



Collect. Verify. Connect.

2015 Pipeline Safety Operator Training

ISN

April 15, 2015

Agenda

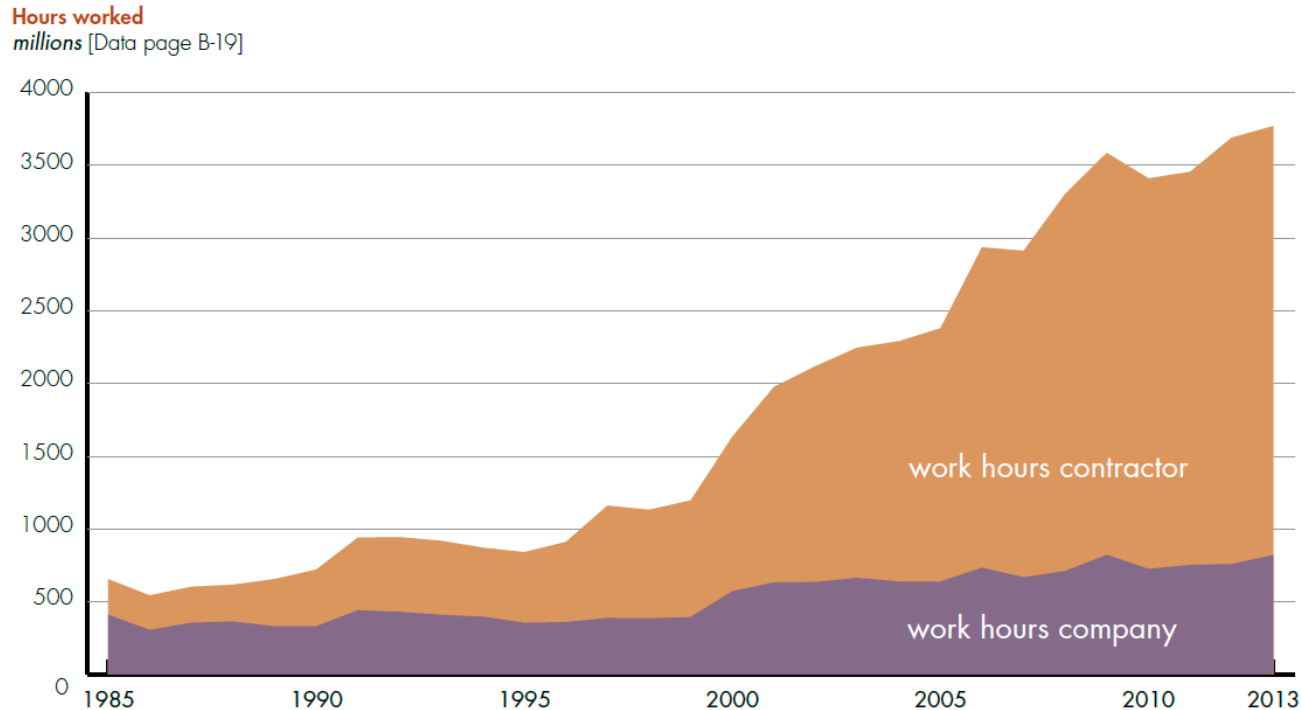
- I. Contractor Management Trends
- II. ISN Process
- III. Operator Qualifications (OQ) in ISNetworld
- IV. Quick Facts
- V. ISN Events
- VI. Contact Information

Contractor Management Industry Trends



A Growing Industry Trend

- Global outsourcing of non-core business activities ⁽¹⁾



- 60% - 70% of total work hours completed by contractors
- Contractors / subcontractors have higher incident rates

(1) International Association of Oil and Gas Producers <http://www.ogp.org.uk/pubs/2013s.pdf>

Opportunity and Challenge

- Increasing contractor management leads to positive trends for safety
 - Better specialization, skill and equipment
 - Enables safe and sustainable operations
- Prime duty for safe operations and environmental stewardship lies with the owner organization
 - Robust strategy needed
 - Better risk mitigation

