

# IADC ART DCS Subcommittee Alarm Work Group



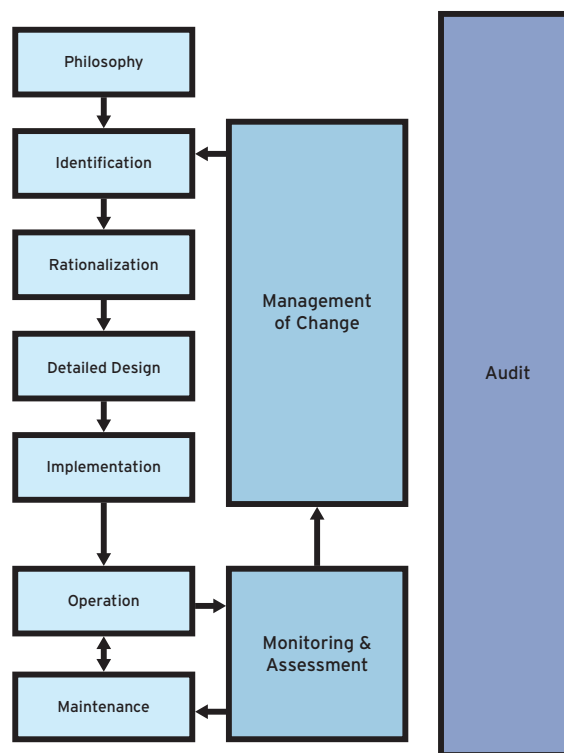
The IADC Alarm Work Group is developing guidelines for managing Drilling Control Alarm Systems. As envisioned, the guidelines will focus on actions by role in the systems of today and tomorrow. Alarm philosophy, rationalization, operation and management of change will be included. These alarm guidelines, the first for the global drilling industry, draws on global and local standards (ISA, IEC, etc), the IADC KSAs, and lessons from our own and other industries.

## OBJECTIVE:

- Review existing standards and best practices to extract actionable lessons of relevance for Drilling Control Alarm Systems, with the end goal of identifying the methodology of applying this standard to a DCS.

## SPECIFIC AREAS OF FOCUS:

- Guidance on developing an Alarm Management Philosophy for a drilling control system.
- Guidance on the content of the Master Alarm List covering Cause, Effect and Action should exist for each unique Alarm System.
- Alarm Systems may incorporate multiple alarm priorities and multiple users.
  - Driller;
  - Maintenance;
  - Rig Manager, etc.
- Alarm Rationalization is a useful common process that contractors can use to right fit their alarm systems.
- The Alarm Management of Change process should align with the drilling contractors existing MoC process.
- We will recommend a set of documentation and responsibilities for managing Alarm System changes.



ISA 18 Alarm Common Process

## GET INVOLVED:

- Seeking additional contractor participation
- [art\\_committee@iadc.org](mailto:art_committee@iadc.org)



WORK PLAN 2016-2017:	
January 2016 - June 2016	Draft guidelines
September 2016	Convene workshop to review guidelines (The workshop is not focusing on Design, HMI or Ergonomics.)
September 2016	Roll out recommendations to community

MEETING SCHEDULE 2016:	
21 July:	Work Group meeting (09.00 CDT), IADC HQ
13-14 September:	IADC Advanced Rig Technology (ART) Conference, Galveston
15 September:	Alarm Workshop (13.00 - 17.00 CDT), IADC HQ
17 November:	Work Group meeting (09.00 CST), IADC HQ