SUBSEA WIRELESS GROUP INDUSTRY NETWORK

Guiding the adoption of subsea wireless technologies in the oil and gas industry

SWiG was established to promote interoperability for subsea wireless communications. SWiG members are working together to define standards that facilitate interoperability between users of different subsea wireless technologies (acoustic, radio frequency, optical, inductive and hybrid)

SWiG operates member-established Working Groups. These are currently focused on acoustic, inductive and optical communications

Standards

Aims to develop a family of standards that support full interoperability between wireless subsea communications systems

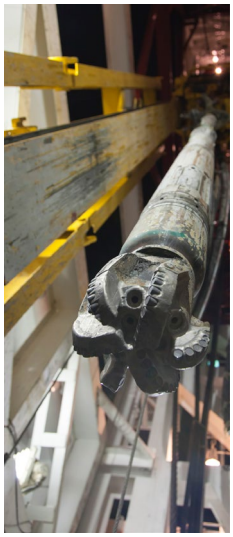
Current SWiG activities

- SWiGacoustic – final document being completed June 2020
- SWiGinductive – draft document will be circulated in July 2020 for comment; a post-review version to be submitted to API 17F working group for potential inclusion
- SWiGoptical – standard drafting started; initially focused on low data rate technology

Achieved and delivered by SWiG

In addition to the activities mentioned above, SWiG has also delivered the following – available on the website:

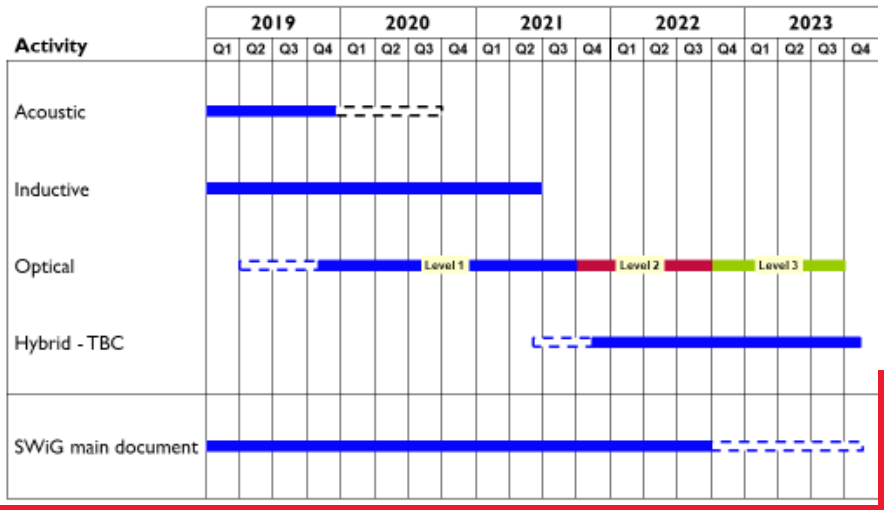
- SWiGradio standard
- Subsea technology needs analysis spreadsheet focused on Integrity Management, Structural Monitoring, Flow Assurance and Position Monitoring
- A SWiG 101 course introducing radio frequency, acoustic and optical wireless subsea communication technologies (inductive & hybrid to be completed)
- Case studies based on radio and acoustic communications
- Use cases for acoustic communications
- Use cases for inductive data communications and power
- Use cases for optical communications



2020/2021 meeting schedule

- 6th / 7th October 2020
- 9th / 10th February 2021
- 6th / 7th May 2021

SWiG Timeline



SWiG is managed by OTM Consulting

SUBSEA WIRELESS GROUP INDUSTRY NETWORK

SWiG welcomes new members from all parts of the supply chain: operators, systems integrators, equipment, vehicle and sensor manufacturers. Our current members include:

SWiG objectives

- Promote interoperability between users of subsea wireless communications
- To raise industry awareness and acceptance of subsea wireless communications
- Identify areas (within subsea wireless communications) where open standards need to be developed and develop them
- Encourage the integration of subsea wireless communication technologies
- Share best practices across the industry
- Promote knowledge transfer across the industry

Member benefits

- Operator and supply chain engagement
- Network with subsea subject matter experts in other companies
- Insights into Operator priorities and industry trends
- Participation in the creation and development of standards for subsea wireless technologies
- Inter-company collaboration and the opportunity to learn from peer industry experts
- Supply chain support and stimulation, especially for the smaller vendor members who enjoy access to a wide array of established end-users (operators) and other potential vendor partners
- Active promotion of training related to subsea wireless communications technology

If you would like further information about SWiG, please contact OTM Consulting at **networks@otmconsulting.com** or call **+44 1372 631950**