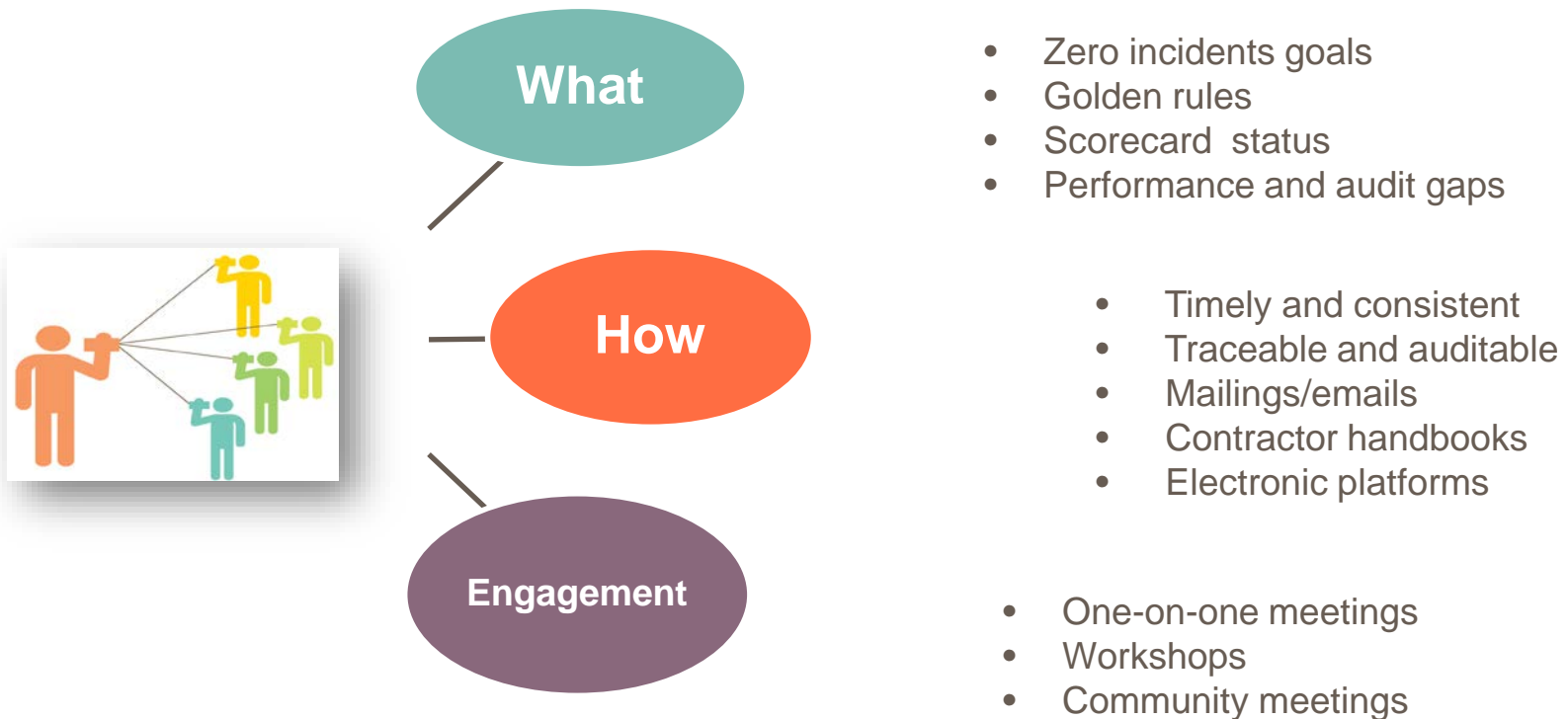


10 Strategic Elements

1. Establish a clear communication strategy
2. Designed to measure performance
3. Incorporate a risk-ranking process
4. Follow a three-step due-diligence process
5. Maintain a qualified contractor list
6. Establish consequences and an exit strategy
7. Address subcontractor management
8. Follow standardized and transparent guidelines
9. Are integrated with internal business processes
10. Leverage technology

1. Establish a Clear Communication Strategy

- A well thought out plan for both **internal** and **external** communication
 - 99%: U.S. enterprises in the Construction Industry with fewer than 100 employees. [US Census](#)



2. Designed to Measure Performance

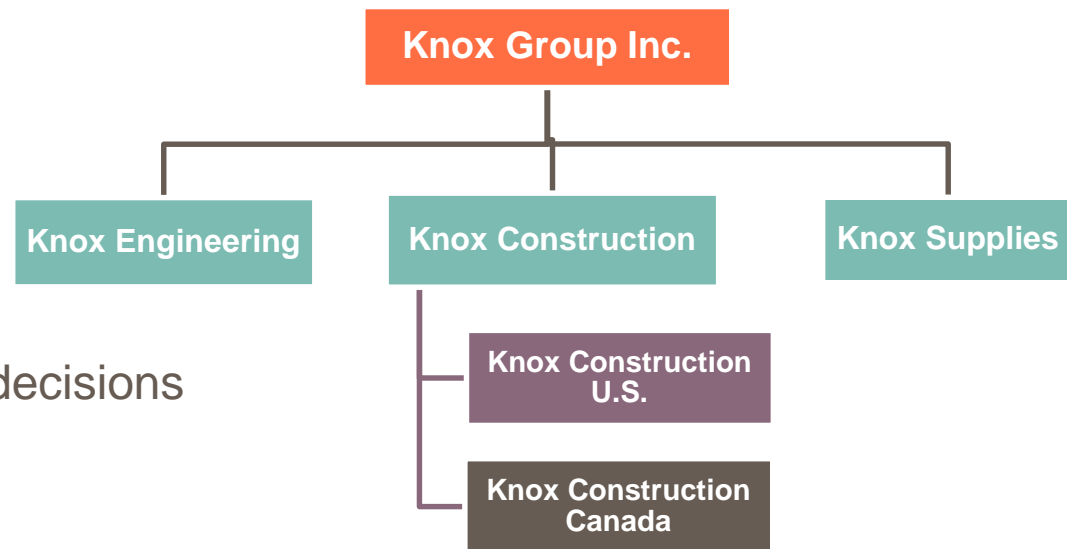
- If it **matters**, **measure** it
- Use both lagging and leading metrics
- Examples of relevant performance data
 - Contractor work hours
 - Quarterly and annual incident rates
 - Post job evaluation feedback
 - Audit and Inspection action items
 - Status of certificates of insurance



