

International Association of Drilling Contractors



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

Attendance

Name		Company Name
Husein	Allgayer	GE Oil and Gas
Marco	Ayala	AE Solutions
Carman	Babin	Cameron
Muni	Chatarpal	Noble
Erlend	Engum	NATIONAL OILWELL VARCO
Siv Hilde	Houmb	Secure-NOK
Matthew	Romero	ABS
Mason	Smith	Cameron
Robert	Sutton	Northwest Technical Solutions
David	Wagner	AWC

Agenda for the meeting:

1. Welcome and Introductions
2. Review of Antitrust Guidelines and Facility Orientation
3. Review of minutes from last meeting
4. Risk management and assessment recommendation document - review
5. Action Point List
6. Next meeting schedule and AOB

International Association of Drilling Contractors

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 March 19, 2015.
4. The risk management and assessment guideline document were sent out for review prior to the WG meeting. Some comments have been received and these were discussed in the meeting. One point to note is that the document is a bit massive in terms of its references to standards and that we might need to consider how to make it easier for non-security people to pick up the document and use it to carry out a risk assessment.

Section 2 was decided to move to an appendix. This means that the core document is comprised of the executive summary, introduction and the actual guideline (section 3). Everything else has been moved to an appendix. The document is now awaiting further comments from the review process. The next step is to carry out a risk assessment using ISA/IEC 62443-3-2 (see AP03). Note that ISA/IEC 62443-3-2 will be completed within 2-3 weeks and then sent out on ballot.

5. AP discussion.

AP02 – Top 10 threats for DCS: There exist multiple information sources for threats on control and automation systems, both governmental such as from ICS CERT and DHS, and non-governmental. Greg Villano will check with the ICS CERT regarding what they have of threat lists of interest to the WG and Siv Houmb will check with the FBI whether they have any suggestions on additional governmental information sources. What we have found out thus far is that the national labs, including Idaho National Labs, Pacific Northwest National Labs, and Sandia National Labs have data sets and/or emulators that could be leveraged to provide data for the DCS top 10 threat list.

Matthew Romero have compiled a draft list of threats and distributed to the people involved in AP02. Carman Babin and Mason Smith were added to the list of people for AP02. The plan is that Matt, Carman and Mason will do an “internal” brainstorming prior to the next WG meeting to move the work forward.

6. The next WG meeting is scheduled for June 18, 2015, @10:30am-12:00pm.

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 Dove, Nathan Moralez, Kent Hulick,	Document sent out for review.
02	Top 10 threats for DCS	Marco Ayala (lead), Nathan Moralez, Matthew Romero, Carman Babin, Mason	TBD @ next meeting

International Association of Drilling Contractors

		Smith	
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	TBD @ next meeting
04	Network Segmentation standards and best practices relevant for DCS	Patric Dove (lead), Marco Ayala, Siv Hilde Houmb	TBD @ next meeting
05	Check with the ICS CERT regarding what they have of threat lists of interest to the WG	Greg Villano	June 18, 2015
06	Check with the FBI regarding what they have of threat lists of interest to the WG	Siv Houmb	June 18, 2015