



7 Dec 2020

International Cooperative Engagement Program for Polar Research
(ICE-PPR)

U.S. Delegation to ICE-PPR Situational Awareness Working Group
(USSAWG)

Meeting agenda for ICE-PPR USSAWG, 7 Dec 2020

The following is the planned agenda for the ICE-PPR USSAWG meeting planned for Monday, 7 Dec 2020, 9-10:15 AM Alaska/1-2:15 PM Eastern Daylight Time via Microsoft Teams:

1. Update from the most recent U.S. ICE-PPR Principals, and ICE-PPR Executives meeting.
 - a. Provided by US ICE-PPR XO, **John Woods**.
 - b. Note: **ICE-PPR MOU** is now in full effect.
2. Update on ICE-PPR Situational Awareness Working Group SWAG Lead **Soren Laursen** (Denmark)).
3. Overall Summary Update by USSAWG Lead Church Kee and USSAWG XO, LCDR Winchell (USNR)
 - a. Welcome of new members from Air Force Research Laboratory.
 - b. Summary review of briefing provided to CNR, RADM Lorin Selby, US ICE-PPR Executive.
 - c. Review of Canadian DRDC Hosted ICE-PPR Sharepoint site for hosting materials.
4. New Business: Information briefings:
 - a. **e-LORAN** Briefing by **Trowbridge “Bridge” Littleton** Founder & President | Hellen Systems, LLC
 - b. **ABBA** Orientation discussion by **CDR William Wren**, Naval Forces Europe, N6 (Communications)
 - c. U.S. Coast Guard Pacific Area Emerging Situational Awareness Maritime Technology Update by **Dr. Phil McGillivray** USCG Science Director, U.S. Coast Guard Pacific Area Command, Alameda California.
 - d. Future briefings:
 - i. Iridium’s GMDSS program.
 - ii. ADAC Arctic Ice Conditions Index ARCTICE program.
 - iii. Arctic Laboratory Partnership Program.
 - iv. Follow-up on Satellite-based experiment for Link-16.
 - v. Inputs from specific communities on government or commercial advances from the USSAWG team? Looking for ideas from NAVEUR, OPNAV, AFRL, ONR, USCG R&D Center, others?
 - e. Discussions on Project agreements
5. Old business:



- a. ADAC hosted “Polar Communications and Connectivity Assessment”
 - i. A planned comprehensive unclassified study on the shortfalls in maritime communications and connectivity that affects both military and commercial vessels operating in polar regions.
 - ii. Approximately 15-month planned assessment timeframe.
 - iii. Assessment seeks to establish a baseline of developing advances in polar region communications from a multi-discipline vantage.
 - iv. What other similar forums are USSAWG participants involved with that may provide opportunity for ICE-PPR?
 - b. Characterizing/forecasting weather and the operational polar environment.
 - i. U.S. Research community is developing better observations and models.
 - ii. What advances for characterizing the polar regions are coming from NOAA/NWS useful for ICE-PPR?
 - iii. Recommendations in how to best access these to contribute to the ICE-PPR medium?
 - iv. Should ICE-PPR solicit input from developments from the forecasting/characterizing and/or research community?
6. Looking forward...new initiatives oriented to:
- Navigation (in particular, non-GPS aided)
 - Communications (both terrestrial and space based)
 - Sensors (which rightly should include buoys)
 - Decision Support and Domain Awareness tools (which include multisource data aggregation and integration).
7. What aspects of ICE-PPR that you find interesting and a corresponding willingness to invest more time and effort? Conversely, what aspects of ICE-PPR is less useful and correspondingly provides less incentive to collaborate?
- a. Inputs from participating members
 - b. Volunteers for future briefings?
8. Roundtable with participating members.
9. Next Meeting, Tuesday, 19 January 2021, 9 AM Alaska/1 PM Eastern, pending no concerns of USSAWG.
10. Communications Link: 7 Dec 2020 from 9-10:15 Alaska/1-2:15 Eastern for ICE-PPR US SAWG meeting.

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