



**U.S. Department of Commerce
Civil Nuclear Trade Advisory Committee (CINTAC) Meeting
Seventh Charter, 2020-2022**

Wednesday, June 30, 2021, 9:00am - 4:00pm EDT
Virtual Meeting: MS Teams

MINUTES

9:00 – 9:05

Welcome and Introduction

- Jonathan Chesebro, Designated Federal Officer of the CINTAC, U.S. Department of Commerce (DOC) welcomed CINTAC members.

9:05 – 9:30

FACA and Ethics Briefing for CINTAC Members

- Jennifer Chung, Senior Counsel for Advisory Committees, Information Law Division, Office of General Counsel, DOC, provided an overview of FACA requirements, answered member questions and noted other online resources available to the Committee.
- Elias Sherlock, Attorney-Advisor, Ethics Law and Programs Division, DOC, reviewed ethics rules as they pertain to CINTAC, noted requirements for member involvement, interactions with stakeholders, and relationships with foreign entities.

9:30 – 10:00

Introduction of CINTAC Members

- Each CINTAC member introduced themselves, provided a brief overview of their organization, and noted their goals for the charter.

10:00 – 10:15

Election of CINTAC Leadership (Chair and Vice Chair)

- CINTAC DFO reviewed procedure for election of Chair and Vice Chair and nominations. Jeff Harper (X Energy) was nominated to be CINTAC Chair and Ralph Hunter (Exelon) was nominated to be Vice Chair. Several members noted their support for these nominations.
- Several confirmatory nominations provided for both candidates.
- CINTAC Members voted to determine the Chair and Vice Chair for the 2020-2022 charter: Jeff Harper voted to be Chair and Ralph Hunter voted to be Vice Chair. Pending confirmation by the Secretary, these positions will be confirmed



10:15 – 10:45

Presentation: Overview of CINTAC Objectives and Process for Finalizing Recommendations

- Jonathan Chesebro, CINTAC DFO, and previous CINTAC leadership provided an overview of CINTAC objectives and the process for finalizing recommendations. The impact of previous CINTAC recommendations was reviewed, the Committee structure was noted, and the process for forming subcommittees was discussed.

10:45 – 11:00

Break

11:00– 11:30

Remarks from DOC/ITA Leadership on DOC and Administration Priorities

- Dr. Monica Gorman, Deputy Assistant Secretary for Manufacturing, DOC/ITA, thanked the committee for their work, reinforced the importance of the civil nuclear industry for climate and environmental objectives, and noted that the Administration has made commitment to 100% carbon free electricity generation by 2035.
 - Noted that ITA is planning to organize its September 2021 IAEA U.S. Industry Program (pending any covid complications). Reviewed DOC's Small Modular Reactor Public-Private Program (SMR PPP) and its goal of promoting SMR deployment in Europe and Eurasia.
 - Noted the importance of the Committee making recommendations that are specific to DOC and are actionable.
- After Dr. Gorman's remarks, CINTAC members asked questions and noted topics/issues that they believe are critical to U.S. civil nuclear industry competitiveness.
 - CINTAC Chair thanked the Administration for their support of nuclear energy. One member noted that trade restrictions on nuclear exports to China are challenging for industry and that China is currently doing a review of its civil nuclear export policy.
 - Another member asked what type of recommendations can be made to address the difficulty of making an interagency proposal and Dr. Gorman recognized that interagency collaboration can be an issue.
 - A member asked what CINTAC can do to prevent the premature shutdown of U.S. reactors that cannot compete economically. Dr. Gorman noted that DOE is leading one-year report on the energy industrial base and will seek stakeholder engagement in the coming months.



- A member asked about how industry can balance IP protection vs. enhancing U.S. civil nuclear trade. Dr. Gorman noted that the Administration is aware of insufficient IP protection and open to committee recommendations in this area.

