2019

Annual **INCOSE**
international workshop

Torrance, CA, USA

January 26 - 29, 2019

Oil & Gas

www.incose.org/iw2019

Oil & Gas

MEMBERS
40

CO-CHAIRS
Chris Bellows (christopher.bellows@bp.com)
Alisha Pate (alishapate@chevron.com)

INCOSE CONNECT ADDRESS

https://connect.incose.org/WorkingGroups/Oil-and-Gas/SitePages/Home.aspx

INCOSE WEB PAGE

https://www.incose.org/incose-member-resources/working-groups/Application/oil-and-gas

Charter Summary

WG PURPOSE/MISSION

To advance Systems Engineering into the Oil and Gas sector in order to enhance the sector's ability to adapt to rapidly changing environments.

WG GOAL(S)

Create guidelines and best practices for applying Systems Engineering in the Oil and Gas sector.

WG SCOPE

The entire Oil and Gas supply chain, from owner operators through to EPCs, service providers, equipment suppliers and standards bodies.

IW Outcomes

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Welcomed new attendees

Held a combined working session that covered working group overview, current subgroup status (SE Value, Requirements, Standards, SE Competencies) and all 2018 achievements

Presentation and engagement from ASTM regarding industry standards and systems engineering integration

Open floor and thinking session to discuss 2019 focus, objectives, challenges

- Proposal for new subgroup (Tools Trade Studies)
- Requirement Quality Tools
- Standard data format for requirement transference
- Suggestions for future topics in the O&G SE Competencies and Value of SE subgroups

Shared vision about O&G WG participation within EMEA region

Developed content for O&G WG SharePoint site

Connected with other Working Groups

Planned Work past IW

PLANNED ACTIVITIES

- Develop Case for Change to incorporate into SE Value Tool
- Continue pilot for requirements coaching tools
- Continue work with API to convert standards from prose to requirements
- Advance transformation of standards from prose to requirements with more Standards Bodies (IOGP, ASTM, DNV)
- Review justification for SE Competencies frameworks for O&G Industry
- Establish new ReqIF Subgroup
- Develop method to learn, compare and evaluate tools (Requirements Grading Tools and Requirements Database Tools) in partnership with Standards Development Tools and others
- Outreach with established O&G industry organizations (SPE, IADC, API, IOPG, etc.)
- Produce Systems Engineering session at the Offshore Technology Conference
- Co-host SE Conference with Aerospace INCOSE TGCC
- Strengthen O&G WG participation in EMEA Region

PLANNED WORK PRODUCTS

- Support Systems Engineering Session at the Offshore Technology Conference by presenting ten SE papers
- Updated SE Value Tool
- Tool evaluation white paper