

GEMAP

GENERIC MULTI ARRAY INTERCEPT PROCESSOR

ENGINEERING CONTROLS

To allow operation of the processing system under high reverberation and / or non-ideal sea conditions the **GEMAP** system allows the operator full control of various processing parameters, including control over the zero crossing, pulse detection and contact fusion algorithms.

OPERATOR CONTROLS

The Operator Controls allow configuration and setup of the following parameters:

- Frequency and bearing inhibit bands
- Bearing, Frequency and Time windows for the contact association
- Contact deletion management
- Environmental settings

INPUT DATA TYPES

Input data types can conform to any open standard, a set of translation applications are provided to suit a number of input types.

OPEN ARCHITECTURE

The system can be configured to run on any Windows™ compatible PC. Clear definitions of input data and contact display messages are provided.

RECORDING EQUIPMENT (GEMAR)

To complement the recording of array data for replay through the **GEMAP** system, ALS technologies has designed a fully open Generic Multi Array Recorder (**GEMAR**) that can be used for digitising and recording the front end array analogue signals to a high resolution. Fully scaleable for use with Intercept, Towed or Bow arrays.

Contact ALS Technologies to discuss the full detailed specifications and to arrange a demonstration of the GEMAP capabilities.

Display Formats

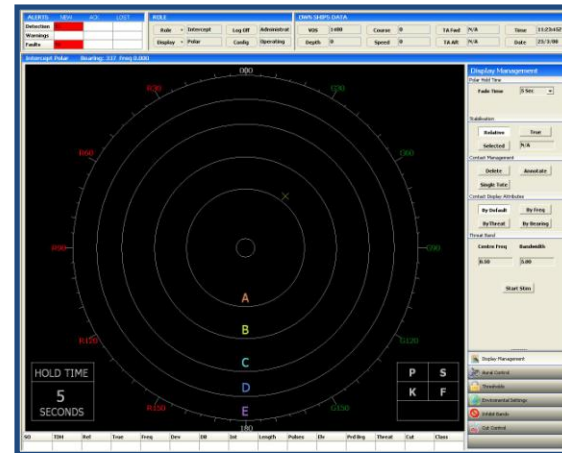


Fig 2 – Fusion POLAR Window
Synthetic Contacts are scaled (in frequency or amplitude) and displayed via the Plan Position Indicator (PPI) Window

Capabilities

- Fusion Polar Window
- Bearing, Frequency and Target Strength
- Scaleable by Frequency or Amplitude