11:30 – 12:15

TeamUSA Update

- U.S. Government interagency representatives from the TeamUSA Civil Nuclear Working Group provided updates on current activities and answered questions from CINTAC members.
- DOE noted that the IAEA will host a technical review meeting in October to update its milestones document.
- State Department highlighted its Foundational Infrastructure for Responsible Use of Small Modular Reactor Technology (FIRST) program, a capacity building program to help countries develop their nuclear energy programs. FIRST has an initial investment of \$5.5 million and has done pilot projects with Kenya and Indonesia over the last year. The Department will have future FIRST engagements in other countries.
- U.S. NRC noted its 2019 U.S.-Canada MOU to promote collaboration on SMR and advanced reactor licensing. A virtual personnel exchange began in early 2021 focused on the GE-Hitachi SMR design. In Poland, NRC has engaged with the Polish regulator, and has also engaged on SMRs under the FIRST program. Noted that NRC's Office of International Programs, as mandated by NEMA, will resume charging fees for export/import license application review. A rulemaking will occur to ensure compliance with the NSG.
- EXIM Bank provided an overview of its products and services to support U.S. civil nuclear exports, noting that it supports both goods and services, provides direct loans, loan guarantees, and has an insurance program. Highlighted its Engineering Multiplier Program which is used for early-stage site studies and geotechnical reviews. The Bank is awaiting BOD and Chair nominations and will host its annual conference on September 14-15, 2021.

12:15 – 1:00 Lunch Break

1:00 – 2:00

Discussion: Subcommittee Structure

- Members held a brainstorming session to determine CINTAC VII subcommittee structures. Members who served on previous CINTACs provided insights on what structures were utilized for previous charters. 1:00-1:30pm portion was focused on breakout discussions



and 1:30-2:00pm involved the four breakout groups reporting out to the entire CINTAC.

- CINTAC Chair proposed putting together a WG to propose revisions to the CINTAC charter and noted that a public/private partnership between Commerce and industry could be beneficial. Suggested that CINTAC advise DOC on advocacy opportunities for U.S. civil nuclear exports in education, messaging, continuation of key CINTAC VI programs, and policy activism for nuclear.
- A member noted that the U.S. Government (USG) lacks the expertise to negotiate civil nuclear deals and that a public-private partnership could help in this area.
- Members noted challenges facing industry, including a perception that it is difficult to do business with the U.S., capital and financing issues, and the need for alignment between USG and industry on commercial targets/activities.
- Breakout groups provided readouts to the full committee on their discussions. One group suggested adding a new subcommittee called 'outreach' that would focus on education, promotion, and messaging across USG and industry. This group noted the need for a disciplined approach to move from MOUs to 123 agreements.
- Another group noted the need for subcommittees focused on deploying technology, on supply chain/exports, and on specific market outreach. One group suggested subcommittees on finance, fuel cycle, climate, and noted the importance of IP protection.
- Members discussed issues for the Committee to focus on, including intergovernmental agreements, SMRs, and the need to focus on actionable items.
- A member noted that legislation is being considered which could cut off trade with large international nuclear markets and that the CINTAC should focus on this. Another member noted that the final content of the bill is unknown and that the Committee should focus on where CINTAC needs align with Administration priorities.
- Members agreed that key issues for subcommittees to focus on include deployment, financing, supply chain, and the domestic and international markets.

2:00 – 3:00

Discussion: CINTAC Priorities

- Members had a brainstorming session on priorities for the CINTAC VII charter. Members agreed that CINTAC priorities should aim to align with priorities of the current Administration, which include climate change, infrastructure development, supporting U.S. jobs and



economic development, and other areas. Members agreed that some potential CINTAC priorities could include messaging at the COP26 climate summit, recommendations on supporting reactor deployment, resolving supply chain issues, improving USG interagency coordination and cooperation with industry, and the role of nuclear in achieving climate goals.

- During the discussion, a member asked if CINTAC members can have a substitute for meetings (the DFO noted that members cannot have a substitute for meetings but can have someone from their organization attend as a member of the public in listening mode).
- The group suggested that CINTAC take a position on current legislation that could block U.S. exports to key international markets. Another member noted that the legislation could change and suggested that the Committee wait and see what the final legislation looks like.

3:00 – 3:15

Conclusion and Next Steps

- The CINTAC DFO, CINTAC Chair, and CINTAC Vice Chair proposed that the Committee meet approximately every two months for the duration of the charter. The CINTAC DFO reminded members about FACA requirements. The group agreed to have their next meeting on July 28 (time TBC).