2. Designed to Measure Performance (continued)

A. Visibility

- Match KPIs with specific contracting company entities



B. Timeliness

- Obsession for data driven decisions
- Electronic vs. paper

3. Incorporate a Risk-Ranking Process

- Contractors come in various sizes, capabilities, risk profiles
- Classify risks according to pre-set criteria and matrix
 - Potential adverse consequences
 - Frequency, duration and / or scope of work
 - High, Medium, Low
- Re-evaluate / adjust contractor risk periodically

3. Contractor Risk Matrix - Example

Risk Screening Matrix

JOB FUNCTION	Green – Job function/work location criteria DO NOT FALL into Contractor Management System (CMS)			
	Blue – Job function/work location criteria DO FALL into CMS			
rep. (Inspector, Consultant, etc)				
Manual labor				
Technician/ Supervisor				
Clerical/ Administrative				
Office cleaning, delivery person, vending machine, etc				
WORK LOCATION	Offsite, Contractor Shop	Office	Construction, Manufacturing, Storage	Drilling, Production, Plant, Compressor, Pipeline, Seismic

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4. Utilize a Three-Step Due-Diligence Process



- 1** Management System Questionnaire (MSQ), Insurance, Certificates/Letters, Training
- 2** Desktop HSE program review, Statistical verification, Insurance screening, Certificate validation, Citation/Prosecutions, Training documentation verification
- 3** 3rd Party and Owner/Operator Audits shared by Owner companies

5. Maintain a Qualified Contractor List

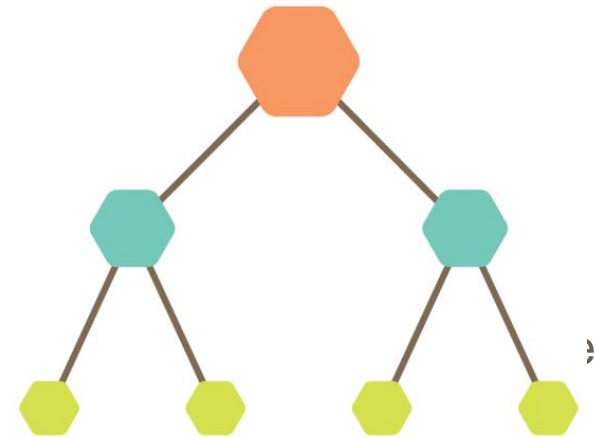
- Proactive, structured process for finding, qualifying, onboarding, monitoring, and terminating contractors
- Enhances procurement integrity
- Builds stronger and lasting partnerships with contractors

6. Establish Consequences and an Exit Strategy

- Establish, communicate and enforce consequences for non-compliant contractors
- Develop contracts and agreements carefully
- Eliminate time / effort required to manage bottom performers
- Fewer, better service providers

7. Address Subcontractor Management

- Contractors with logos you don't recognize on your jobsite?
- Subcontractors have a higher likelihood of incidents
- Best practice approaches:
 1. Subs qualified / monitored to same standards as general contractor
 2. General contractor required to same level of rigor for qualifying subs

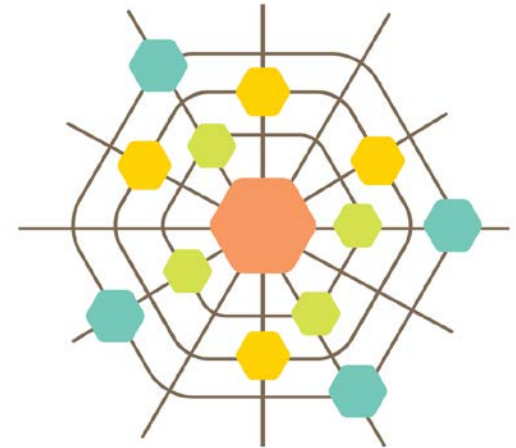


8. Follow Standardized and Transparent Guidelines

- Consistency and transparency is a common challenge
- Utilize a single, well organized database
- Improves procurement transparency
- Minimize duplication and inefficiencies

9. Integrated with Internal Business Processes

- Contractor management as an integral part of the complete business processes
- Goal: to drive end-to-end risk management
- Examples of contractor Key Performance integration:
 - Purchase orders issued only to qualified contractors
 - Site entry ID badges tied to contractor approval status



