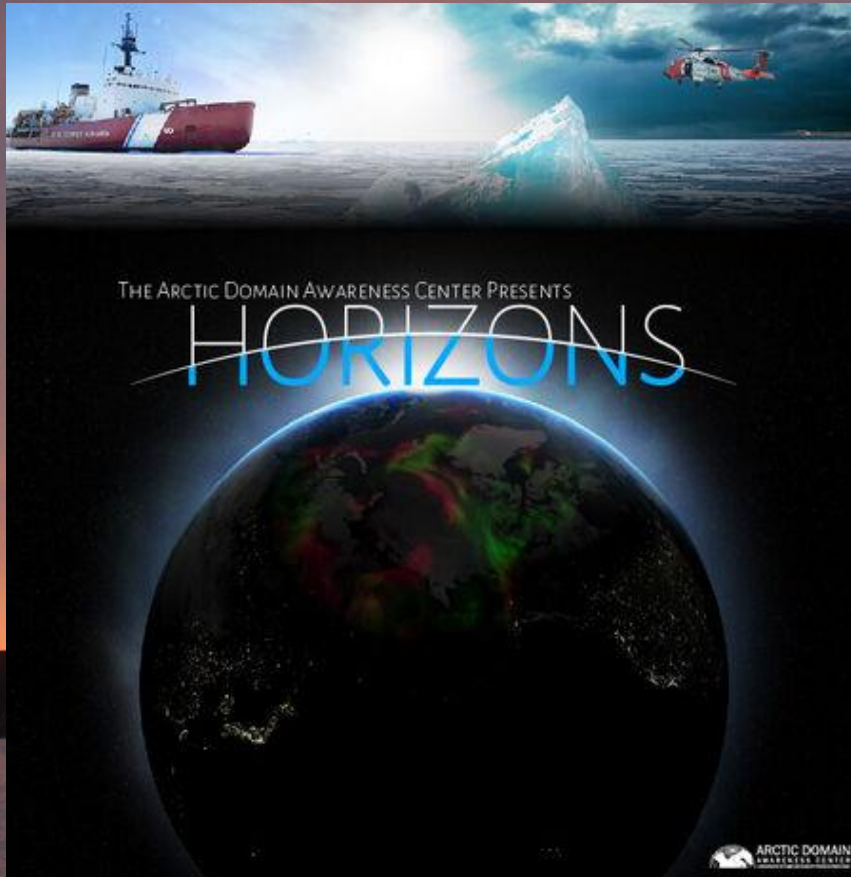




**ARCTIC DOMAIN
AWARENESS CENTER**
A DEPARTMENT OF HOMELAND SECURITY CENTER OF EXCELLENCE

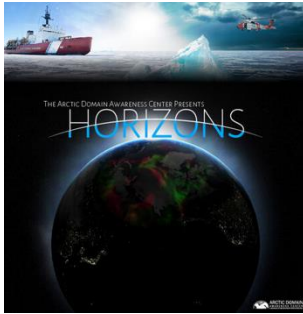
As of 3 May 2021



EXERCISE AGENDA



ARCTIC MARITIME HORIZONS 2021



A Headquarters U.S. Coast Guard Sponsored Exercise

*Focused on Improved Solutions in Maritime Transportation Systems...
Oriented to the Bering, Chukchi and Beaufort Sea Regions*

An ADAC planned and conducted Table-Top Exercise, resourced by HQ U.S. Coast Guard Senior Arctic Policy Advisor and organized in accordance with ADAC's Arctic Related Medium-and-Long Term Environment (Arctic MaLTE) processes.



Note: While this is a recorded session, the recording is only for aiding the report. Chatham House protocols are used. Any attribution will be coordinated in advance with the particular member requested to provide such attribution.

A "hybrid" event
In-person at: Anchorage, Alaska
Virtually: via Zoom Conferencing

5-6 May 2021¹

EXERCISE AGENDA

Virtual Connecting Links:

Arctic Maritime Horizons Day 1:

[Join Zoom Meeting](#)

ID: 89549395834

Passcode: 614594

[\(US\) +1 312-626-6799](#)

Passcode: 614594

89549395834@zoomcrc.com

Passcode: 614594

¹ Note: Reception/meal and planning event for in-person activities on **4 May 2021**



Arctic Maritime Horizons Day 2:

[Join Zoom Meeting](#)

ID: 82753167238

Passcode: 608863

[\(US\) +1 312-626-6799](#)

Passcode: 608863

82753167238@zoomcrc.com

Passcode: 608863

Note: Agenda times are listed in both Alaska and Eastern Time Zones in recognition of the hybrid nature of the exercise

