



A
Arctic

I
Information

F
Fusion

C
Capability

Arctic Information Fusion Capability (AIFC) project supported operational decision makers in the maritime domain ranging from operational commanders, to tactical operators, to community-based observers. AIFC fused together a wide array of near real-time, high resolution data sources into a cohesive and easy to understand interface. The project took in satellite imagery, environmental models, local sensors, web-based communications, and appropriate social networking feeds to gain domain awareness in support of operational decision making by responders in the field.

Arctic Information Fusion Capability (AIFC) seeks to support operational decision makers in the maritime domain ranging from operational commanders to tactical operators to community-based observers. AIFC seeks strives to gain two-dimensional geographic orientation of precision mapping data, near-real-time and high-resolution satellite imagery incorporated with available modeling, sensors, webbased communications and appropriate social networking feeds to gain domain awareness in support of operational decision making and interface with humans and responders in the field.

Further, AIFC will provide elements of domain awareness from a 3-dimensional column view to gain insights vertically from seabed to surface and surface skyward. AIFC seeks to achieve a near-real-time and forecast decision support that can transition to intelligent decision support in a follow-on phase. AIFC near-real-time products are planned for rapid delivery as possible following capture and processing of the observation. In general, near real-time is a qualitative descriptor. In the AIFC context, it refers to products delivered between a few seconds up to 30 minutes following capture.