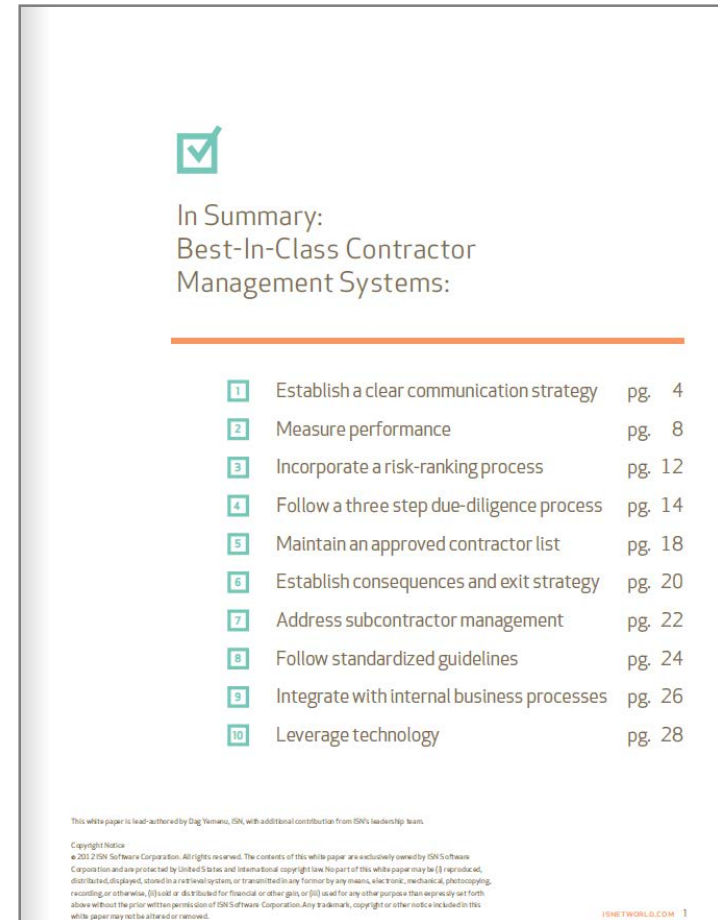
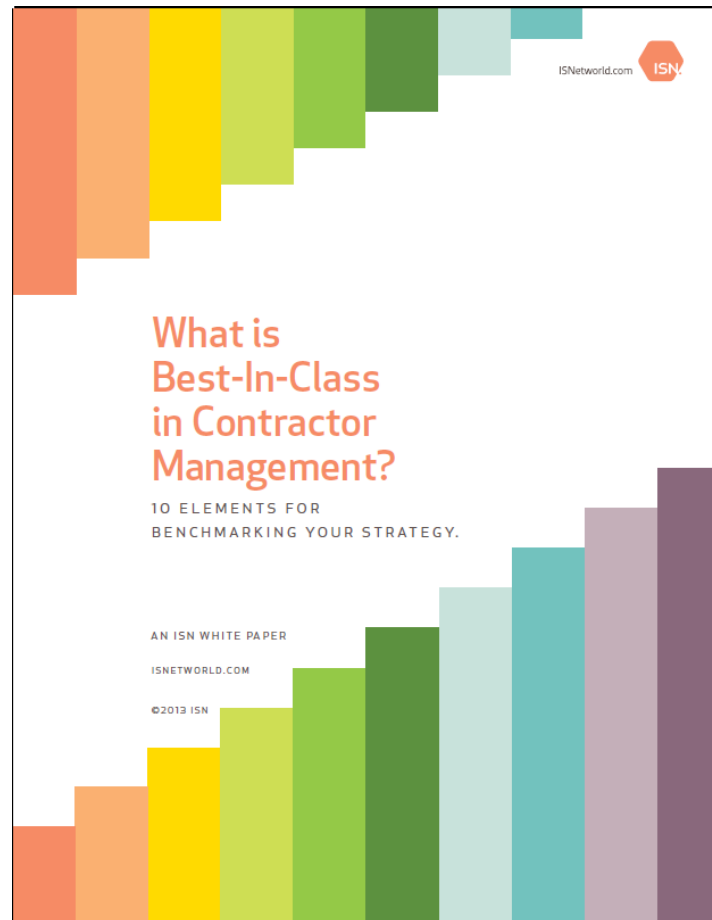
10. Leverage Technology

- Without technology / automation, contractor management can become laborious, inefficient and disorganized
- 59% of best-in-class organisations use technology to enhance HSE performance⁽²⁾
- Use of Internet and specialized management tools
 - Collect and share information in a secure and efficient environment
 - Reduce duplication and administrative cost



(2) <http://www.aberdeen.com/Aberdeen-Library/6991/RA-environment-health-safety.aspx>

Resource: White Paper on Best-in-Class Contractor Management



Request Whitepaper at : <http://www.isnetworld.com/ContractorManagement>

ISNetwork Process – Collect. Verify. Connect.

1. Self-Reported Information



**Joe's
WELDING**

Levels of Information

- Company
- Project
- Individual

+

2. Verified Information

ISN Review & Verification Services (RAVS)

- Written Programs
- Injury & Illness Records
- EMR
- Citation/Prosecution Search
- Training
- Insurance
- Workers' Comp Clearance & Rates



Hiring Client

- Post Job Evaluation
- Field Feedback
- Working Relationship
- Competency Assessments
- Contracts/Agreements

3rd Party (Data Providers)

- On-Site Inspections
- D&A & Background Checks
- Operator Qualifications (OQ)
- Training

=

3. Configurable Hiring Client Grading



Status: A



Weyerhaeuser

Status: B



Status: B



Bristol-Myers Squibb

Status: A



United States Steel Corporation

Status: A-Prequalified

ISN in Numbers

75+

Countries with
ISN Customers

450+

Employees

950+

Years of HSE and
Insurance/Risk Management
Experience



ISN Offices

Dallas • Calgary • Sydney • London • Los Angeles • New York • Toronto



Contractor/Supplier Benefits



CONTRACTOR ASSISTANCE

Contractors stay informed with a To-Do List, email reminders, in-person meetings and unlimited, toll-free help desk support.