AKDT = Alaska Daylight Time

EDT = Eastern Daylight Time

Planned Agenda

Note: Agenda times are listed in both Alaska and Eastern Time Zones in recognition of the hybrid nature of the exercise

AKDT = Alaska Daylight Time

EDT = Eastern Daylight Time

Tuesday, 4 May 2021

Note: All in person activities will be conducted in accordance with Municipality of Anchorage and/or University of Alaska Anchorage Social Distance requirements to protect exercise participants from effects of COVID-19

10:00-11:00 AM AKDT

2:00-3:00 PM EDT: Communications check for virtual presenters (as desired)

Use "Day 1" Zoom Link:

[Join Zoom Meeting](#)

ID: 89549395834

Passcode: 614594

[\(US\) +1 312-626-6799](#)

Passcode: 614594

89549395834@zoomcrc.com

Passcode: 614594

2:00-3:00 PM AKDT

6:00-7:00 PM EDT: Virtual and in-person facilitation Meeting. Lucy Cuddy Hall/Gorsuch Commons, University of Alaska Anchorage (UAA).

3:00-4:00 PM AKDT: Records Coordinators Meeting, Lucy Cuddy Hall/Gorsuch Commons, (In-person only) University of Alaska Anchorage (UAA).



6:00-8:00 PM AKDT: **Welcome and working dinner** to provide exercise overview and coordinating instructions.
(In-person only)

Location: Sullivan's Steakhouse

Website: sullivanssteakhouse.com

Address: 320 W 5th Ave, Anchorage, AK 99501

Phone: (907) 258-2882

Wednesday 5 May 2021

Plenary Session

7:00-7:30 AM AKDT

11:00-11:30 AM EDT: Registration & continental breakfast (for in-person participants). Lucy Cuddy Hall/Gorsuch Commons, University of Alaska Anchorage (UAA).

7:30-7:45 AM AKDT

11:30-11:45 AM EDT: **Welcome and introductory overview/orientation** by UAA and ADAC leadership, to include overview exercise groups assignments.

Workshop hosts will note that some plenary speakers may be in-person while the remainder are participating via Zoom conferencing.

7:45-8:10 AM AKDT

11:45 AM-

12:10 PM EDT:

Reflections from the Exercise Customer: Opening address and discussion of desired outcomes of the event. **Planned speakers:** SES Mike Emerson, CAPT, USCG (Ret), HQ USCG Director of the Maritime Transportation System and Mr. Shannon Jenkins, HQ USCG Senior Arctic Policy Advisor.

8:10-8:30 AM AKDT

12:10-12:30 PM EDT:

USCG MTS Operational Leader Remarks from the Commander, U.S. Coast Guard District 17/designated representative in providing an assessment of the current challenges in providing safety and suitable waterways management of the U.S. Arctic MTS. **Planned speaker:** RADM Nathan Moore, Commander, USCG District 17, Juneau Alaska.

8:30-8:35 AM AKDT

12:30-12:35 PM:

Set up for Panel #1.

8:35-9:50 AM AKDT

12:35-1:50 PM EDT:

Panel #1: Public Officials Reflections on the challenges and opportunities of the future U.S. Arctic MTS.



Description: A diverse panel of national and regional government officials who are associated with some element of the U.S. Arctic Maritime Transportation System from policy, prevention, response, safety or associated environmental characterization.

Desired outcomes: Increased exercise participant understandings of current and developing policies and regulations, new capacity developments, new or developing safety/risk mitigations, and/or environment characterizations affecting the Arctic MTS from Washington, D.C., Ottawa Canada and/or regional vantage points in Alaska.

Planned speakers:

- Ms. Helen Brohl, US Committee on Marine Transportation Executive Director, Washington D.C. (Confirmed) (Virtual)
- Dr. Alyson Azzara, International Trade Specialist, Department of Transportation Maritime Administration, Washington, D.C. (Confirmed) (Virtual)
- Mr. Steve Thompson, Superintendent, Maritime Search and Rescue Canadian Coast Guard | Arctic Region. (Confirmed) (Virtual)
- Ms. Joy Baker, Director, Port of Nome, Nome Alaska. (Confirmed) (Virtual)
- Dr. Dennis Thurston, Arctic Specialist/Physical Scientist, Alaska Region, Bureau of Ocean Energy Management (BOEM), U.S. Department of the Interior, Anchorage, Alaska. (Confirmed) (Virtual)
- Dr. Scott Lindsey, Director, Alaska Region, National Weather Service, Anchorage, Alaska. (Confirmed) (Virtual)

9:50-10:00 AM AKDT

1:50-2:00 PM EDT: Break

10:00-11:20 AM AKDT

2:00-3:20 EDT:

Panel #2: Remarks from Alaska Indigenous Leadership. Investing insights and perspectives on the future U.S. Arctic MTS from Alaska Native leaders (or their designated representatives).

