



17 Sep 2020

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

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

#### Current overview of ICE-PPR USSAWG

The USSAWG formed in early May and has participated in overall ICE-PPR SAWG, led by Danish lead and has conducted 3 meetings (approximately monthly) since. The next USSAWG meeting is planned for 3 Oct 2020.

ICE-PPR SAWG is seeking project agreements in polar connectivity and communications, navigation and domain awareness technologies. Domain awareness technologies include satellites, sensors and long range/over the horizon radars.

USSAWG recommended to overall Danish lead that USSAWG's preference for Orientation of overall collaboration according to a "Mission"...oriented to finding solutions to known gaps and shortfalls for the operational challenges in the Polar operating regions. This is principally for Peacetime missions (SAR/HA/DR and DSCA and crisis response. (such as low intensity conflict)

Science and technology for USSAWG is oriented to establishing areas of interest to share with Danish lead for multinational project areas that Inertial Navigation Systems, Advanced diamond magnetometer systems, tactical/operational domain awareness, connectivity and communications. Ideas for Polar communications and domain awareness collaboration includes Link 16 (line of sight) and Link 22 (beyond line of sight).

Lastly, USSAWG notes there are advances in and coming capability in planned polar orbiting commercial satellites. Accordingly, the group is trying to discern if there are commercial advances that can benefit the ICE-PPR SAWG in this area.

