NOAA PMEL identified the need for 16 Popup floats to be built and ready to deploy in an array west of M8 during the Spring/Summer field season of FY19.

These are specifications that the Iridium 9603 Short Burst Data (SBD) Modem must have:

* Dimensions 45.0mm x 45.0mm x 15.0mm [For integration into printed circuit board (PCB)]
* 5v DC power input, minimum 100mA for powered operation
* MUST HAVE A SLEEP STATE TO CONSERVE POWER BETWEEN TRANSMISSIONS
* Ability to send 340 bytes per message
* UART interface exposed on the header connector
* Two mounting holes on PCB
* Molex 51021 header connector
* Iridium Modem 9603 short burst transceiver
* PCB with SMA connector
* Power input and output via direct header or FTDI/USB
* Operating temperature from -40 degrees C to 85 degrees C
* Tested by CE, FCC, and with Iridium Approval