Description: A panel of serving Alaskan Native Leaders in regional government, organizations representing Alaskan Native Tribes/tribal concerns or Governance and Policy advocacy organizations support of Traditional Arctic based lifestyles (such as Subsistence Hunting & Fishing).

Desired Outcomes: Increased exercise participant understandings towards current baselines, challenges and opportunities towards the development of the Arctic MTS. These distinguished leaders can provide insights important to gain in striking the right balance in developing policies that support new safe & sustainable economic developments on the Arctic MTS, while also minimizing impacts to traditional Arctic lifestyles. Further, these leaders may



possibly provide invaluable insights in how best to partner with local authorities in developmental endeavors.

Planned speakers:

- The Honorable Harry Brower Jr., Mayor North Slope Borough Alaska, Utqiagvik, Alaska. (Confirmed) (In-person)
- Mr. John Hopson, Jr., Chairman of the Alaska Eskimo Whaling Commission, Utqiagvik, Alaska. (Confirmed) (Virtual)
- Mr. Eugene “Gene” Peltola, Jr. Regional Director, Bureau of Indian Affairs, Alaska Region, U.S. Department of Interior. (Confirmed) (In-person)
- Ms. Mary David, Executive Vice President Kawerak Inc., Nome, Alaska. (Confirmed) (Virtual)
- The Honorable Lucy Nelson, Mayor and Mr. Nathan Hadley Jr., Assembly President Northwest Arctic Borough, Kotzebue, Alaska. (Confirmed) (In-person)
- Patrick Baker, Executive Director, Tribal Government of Saint Paul Island, Alaska. (Confirmed) (In-person)

11:20 AM
-12:40 PM AKDT
3:20-4:40 EDT:

*Panel #3: **Remarks from Industry** regarding the developing U.S. Arctic MTS from commercial interest vantages.*

Description: A panel of Arctic Industry Leaders that utilize the Arctic MTS as an integral part of their business ventures, such as shipping, fishing, resource extraction, tourism and more.

Desired outcomes: Increased exercise participant understanding in current and future plans of Arctic industry activities that utilize or affect the Arctic MTS. This includes industry plans to adapt to new fishing locations, new mineral extraction plans, new initiatives in shipping/transport and tourism.

Planned speakers:

- Ms. Elizabeth “Liz” Cravalho, NANA Corporation Vice President of Lands, Kotzebue, Alaska. (Confirmed) (Virtual)
- Ms. Gail Schubert, President and CEO, Bering Straits Native Corporation, Nome, Alaska. (Confirmed) (Virtual)
- Mr. David Clarke, President, Qilak, LNG, LLC, Anchorage, Alaska. (Confirmed) (In person)
- Mr. Nagruk Harcharek, Director, Barrow Operations, Ukpeagvik Inupiat Corporation, Utqiagvik, Alaska. (Confirmed) (In person)
- Ms. Stephanie Madsen, Executive Director, At Sea Processors, Juneau, Alaska. (Confirmed) (Virtual)



- Mr. Crawford Patkotak, Commissioner, U.S. Arctic Research Commission, Chairman, Arctic Slope Regional Corporation and Vice Chairman, Eskimo Whaling Commission, Utqiagvik, Alaska. (Confirmed) (Virtual)

12:40-1:40 PM AKDT

4:40-5:40 PM EDT: Working lunch. **Lunchtime speaker:** Understanding the current trajectories of Arctic maritime Shipping. What is industry planning and how should USCG and other responders better prepare?

- Mr. Mead Treadwell, CEO, Qilak LNG, LLC., Anchorage AK (Confirmed) (In person)

1:40-2:20 PM AKDT

5:40-6:20 PM EDT: **Panel #4: Remarks from Arctic MTS Operators and Analysts.** Current experts in industry and analysts provide their insights to developing U.S. Arctic MTS.

Description: A panel of Arctic MTS experienced leaders that provide safety technology, domain awareness & management as well as providing analysis and policy insights that are relevant to the developing U.S. Arctic MTS.

Desired outcomes: Increased exercise participant understanding in current and future aspects of the U.S. Arctic MTS in terms of safety, domain management, commercial trajectories, limitations and policy matters in association with the International Maritime Organization.