REVIEW AND VERIFICATION SERVICES (RAVS)

RAVS provides resources and informational videos to assist contractors in the development and implementation of effective health, safety, environmental and sustainability programs.



CONTRACTOR WEBSITE BUILDER AND MARKETING EXPOSURE

In addition to a company profile searchable by ISNetworld Hiring Clients, contractors have the ability to easily create their own website hosted by ISN to increase online visibility.



BENCHMARKING

ISN publishes a collection of benchmarking publications that allow contractors to measure their health and safety data against their industry peers, gauge their performance and drive improvement.



QUESTIONNAIRE

A standard questionnaire reduces administrative burden by eliminating duplicative work.



INSURANCE AGENT/ BROKER TOOL

Provides a searchable database of registered insurance agents and brokers who can upload insurance and Experience Modifier documents directly into ISNetworld on behalf of contractors.



ONLINE TRAINING TOOL

Site orientation/induction videos are posted to allow contractor employees to complete required training before starting a job, saving time and resources on site.



SMARTLOG

A decision tree assists contractors with classifying incidents and near misses to create OSHA and incident forms.



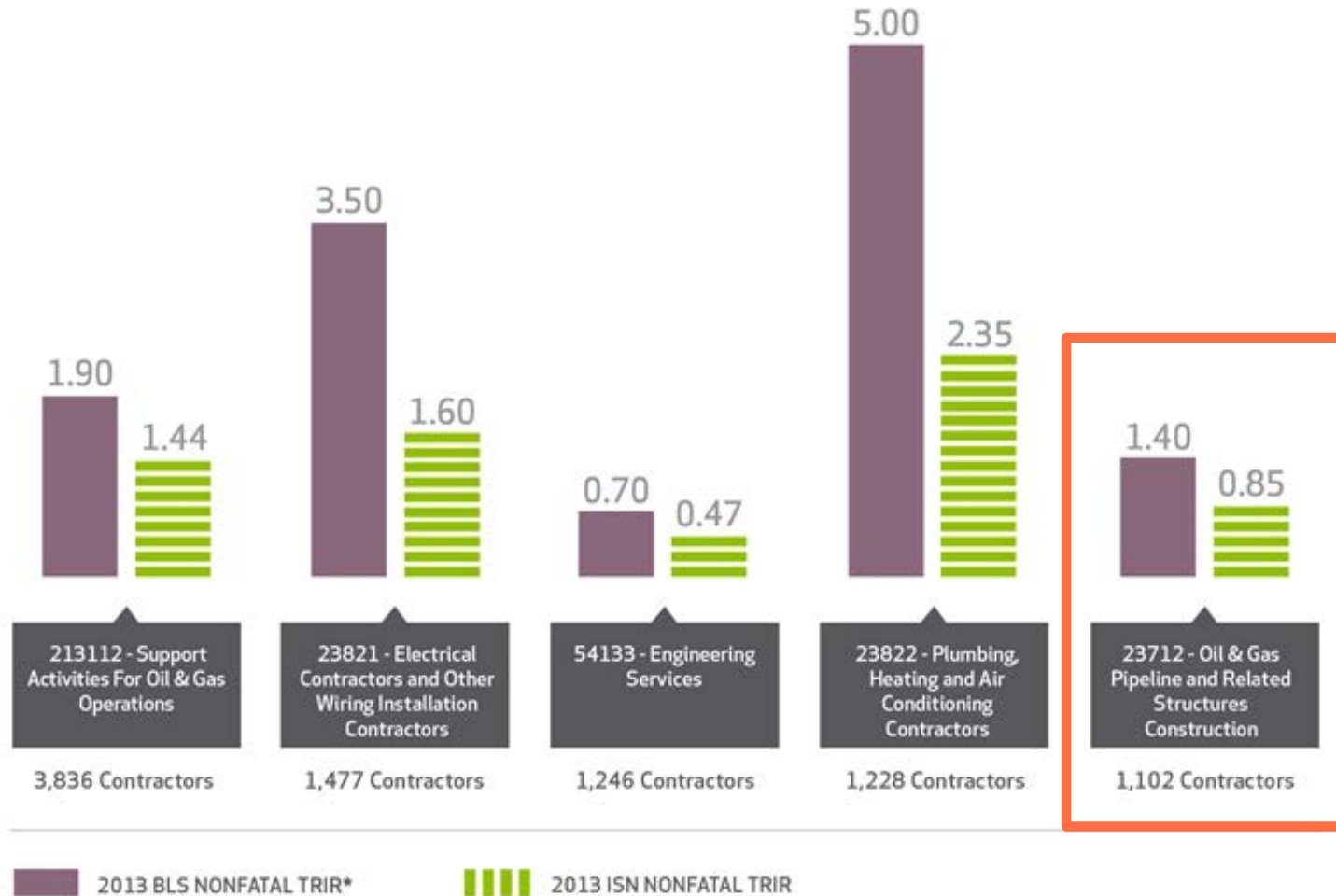
TRAINING MANAGER

A customizable tool that allows contractors to manage in-house training records specific to their company.