3:15 – 4:00

Public Comment & Adjourn

(No members of the public attended)



MEETING PARTICIPANTS

CINTAC Members

- Jeff Harper, Vice President, Strategy and Business Development, X Energy, LLC
- Ralph Hunter, Vice President, Exelon Generation Company, LLC, and Chief Operating Officer, Exelon Nuclear Partners, LLC
- Mimi Limbach, Nuclear Energy Communications Affiliate, 4 Factor Consulting, LLC
- Jeffery Kerridge, Senior Vice President for Global Business Development, Amentum
- Margaret Harding, Member of the Board, American Nuclear Society (ANS)
- Hash Hashemian, President, Analysis and Measurement Services Corporation (AMS)
- Paul Fakes, Senior Manager, Government Relations, ASME
- Ahmet Tokpinar, Vice President, Business Development and Operations, Bechtel Power Corporation
- Daniel Lipman, President, Beginning Energies International
- Glenn Neises, Nuclear Director, Burns & McDonnell
- Joseph Miller, General Manager for Advanced Technologies, BWXT Advanced Technologies, LLC
- John Valentino, Director, International Clients, Centrus Energy Corp.
- Nicholas McMurray, Senior Program Director, Nuclear Energy, ClearPath
- Malcolm Critchley, President and CEO, ConverDyn
- Gary Wolski, Vice President, Market Development, Curtiss-Wright
- Russell Neely, Chief Operating Officer, Edlow International Company
- Vice Admiral (Retired, U.S. Navy) William Hilarides, Advisory Board Member, Elysium Industries, USA
- Colin Austin, Senior Vice President of International Business, EnergySolutions
- Donald Hoffman, President and CEO, Excel Services Corporation
- Dayton Lawman, Director of Sales, Navy and Nuclear Products, Flowserve Limatorque
- Jarret Adams, Founder and CEO, Full On Communications
- Brandon Brooks, Strategic Business Development Manager, General Atomics
- Rob Sweeney, President and CEO, ibeX Energy Solutions
- Seth Grae, President and CEO, Lightbridge Corporation
- Alex Polonsky, Partner, Morgan, Lewis, & Bockius LLP
- Myron Kaczmarzsky, Managing Director, Government Services, Holtec International
- Paul Murphy, Founder and Managing Director, Murphy Energy & Infrastructure Consulting
- Michael McMahon, Vice President, Consulting and Strategic Projects, NAC International
- Carol Berrigan, Executive Director, Federal Programs & Supplier Relationships, Nuclear Energy Institute
- Chris Colbert, Chief Strategy Officer and Chief Financial Officer, NuScale Power, LLC
- Eric Rasmussen, Director of Engineering and Sales, RSCC Wire and Cable, LLC



- Michael Edwards, Chief Operating Officer, RIZZO International, Inc.
- Nathan Schukei, Sales and Business Development Manager, Rosemount Nuclear Instruments, Inc.
- Gard Clark, Senior Vice President, Energy and Environment, Teledyne Brown Engineering, Inc.
- Marcia Burkey, Senior Vice President and Chief Financial Officer, TerraPower, LLC
- Yassin Hassan, Professor, Texas A&M University
- Bud Albright, President and CEO, U.S. Nuclear Industry Council
- Mike Shaqqo, Senior Vice President, Advanced Reactor Programs, Westinghouse Electric Company

U.S. Government

- Jonathan Chesebro, CINTAC DFO, DOC/ITA
- Jennifer Chung, Senior Counsel for Advisory Committees, Information Law Division, Office of General Counsel, DOC
- Elias Sherlock, Attorney-Advisor, Ethics Law and Programs Division, DOC
- Monica Gorman, DAS for Manufacturing, DOC/ITA
- Man Cho, Deputy Director, Office of Energy and Environmental Industries, DOC/ITA
- Michelle Scott, Senior Advisor for Commercial Affairs, U.S. Department of Energy (DOE), Office of Nuclear Energy
- Kirsten Cutler, Senior Science Advisor, U.S. Department of State, Office of Nuclear Energy, Safety and Security, Bureau of International Security and Nonproliferation
- Brett Rini, Senior International Relations Officer & Group Leader, U.S. Nuclear Regulatory Commission (NRC)
- Ashok Pasricha, Managing Director, Structured Finance Division, Export Import Bank of USA