Planned speakers:

- Dr. Lawson Brigham, CAPT, USCG (Ret), Fellow, U.S. Coast Guard Center of Arctic Study and Policy, Global Fellow, Polar Institute Woodrow Wilson Center and Advisor, U.S. Arctic Research Commission, Eagle River, Alaska. (Confirmed) (In person)
- CAPT Ed Page, USCG (Ret), Executive Director, Marine Exchange of Alaska, Juneau Alaska. (Confirmed) (In person)
- CAPT Buddy Custard, USCG (Ret), President and Chief Executive Officer of the Alaska Chadux² Network, Juneau Alaska. (Confirmed) (in person)

Exercise session: “interactive roundtable” a facilitated set of discussions in a plenary setting, oriented to the critical facets of the developing Arctic MTS.

2:20-2:40 PM AKDT

6:20-6:40 PM EDT: **Understanding the current trajectories and associated effects from anticipated changes in Bering Sea fishing and Arctic maritime shipping.** A facilitated “just the highlights” discussion with Exercise participants to sketch the outlines of the current state of industry planning towards Arctic shipping and how should USCG and other responders better prepare?



- *Moderated by ADAC Executive Director (Church Kee) and ADAC Associate Director and Senior Research Professional (Olaf Roe) (Confirmed) (In Person)*

This discussion will include a Zoom poll (manual option provided for in-person participants that do not have laptop) for exercise participants oriented to the following questions:

1. What are some needed/definitive steps, useful for improving Bering, Chukchi and Beaufort Seas Waterways Management? (In light of rising traffic and increasingly difficult to predict meteorological conditions as well as surges in both technology innovation and emergent commercial pursuits in the region).
2. Improving understanding on the current trajectory of Arctic maritime activity, specifically commercial activity. In sum, what is industry planning and how should USCG and other responders better prepare? What are the impacts if the USCG does the same, more, or less with respect to planned safety measures in association for the Arctic MTS?
3. Compare and contrast Northern Sea Route, Northwest Passage activity, and projected activity for these two routes as well as the Transpolar shipping route as relates to U.S. Arctic MTS...what are the issues of concern in waterways management in the U.S. EEZ as relates to vessels accessing these Arctic waterways?

2:40-2:50 PM AKDT

6:40-6:50 PM EDT: Break

2:50-3:10 PM AKDT

6:50-7:10 PM EDT: **Blue economy and the Arctic.** What are the indicators and potentials to advance ocean-related industry into the Arctic and what are the implications as relates to safety and environmental security in the maritime and coastal regions? A facilitated “just the highlights” discussion with Exercise participants to sketch the outlines of the future potentials for developing a “Blue Economy” on the Arctic.

- *Moderated by Taylor Holshauser, Alaska Ocean Cluster, Anchorage Alaska. (Confirmed) (in person)*

3:10-3:30 PM AKDT

7:10-7:30 PM EDT: **Essential elements of Great Power implications towards Arctic MTS.** Speakers will address the basic contours of the rising competition between nations of significant economic and/or military power across the Arctic region, and relate this competition to the U.S. Arctic MTS. A facilitated “just



the highlights” discussion with Exercise participants to sketch the outlines of the future potentials for crisis and conflict in the Arctic.

Moderated by Church Kee, Arctic Domain Awareness Center (Confirmed) (In person).

3:30-4:15 PM AKDT

7:30-8:15 PM EDT:

“Participant Reflection” Open session. Informed by panels and presentations throughout the day, participants address the following topics in terms of needed ***policy, plans, guidance, authorities, and/or technologies.***² Note: Following the open discussion, participants (in person and virtual) will leverage Zoom polling to accomplish this activity. For in-person participants without laptop, poll will be conducted manually.

1. What are some needed/definitive steps, useful for improving Bering, Chukchi and Beaufort Seas Waterways Management? (In light of rising traffic and increasingly difficult to predict meteorological conditions as well as surges in both technology innovation and emergent commercial pursuits in the region).
2. Aspects to consider for Arctic Maritime Studies. In sum, what new baseline studies are needed to understand Industry and Maritime Service needs in the medium and longer term for analysis associated with U.S. Arctic MTS?
3. Improving understanding on the current trajectory of Arctic maritime activity, specifically commercial activity. In sum, what is industry planning and how should USCG and other responders better prepare? What are the impacts if the USCG does the same, more, or less with respect to planned safety measures in association for the Arctic MTS?
4. Blue economy and the Arctic. What are the indicators and potentials to advance ocean-related industry into the Arctic and what are the implications as this relates to safety and environmental security in the maritime and coastal regions?
5. Suggested solutions to advance collaboration within the prevention and response community in association with the U.S. Arctic MTS. How can industry and coastal communities’ better partner with USCG and other government agencies to advance improved safety and security for the Arctic MTS?

