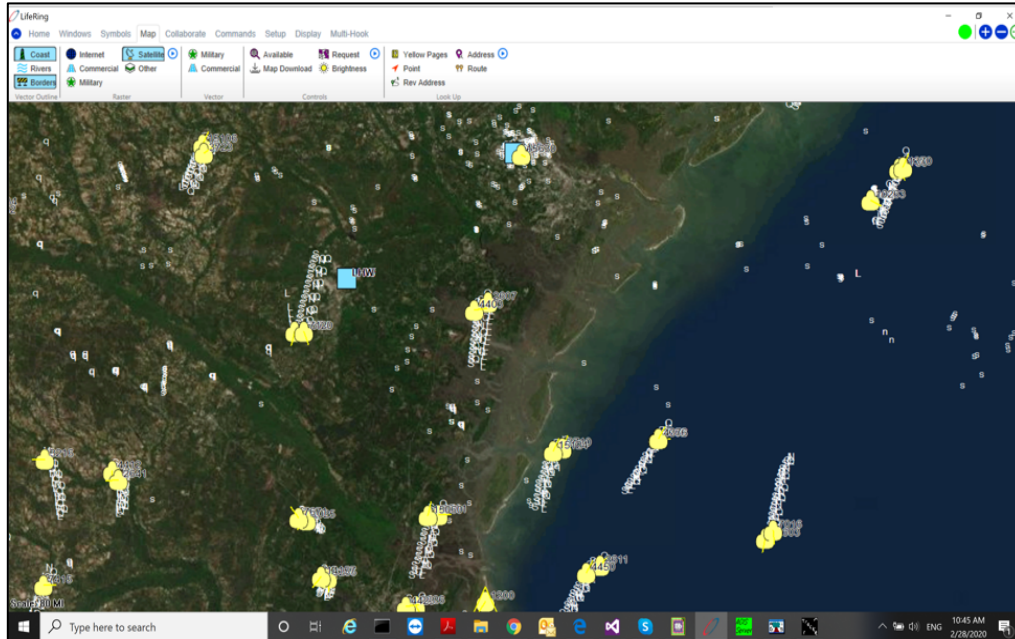


LifeRing Performs Both Single Radar and Multiple Sensor Tracking

LifeRing performs both single radar and multiple sensor tracking. This includes sensors that have built-in trackers and provide symbols that denote location, speed and heading (or tracks), and sensors that simply provide a basic azimuth and range location data (or plots).



When LifeRing is linked with radar data or other sensors that provide a track, the incoming track is assigned a Track Number to identify each track from other tracks. The Track Number is then transmitted using the correct protocol and format (Link -16, JVMF, OTH Gold, MDDL, etc.) to the C4I systems to which LifeRing is interfaced. If additional radars are also providing tracks, the tracks are examined to determine if they are at a proximal location and have the same speed and heading. If the tracks remain in close-proximity over time, a software algorithm is applied to determine whether there is one track or multiple tracks positioned very close to each other. In the case of ship tracking, if ship Automatic Information System (AIS) transponder data is also available, it can be used to determine if there is more than one vessel at a certain location. In the case of aircraft tracking, if aircraft Information Friend or Foe (IFF) transponder data is available, it can be used to assist in determining whether there is one or more aircraft in close-proximity. When only the transponder AIS or IFF data is available, LifeRing uses it as the basis to create a track that can be transmitted to the interfaced C4I systems.

When LifeRing is receiving data from sensors that provide only plots, they have to be processed to determine whether they are just noise from the sensor (weather, birds, waves, mountain tops, etc.), or whether there is a likelihood that they are representing a ship or an aircraft (see the white dots that are not associated with any symbol). Software processing is then used to reject this noise information thereby leaving only plots that have a sensible sequential motion. LifeRing then performs a tracking algorithm on the remaining plots to develop tracks.

LifeRing – Complete, Affordable C4I Everywhere!

To download a Thick Client evaluation copy of LifeRing, go to: www.agisinc.com/download or email us at support@agisinc.com. All other inquiries, please contact Jason A'Hearn jahearn@agisinc.com or Cap Beyer at beyerm@agisinc.com or by phone at 561-744-3213.



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