The Results

ISN US Contractors vs. BLS 2013 Nonfatal TRIR Rate Comparison

All Industries, Most Frequent NAICS Code in ISN



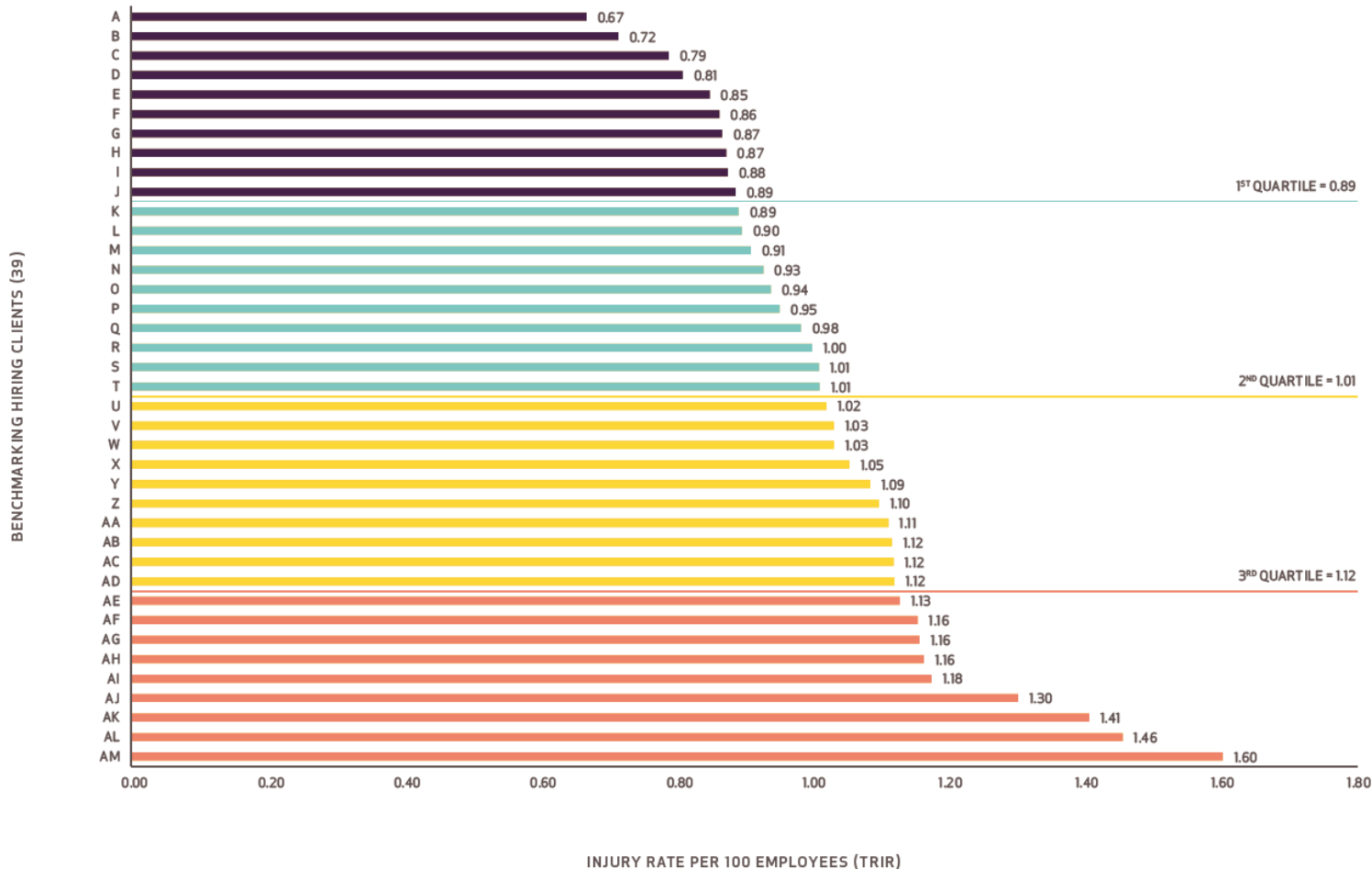
North American Industry Classification System (NAICS) Name and Number of Contractors/Suppliers

*Bureau of Labor Statistics for 2013: <http://www.bls.gov/iif/oshwc/osh/os/ostb3958.pdf>

2013 Peer Benchmarking Report – Hiring Clients

Section 3.1

Total Recordable Incident Rate (TRIR)



The 2013 Benchmarking Report was created by ISNetwork to compare Pipeline Hiring Clients to their peer companies in the Midstream Oil & Gas (Pipeline) industry.



