

# International Association of Drilling Contractors



**ART Drilling Control Systems**

**CybSec Workgroup Meeting**

**06 Aug 2015**

**IADC**

**10370 Richmond Ave., Suite 760**

**Houston, TX 77042**

## Attendance

<b>Name</b>		<b>Company Name</b>
Husein	Allgayer	<b>GE Oil and Gas</b>
Marco	Ayala	<b>AE Solutions</b>
Catherine	Cavazos	<b>NATIONAL OILWELL VARCO</b>
John	Cusimano	<b>AE Solutions</b>
Chris	DeWitt	<b>ABS</b>
Clifford	Donald	<b>GE Oil and Gas</b>
Patric	Dove	<b>Siemens</b>
Erlend	Engum	<b>NATIONAL OILWELL VARCO</b>
Emily	Field	<b>Kingston Systems</b>
Kenneth	Frische	<b>AE Solutions</b>
Christopher	Goetz	<b>Kingston Systems</b>
Siv Hilde	Houmb	<b>Secure-NOK</b>
Mike	Killalea	<b>IADC</b>
Jay	Labhart	<b>GE OIL &amp; GAS, DRILLING SYSTEMS</b>
Mike	Lyssy	<b>AE Solutions</b>
Kenny	Mesker	<b>Chevron</b>
Tim	Mournian	<b>Archer Survey &amp; Inspection</b>
Matthew	Romero	<b>ABS</b>
Steven	Ronan	<b>Northwest Technical Solutions</b>
Nahum A	Ronquillo	<b>NATIONAL OILWELL VARCO</b>

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## Agenda for the meeting:

1. Welcome and Introductions
2. Review of Antitrust Guidelines and Facility Orientation
3. Review of minutes from last meeting
4. Facilitated brainstorming applying ISA/IEC 62443-3-2 on a drilling asset
5. Action Point List
6. Next meeting schedule and AOB

## Minutes:

1. Welcome and short introduction of the participants – “round around table”.
2. Meeting delegates was reminded of the IADC antitrust guidelines.
3. Minutes from the group meetings are posted at: <http://www.iadc.org/advanced-rig-technology-committee/meeting-minutes/>. Minutes from the meeting July 30, 2015, will soon be made available.
4. JM with ISA 99 WG 4 Aug 6. The first part of the meeting was spent refining and agreeing on the system under consideration (SuC). The SuC is a futuristic generic drilling asset with two “permanent” third party connections (MWD/LWD and Mudlogging), temporary third party connections (not specific for what purpose), multiple remote connections (either satellite or fixed (like fiber etc.), standard HMIs, standard controllers, connection directly through one single firewall to the remote connections (so no DMZ), and a set of servers and services for pushing data to and from operational centers. The scope of the risk assessment includes the interfaces to the connections into the DCS, the HMIs and controllers and the servers and services for pushing data to and from operational centers.  
  
Once an agreement was made as to the definition and scope of the SuC, the risk identification and analysis started. The meeting managed to look into one threat vector during the meeting. The risk identification and analysis will continue at the next WG meeting.
5. AP discussion.  
See deadlines in the below table.
6. The next WG meeting is scheduled for Sept 4, 2015, @9:00am-11:00am.

## Action Points:

AP no.	Description	Responsible	Deadline
01	Guidelines for Risk Management and Assessment Methods to use for assessing Drilling Assets.	Siv Hilde Houmb (lead), Matthew Romero, Patric	Document sent out for review. Review deadline: Sept 4, 2015.

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		Dove, Nathan Moralez, Kent Hulick,	
02	Top 10 threats for DCS.	Marco Ayala (lead), Nathan Moralez, Matthew Romero, Carman Babin, Mason Smith	Sept 4, 2015.
03	Risk assessment of example drilling asset using ISA/IEC 62443-3-2.	John Cusimano (lead), Marco Ayala, Patric Dove, Nathan Moralez, Greg Villano, Siv Hilde Houmb and all	Kick-off July 30 and facilitated brainstorming session together with ISA99 WG4 August 6.
04	Network Segmentation standards and best practices relevant for DCS.	Patric Dove (lead), Marco Ayala, Siv Hilde Houmb	Sept 4, 2015.
05	Check with the ICS CERT regarding what they have of threat lists of interest to the WG.	Greg Villano	Closed.
06	Check with the FBI regarding what they have of threat lists of interest to the WG.	Siv Houmb	Closed.