# International Association of Drilling Contractors

**Advanced Rig Technology**
**Cybersecurity Subcommittee**

13 July 2017

**IADC**
10370 Richmond Ave., Suite 760
Houston, TX 77042

## Attendance

<table>
<thead>
<tr>
<th>Name</th>
<th>Company Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pradeep</td>
<td>Annaiyappa</td>
</tr>
<tr>
<td>David</td>
<td>Bowen</td>
</tr>
<tr>
<td>Brandon</td>
<td>Carlton</td>
</tr>
<tr>
<td>Erlend</td>
<td>Engum</td>
</tr>
<tr>
<td>Anthony</td>
<td>Gleason</td>
</tr>
<tr>
<td>Christopher</td>
<td>Goetz</td>
</tr>
<tr>
<td>Siv Hilde</td>
<td>Houmb</td>
</tr>
<tr>
<td>Wesley</td>
<td>Knight</td>
</tr>
<tr>
<td>Glenn</td>
<td>Legge</td>
</tr>
<tr>
<td>Michael</td>
<td>Lewis</td>
</tr>
<tr>
<td>Melissa</td>
<td>Mejias</td>
</tr>
<tr>
<td>Isaac</td>
<td>Misoi</td>
</tr>
<tr>
<td>Steven</td>
<td>Ronan</td>
</tr>
<tr>
<td>Nathan</td>
<td>Singleton</td>
</tr>
<tr>
<td>Baligh</td>
<td>Shaikh</td>
</tr>
<tr>
<td>Alan</td>
<td>Spackman</td>
</tr>
<tr>
<td>Nebojsa</td>
<td>Stanivuk</td>
</tr>
<tr>
<td>Jeana</td>
<td>Sublett</td>
</tr>
<tr>
<td>Kevin</td>
<td>Tollefson</td>
</tr>
<tr>
<td>Nina</td>
<td>Tvedt</td>
</tr>
</tbody>
</table>

NABORS
GE OIL & GAS
HFW
SECURE-NOK
PARKER DRILLING
SECURE-NOK
DIAMOND OFFSHORE
HFW
Chevron
IADC
PARKER DRILLING
OTC SOLUTIONS
HELMERICH & PAYNE INTERNATIONAL
PACIFIC DRILLING
IADC
KINGSTON SYSTEMS
PARKER DRILLING
HELMERICH & PAYNE INTERNATIONAL
SECURE-NOK
Agenda for the meeting:

1. Welcome and Introductions
2. Review of Antitrust Guidelines and Facility Orientation
3. Review of Minutes from Last Meeting
4. Update on Legislative and Standardization Activities
5. Review of Guidelines for Minimum Cybersecurity Requirements for Drilling Assets
6. AOB and close of meeting

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 subcommittee meetings are posted at: [http://www.iadc.org/advanced-rig-technology-committee/meeting-minutes/](http://www.iadc.org/advanced-rig-technology-committee/meeting-minutes/). There were no comments to the minutes from the May IADC ART Cybersecurity Subcommittee meeting.
4. Update on Legislative and Standardization Activities from Melissa Mejias
   For details, see annex to the minutes.

The following action points came from the discussion:

- Send out agreed API-IADC joint document with meeting minutes - Done
- Provide an update on what the USCG has done with the work completed by the NOSAC – In Progress
- ONG-ISAC
  - Ask ONG-ISAC to attend the next meeting to speak on Petya - Done
  - Provide examples of alerts at each level – discuss content and format – Will be done at the next subcommittee meeting
- Add Infragard updates to the cyber overview – included in the updated annex

5. Review of Guidelines for minimum cybersecurity requirements for drilling assets

The meeting delegates provided their input to the current draft of the guidelines (version 0.8). The guidelines have been updated to reflect the meeting input and are distributed together with the minutes. The guidelines will be sent for review to the IADC members with a review period of 14 days.

7. AOB and close of meeting. The subcommittee meetings are announced on the IADC website. Please remember to register. The meeting calendar for the IADC ART Cybersecurity subcommittee for 2017 are the following:
   - September 14, 2017 @9am
Updated and tentative schedule of deliverables for the IADC ART Cybersecurity Subcommittee:

- December 2017 - Guidelines for Network Segmentation.
- March 2018 – Cybersecurity Training v1.0.

There were no other business and meeting adjourned.

The annexes to the minutes are:

Annex 1: Legislative and Standardization Activities
Annex 2: API-IADC Joint Paper
Annex 3: Guidelines for minimum cybersecurity requirements for drilling assets