ISN Benchmarking Report – Contractors

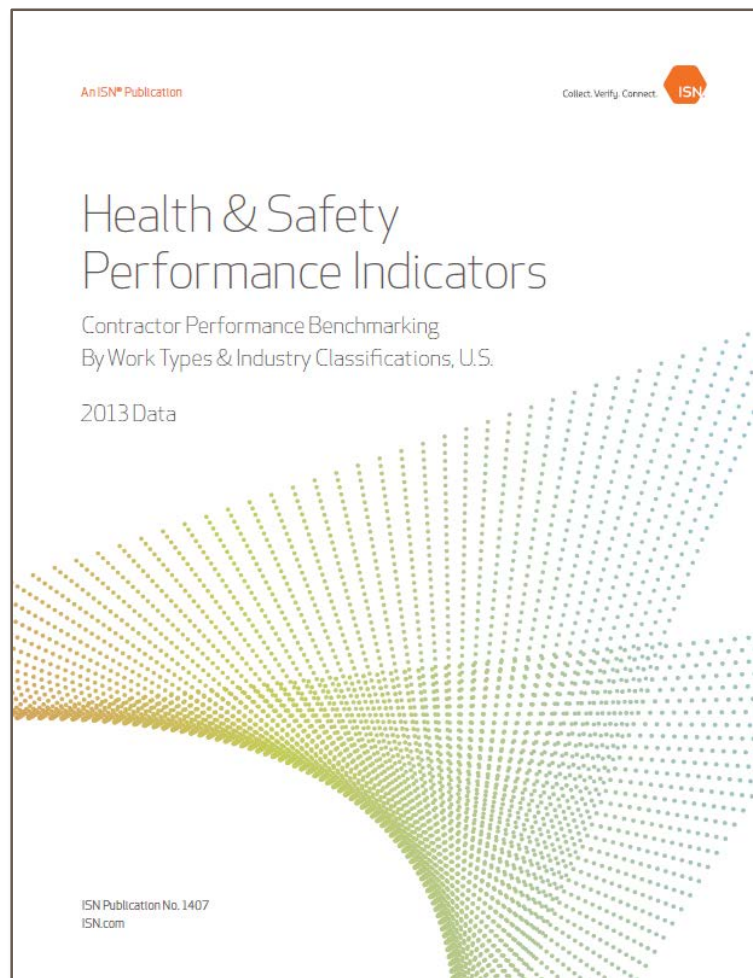


Table of Contents

About ISN	1
Preface	3
Table 1: 2013 Injury and Illness Rates by North American Industry Classification System (NAICS) Code	5
Table 2: 2013 Injury and Illness Rates by ISN Work Type	25
Appendix I: Definitions	62
Appendix II: Incident Rate Calculations	63
Appendix III: Analysis Procedures Summary	66
Additional ISN Publications	69

Disclaimer

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Operator Qualifications (OQ)



Operator Qualifications Process in ISNetwork

1. Hiring Client Determines OQ Covered Task List

Hiring Client: Determines acceptable qualifications and data providers



Task: Pipeline Repairs

- ☒ Hot Tapping
- ☒ Welding
- ☒ Installation
- ☒ Replacement

2. Contractor Inputs OQ Data Provider IDs

Contractor: Inputs employee data into ISNetwork

Data Provider: Sends employee qualifications to ISNetwork via automatic data feed



Qualification Methods

- ☒ Client Specific
- ☒ 3rd Party Data Providers

3. Hiring Client Monitors Compliance



Reporting Capabilities



Continuous Employee Evaluation



Notifications

OQ Covered Task List

Task List Management

- Task Number
- Task Name
- Qualification Methods
- Expiration Periods

140 Total Records

Page 1 2 3

	Task Code	Task Name	Type	Details
	0.0	Recognition and appropriate response to Abnormal Operating Conditions	(LG)	
	1.1	Measure structure-to-soil potentials	(LG)	
	1.2	Conduct Close Interval Surveys (1 to 3)	(LG)	

Data Provider	Qualification Method	Type	Year End Expiration	Status	Renewal Months	Init / Sub	Class
NCCER	66102-02 (Liquid Pipeline General Abnormal Operating Conditions) - NCCER Contren Learning Series	AW		Active	36	Both	V
OQSG	CT01 (Conducting Annual Cathodic Protection Surveys) - OQSG - Performance	P		Active	36	Both	V
NACE	A03 (Senior Corrosion Technologist) - NACE	W		Active	36	Both	V
Energy Worldnet	13051 - EWN-CBT-Abnormal Operating Conditions: Gas AOCs - ENERGY worldnet - Written	A		Active	36	Both	V
NCCER	PV012 (PV012) - NCCER Performance Verifications	P		Active	36	Both	V
NACE	A04 (Corrosion Technician) - NACE	W		Active	36	Both	V
NCCER	67107-02 (Abnormal Operating Conditions) - NCCER Contren Learning Series	AW		Active	36	Both	V
NACE	CP2 (CP Technician) - NACE	PW		Active	36	Both	V
NACE	A03 (Senior Corrosion Technologist) - NACE	W		Active	36	Both	V
Energy Worldnet	13051 - EWN-CBT-Abnormal Operating Conditions: Gas AOCs - ENERGY worldnet - Written	A		Active	36	Both	V
NACE	CP1 (CP Tester) - NACE	PW		Active	36	Both	V
NACE	CP3 (CP Technologist) - NACE	PW		Active	36	Both	V
NCCER	66102-02 (Liquid Pipeline General Abnormal Operating Conditions) - NCCER Contren Learning Series	AW		Active	36	Both	V
NACE	CP1 (CP Tester) - NACE	PW		Active	36	Both	V

Current OQ Data Providers

Hiring Clients can use current OQ data providers listed below or sponsor new data provider relationships.



