

## Joint industry initiative driving improved reliability of advanced well equipment

12 September 2016: [OTM Consulting](#), a leading oil & gas technology advisory company, and the [Advanced Well Equipment Standardisation \(AWES\) network](#), today announce the publication of three new Recommended Practices (RPs) that seek to provide increased reliability and lower cost for the industry. The standards relate to downhole instrumentation, downhole encased cables and encased fibre critical to the oil & gas industry as it looks to optimise production through increased performance and reliability of equipment.

In the current low oil price environment, managing upfront and operational costs is a fundamental challenge. In such environments, high tech projects often get cut, meaning that long-term operational efficiencies will not be realised. Lowering the cost of introducing technologies through standardisation of testing procedures and methodologies ensures that service companies, vendors and research institutes don't waste time and money re-testing equipment to match varying requirements and operators get equipment tested to the highest standards.

"Standardisation is a hot topic for our industry as we seek collectively to reduce the cost burden of introducing new technologies that seek to optimise production and reliability," says Crispin Keanie, Managing Director at OTM Consulting. "I am very proud of the speed in which AWES has been able to bring these recommended practices to launch. The JIP started in 2011 and we have since managed to push four new RPs through, working collaboratively with over 25 oil companies, completion vendors, equipment vendors, research institutes and universities. AWES is now working on the development of two further RPs: Inflow Control Devices (ICD) and Interval Control Valves (ICV)."

The three latest RPs published by AWES are Cables & Control Lines Tubing Encased Cable (CCL TEC), Cable and Control Lines Tubing Encased Fibre (CCL TEF) and Downhole Instrumentation (DIG). All three are intended for use in the petroleum and natural gas industry globally.

CCL TEC RP: outlines the qualification tests and acceptance testing regimes for each of the individual TEC components from the core to encapsulation. The tests are divided into type tests (qualification) and routine tests/factory acceptance tests (FAT) (production).

CCL TEF RP: provides recommended performance qualification tests and test methods for tubing encased fibre cables for permanently installed downhole use.

DIG RP: provides a specification for detailed qualification requirements including data collection and storage, instrumentation requirements, qualification test plan and a number of tests for permanently installed downhole instrumentation/sensors.

AWES was set up to stay on top of the industry challenges and provide timely responses in the form of standards and recommended practices in the area of advanced well equipment. It is widely supported across the industry.

An AWES member from Baker Hughes comments: "This consortium has brought together experienced operators and technology leaders of Advanced Well Equipment. Decades of knowledge from a consumer and developer perspective have been shared to drive these recommended practices that will truly increase reliability and capital efficiency in the industry for years to come."

All AWES Recommended Practices are available on the [AWES website](#). AWES is also launching two new Work Groups (WGs) to continue to support the drive for improved reliability of advanced well equipment, focusing on Control Lines and Flat Packs and In-Well Drymate Connectors. The AWES network is managed by OTM Consulting.

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## About AWES

AWES is a joint industry initiative consisting of around 25 oil companies, completion vendors, equipment vendors, research institutes and universities, managed by OTM Consulting. Its aim is to improve the reliability of advanced well equipment through the development of published industry standards and recommended practices for the qualification of the relevant completions equipment.

[www.awes-group.com](http://www.awes-group.com)

## About OTM Consulting

OTM Consulting is an international oil & gas technology advisory, development and deployment consulting company. With over 22 years' industry experience, we help oil & gas companies to maximise the value from their investments in R&D and technology.

Our services aim to help you understand market & technology opportunities, trends and risks; decide which technologies to invest in and how; develop innovative technology solutions; and deploy technologies better and faster. With science and technology at the core of everything we do, and a team of industry specialists in reservoirs, wells, subsea, deepwater, unconventional and operations, we are committed to delivering insight and innovation and are passionate about seeing R&D serve our industry.

OTM Consulting is a Science Group company. Science Group provides independent advisory and leading-edge product development services focused on science and technology initiatives. It has six offices globally, two UK-based dedicated R&D innovation centres and more than 350 employees. Other Science Group companies include OTM Consulting, Oakland Innovation and Leatherhead Food Research.

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