Reliability Network (IRN)**

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#### **Stakeholders**

Process Sector Users, Equipment and Software Suppliers, Engineering Contractors, Service Providers, and Industry Organizations

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#### **Vision**

Stakeholders join to form a collaborative network to:

- Benchmark current performance of instrumentation and controls in process industry applications.
  - Define a common taxonomy to support consistent collection of quality data from maintenance and proof test activities.
  - Share lessons learned in improving instrumentation and controls reliability.
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#### **Mission**

To share historical information and lessons learned in order to minimize environmental harm, improve industry safety, maximize asset performance and reduce maintenance costs through better lifecycle management of instrumentation and controls applied in the process industry.

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#### **Organization**

**Membership:** Members should be recognized by their affiliated company as having the capacity to represent company philosophy, processes and needs.

**Meeting Intervals:** Three per year: two teleconferences and one face-to-face for a specified meeting time to be determined depending on defined deliverables, e.g., setting goals and/or monitoring progress.

**Meeting Logistics:** Responsibility of MKOPSC and network chair

**Interim Communications:** New issues or priorities between teleconferences will be discussed via email. Additional teleconferences will be scheduled if warranted.

**Goals and priorities:** Priorities will be established based on results of industry surveys and workshops.

#### **Initial Network Efforts:**

- One-day symposium track at the Instrumentation Symposium
- Facilitate development of standard work processes for exchanging data
- Collect high quality event data for selected instrumentation and controls
- Support stakeholders in selling instrument reliability as value-added to management

## Industry Standards and Guidance

- OSHA General Mechanical Integrity Clause
  - OSHA 1910.119 (j)(5)—Deficiency Management
  - OSHA 1910.119(j)(6)—Quality Assurance
  - IEC61511/ISA84.00.01—Functional Safety; Safety Instrumented Systems for the Process Safety Sector
    - Clause 5.2.5.2—validation of design performance vs. safety requirement specification
    - Clause 11.5.3.1—evidence that components are suitable for use in the Safety Instrumented System
    - Clause 16.3.1.5—the maintenance function capture of performance data
  - ISA84.91.01—Identification and Mechanical Integrity of Instrumented Safety Functions in the Process Industry
  - API RP 75—Safety and Environmental Management
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## Term of Network

Permanent

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## Sponsored Sub-Networks

- A Technical Network
- A Business Network

The **Technical Network** will be responsible for data design and configuration management including but not limited to: data/documentation interchange and integrity of the master data repository, data quality management and consistency including capture of data from owner inspections/tests and outsourced contractor inspections/test which will allow data to be shared with other industry databases.

The **Business Network** will be responsible for development and maintenance of the work processes necessary to support the technical aspects including defining metrics and key performance indicators.

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