4:15-4:30 PM AKDT

² Note: Due to lateness in the day and the hybrid format, exercise team has transitioned this activity from breakout to open roundtable discussion



8:15-8:30 PM EDT: **Participant voting.** Each participant will exercise the Zoom poll option as discussed above.

4:30-4:35 PM AKDT

8:30-8:35 PM EDT: Brief review for evening working dinner (previous session will be discussed at dinner).

4:35 PM AKDT

8:35 PM EDT: **Close of Exercise Day 1**

6:15-8:30 PM AKDT: Working dinner, **The Residence of the Former Lt Governor, Mead Treadwell**, Anchorage. Address to be provided to in-person participant
Review and summary analysis of answers to questions and prioritized voting aggregated by self-identified functional alignment.

Thursday, 6 May 2021, Exercise Day 2

7:00-7:45 AM AKDT: Registration & continental breakfast. Lucy Cuddy Hall/Gorsuch Commons, University of Alaska Anchorage (UAA).

7:45-8:00 AM AKDT

11:45 AM-

12 Noon EDT: **Welcome back overview/orientation of Day 2**

8:00-8:15 AM AKDT

12:00-12:15 PM EDT: **Warmup address:** “Framework and essential elements of a successful future Arctic MTS... areas of focus to pursue and areas of concern to avoid.”

8:15-8:25 AM AKDT

12:15-12:25 PM EDT: **Tabletop Exercise Instructions**

8:30-8:45 AM AKDT

12:30-12:45 EDT: Exercise Move #1 Overview Scene Setting (Video #1)

Note: Each move video is conducted in two steps...an initial scenario, followed by a follow-up scenario. After each video clip, moderator will guide “around the room, and around the net” for exercise inject/commentary.

8:45-10:30 AM AKDT

12:45-2:30 PM EDT: Exercise Move #1: **Disabled oil tanker Bering Straits blown onto known obstacles.**

1. Around the room
2. Around the net

10:30-10:45 AM AKDT

2:30-2:45 PM EDT: Break



10:45-11:00 AM AKDT

2:45-3:00 PM EDT: Exercise Move #2 Overview Scene Setting (Video #2)

11:00 AM

-12:30 PM AKDT

3:00-4:30 PM EDT: Exercise Move #2: **Congested waterways impact subsistence hunting.**
1. Around the room
2. Around the net

12:30-1:30 PM AKDT

4:40-5:30 PM EDT: **In-place lunch. Lunchtime presentation,** Understanding the developing Alaskan and U.S. Arctic economic outlook...what possibly can the maritime prevention and response community anticipate in terms of economic growth?

- Mr. Bill Popp, Executive Director, Anchorage Economic Development Corporation, Anchorage AK (Confirmed) (In-person)

1:30-1:35 PM AKDT

5:30-5:35 PM EDT: Break/reconvene.

1:35-1:50 PM AKDT:

5:35-5:50 PM EDT: Review and “hot wash” key aspects of Move #1 & 2.

1:50-2:05 PM AKDT

5:50-6:05 PM EDT: Exercise Move #3 (Video #3)

2:05-3:50 PM AKDT

6:05-7:50 PM EDT: Exercise Move #3: **Chukchi Sea & Bering Straits Economic Boom and associated Security Concerns in U.S. and Russia.**
1. Around the room
2. Around the net

3:50-4:05 PM AKDT

7:50-8:05 PM EDT: Review and “hot wash” key aspects of Move #3.

4:05-4:25 PM AKDT

8:05-8:25 PM EDT: Exercise insights, overall assessment and conclusion. HQ USCG Senior Arctic Policy Advisor supported by ADAC.

4:25 PM AKDT

8:25 PM EDT: Exercise conclusion.



Exercise Conclusion

ADAC believes **Arctic Maritime Horizons** will successfully address a myriad of topics important to the USCG's Arctic mission set in a very constrained timeframe. The Center will gain needed Arctic minded experts from government, operators, academics, and industry from the international community and the U.S. to conduct a series of short essential information briefs followed by "speed discussions" in breakout groups, following in rapid succession in a busy, nearly whirlwind pace. This is a new format and approach, but the center will ensure skillful presenters and moderators and recorders guide and secure what is sure to be a large volume of critical insights from participants. ADAC will diligently record and publish discussions and insights for USCG in a timely and responsible manner.