Click [here](#) to view the current list of ISNetwork Data Providers




Employee Quick Check


Search

Results

+ Edit Data Provider Selection




Allen, Carl
ISN ID: ISN-00367002



Select Data Category
Operator Qualification (OQ) ▼

Select 3rd Party Data
NCCER ▼
Select Type
Assessments ▼

NCCER ID: Data connects to the employee by SSN/ISN ID

 [Read me first](#)

125 Total Records Page 1 23456789 < >

Assessment	Subject Area	Date	Points Possible	Overall Status	Subject Area Status	Overall Cut Score
AOCFG - Abnormal Operating Conditions - Field	Abnormal Operating Conditions - Field Operations (Liquid and Gas)	02/15/2011	100	Passed	Passed	95
AOCFG - Abnormal Operating Conditions - Field	Abnormal Operating Conditions - Field Operations (Liquid and Gas)	02/15/2011	100	Passed	Passed	80
AOCF - Abnormal Operating Conditions - General Pipeline V2	Abnormal Operating Conditions (General)	02/13/2008	40	Passed	Passed	70
AOCG - Abnormal Operating Conditions - Gas	Abnormal Operating Conditions (Gas)	08/23/2007	40	Passed	Passed	70

Viewing an OQ Report

ISNetworld OQ Report



Collect. Verify. Connect.

McKinney Enterprises

Project Site: Allentown - Texas City - Tool Check-Out (JS-5)

Report Date: 07/22/2014 2:13 PM (Central Daylight Time)

Report Run By: Alan McAfee

Form ID: 128708-OQ-1525067B



Allen, Carl
Knox Construction Inc. (ISN-00367002)

Print

Email OQ Report

Ability to Print and Email
any Generated OQ
Report

Task	Qualification Method	Type	Evaluation Date	Expiration Date	Class
1.1 - Measure structure-to-soil potentials	ISN Enterprises - 1.1 - Measure Structure-to-Soil Potentials	PW	12/18/2012	12/18/2015	V
1.1 - Measure structure-to-soil potentials	ISN Enterprises - 0.0 - McKinney AOCs	A	4/8/2014	4/8/2017	V
1.3 - Test to detect interference (Span of Control: 1 to 16)	ISN Enterprises - 1.3 - Test to detect interference	PW	6/7/2012	6/7/2015	V
1.3 - Test to detect interference	ISN Enterprises - 0.0 - McKinney AOCs	A	4/8/2014	4/8/2017	V
27.3 - Perform Inspection on In-service and Out-of-service Break-out Tanks per API 653	API - 653 - 653	PW	10/31/2011	10/31/2014	V

Expiration set
by the Client

Designates type of
qualification



Browsing OQ Reports

1. My Contractors

2. Document Center

3. Project Manager

Project Setup

Job Bids

Site Tracker

OQ Setup

OQ Reports

Browse OQ Reports

OQ Statistics

Project Report

Browse OQ Reports

Search Results Details

6 Total Records Page 1

Employee	JS#	Project	Report Date	Report Number	Latest Report	Archived Reports	Deficiency Report	View New Report	Attached Documents
Acosta, Raul - 01359794	JS-16213	Henderson Demolition	07/08/2014 11:22 AM	128708-AO-408AFB13					
Allen, Carl - 00367002	JS-15472	Central Coast - Locating a Line	07/22/2014 2:14 PM	128708-AO-6B09A9FD					
Beckman, Andrea - 00892774	JS-5	Allentown - Texas City - Tool Check-Out	07/08/2014 11:22 PM	128708-AO-8B790831					
Brown, Steve - 00892776	JS-5	Allentown - Texas City - Tool Check-Out	04/04/2014 10:47 AM	128708-AO-6C98BBF0					

Runs new/live report

Allows Client to run deficiency report based on tasks needed

View latest generated OQ report

View all-time list of OQ reports generated

Mobile Site

- Works on all mobile devices with internet access
 - iPhone, Android, Blackberry, Windows Phone
- Mobile site does not require download or reinstallation
- Ability to quickly view/search for information on contractors, check ISN Messages, etc.
- ISN Mobile Tools:
 - Browse OQ Reports
 - Bulletin Board
 - Dashboard
 - Evaluation Reports
 - Messages
 - Contractor Search
 - QuickCheck



Quick Facts



Statistics – February 2015

78

Number of Active Task Lists in ISNetwork

2,472

Number of Contractor Companies Who Have Current OQ Reports

172,085

Number of Current Qualifications

361,814

Number of Current OQ Reports Submitted

950,000,000+

Number of Qualifications housed in ISN



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