**International Association of Drilling Contractors**

**ART Drilling Control Systems**  
**CybSec Workgroup Meeting**  
**25 June 2015**  
**IADC**  
**10370 Richmond Ave., Suite 760**  
**Houston, TX  77042**

## Attendance

<table>
<thead>
<tr>
<th>Name</th>
<th>Company Name</th>
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<tbody>
<tr>
<td>Carman</td>
<td>Cameron</td>
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<tr>
<td>Catherine</td>
<td>NATIONAL OILWELL VARCO</td>
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<tr>
<td>Jagbar</td>
<td>M&amp;I Electric</td>
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<tr>
<td>Clifford</td>
<td>GE Oil and Gas</td>
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<tr>
<td>Patric</td>
<td>Siemens</td>
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<tr>
<td>Erlend</td>
<td>NATIONAL OILWELL VARCO</td>
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<tr>
<td>Todd</td>
<td>Siemens</td>
</tr>
<tr>
<td>Christopher</td>
<td>Kingston Systems</td>
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<tr>
<td>Siv Hilde</td>
<td>Secure-NOK</td>
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<tr>
<td>Tim</td>
<td>Diamond Drilling</td>
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<tr>
<td>Michael</td>
<td>Chevron</td>
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<tr>
<td>Mike</td>
<td>AE Solutions</td>
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<tr>
<td>Trent</td>
<td>Transocean</td>
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<tr>
<td>John</td>
<td>Patterson-UIT</td>
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<tr>
<td>Nathan</td>
<td>BP</td>
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<tr>
<td>Donn</td>
<td>Nabors</td>
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<tr>
<td>Richard</td>
<td>Lloyd’s Register Energy-Drilling</td>
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<tr>
<td>James</td>
<td>IPT Global</td>
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<tr>
<td>Matthew</td>
<td>ABS</td>
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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. A Look at the Cybersecurity Framework and then Privacy; Michael Lewis, Chevron

5. Industrial Automation Control Systems (IACS); Secure Program 2015; Greg Villano, Diamond Offshore

6. Action Point List

7. 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 on: http://www.iadc.org/advanced-rig-technology-committee/meeting-minutes/. No comments received on the minutes from the WG meeting April 30, 2015.

4. Michael Lewis from Chevron talked about the NIST Cybersecurity Framework and how to deploy it in practice in a large organization such as Chevron. Michael also talked about cross-region privacy regulation.

5. Greg Villano from Diamond talked about the security program that Diamond has developed, the steps involved and the steps ahead.

5. AP discussion.
Deferred to next meeting.
6. The next WG meeting is scheduled for July 30, 2015, @10:30am-12:00pm. This meeting will be a preparation to the ISA/IEC 62443-3-2 drilling asset example brainstorming session that we will have together with ISA 99 WG4 August 6 @9am-12pm. Please reserve both dates.

Action Points:

<table>
<thead>
<tr>
<th>AP no.</th>
<th>Description</th>
<th>Responsible</th>
<th>Deadline</th>
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<tbody>
<tr>
<td>02</td>
<td>Top 10 threats for DCS</td>
<td>Marco Ayala (lead), Nathan Moralez, Matthew Romero, Carman Babin, Mason Smith</td>
<td>TBD @ next meeting</td>
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<tr>
<td>03</td>
<td>Risk assessment of example drilling asset using ISA/IEC 62443-3-2</td>
<td>John Cusimano (lead), Marco Ayala, Patric Dove, Nathan Moralez, Greg Villano, Siv Hilde Houmb</td>
<td>Kick-off July 30 and facilitated brainstorming session together with ISA99 WG4 August 6.</td>
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<td>04</td>
<td>Network Segmentation standards and best practices relevant for DCS</td>
<td>Patric Dove (lead), Marco Ayala, Siv Hilde Houmb</td>
<td>TBD @ next meeting</td>
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<td>05</td>
<td>Check with the ICS CERT regarding what they have of threat lists of interest to the WG</td>
<td>Greg Villano</td>
<td>July 30, 2015</td>
</tr>
<tr>
<td>06</td>
<td>Check with the FBI regarding what they have of threat lists of interest to the WG</td>
<td>Siv Houbm</td>
<td>July 30, 2015</td>
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