

**ONE RANGE SELECTION FROM EACH ORIENTATION IS REQUIRED FOR MONITORING.**

- WITHIN EACH ORIENTATION, DISPLAY TOGGLES BETWEEN ORIENTATIONS
- EG FOR LONGITUDINAL TYPE, IF FORWARD IS SELECTED, AFT IS DESELECTED

**STATES**

- GRID-ONLY RANGE
- CONTACT RANGE

HIGHLIGHTED EDGE OF GRID INDICATES ZERO RANGE

**ARRAY WIDGET IS CONFIGURED AS ORIENTATION AND DIRECTION**

- LONGITUDINAL
- LATERAL
- PORT
- STARBOARD
- FORWARD
- AFT

**AND MONITOR CHANNEL**

- EMDAR 1-4
- LOCAL

**WHEN TOUCHED:**

- THIS ORIENTATION IS SET AS ACTIVE AND A HIGHLIGHT LINE IS DISPLAYED AT SELECTED RANGE
- ANY HIGHLIGHT BAR ON THE OPPOSITE ORIENTATION DISAPPEARS
- THE RANGE AND ORIENTATION ARE SET AS THE MONITORED VALUE FOR THAT TYPE

**POSITION ADJUSTMENT:**

- TOUCH MAY NOT GIVE THE EXACT RANGE REQUIRED
- THESE BUTTONS ARE USED TO MOVE THE HIGHLIGHT BAR ONE GRID POSITION UNTIL THE DESIRED RANGE IS FOUND
- SELECTED RANGE IS DISPLAYED NUMERICALLY

**EACH BUTTON TOGGLES DISPLAY OF THAT EM-RANGE ON OR OFF**

- SETS EM-RANGE FOR THIS MONITOR CHANNEL TO ON OR OFF
- IF ALL IS ON, SELECTING ANOTHER CHANNEL ALSO SETS ALL TO OFF

**POSITION OF INDICATOR BASED ON BEARING**

- SHOWS INDICATOR STATE (NOT CONTROL STATE)

**EMDAR MONITOR**

DISPLAYS BEARING AND RANGE CALCULATE FROM THE LONGITUDINAL AND LATERAL RANGES SELECTED ON ARRAYS

**STATES**

- DISPLAYING ARRAYS
- DISPLAYING CONTACT

**RADIO BUTTON ARRAY**

- SELECT ONE TO CREATE A CONTACT BASED ON SELECTED CONTACT TYPE (EG UV)
- CREATES A CONTACT OBJECT WITH AN AUTO-NUMBER

**VIEW BUTTON**

- WHEN VIEW IS PRESSED, TRANSFERS CONTACT DATA TO EMDAR MONITOR SO RANGE CAN BE REFINED USING ARRAYS
- TOGGLES TO UPDATE
- WHEN UPDATE IS PRESSED, TRANSFERS CURRENT MONITOR DATA BACK TO CONTACT

**CONTACT**

AN OBJECT CONTAINING MONITOR DATA AT TIME OF CREATION

ALLOWS TRACKING OF UP TO 12 CONTACTS

TIME ELAPSED SHOWS HOW OLD DATA IS (SINCE CREATION OR UPDATE)

**STATES**

- AVAILABLE (EMPTY)
- DESIGNATED IN USE
- ACTIVE ON MONITOR
- TRACKED (VIA NARROWBAND)

**NARROW BUTTON**

INITIATES A NARROWBAND SCAN TO THIS GRID LOCATION. IF SCAN SUCCESSFUL, CONTACT IS TRANSFERRED TO THE GRID

- PRESS THIS BUTTON AND THEN SELECT NARROWBAND ARRAY TO INITIATE SCAN
- IF SCAN IS SUCCESSFUL, BUTTON TOGGLES TO 'RELEASE' (WHICH WHEN PRESSED CEASES TRACKING AND MAKES THE NARROWBAND ARRAY AVAILABLE)

**CLEAR**

CLEAR ALL CURRENT CONTACTS FROM THE DISPLAY BUT DOES NOT RESET NUMBERING SEQUENCE

**RESET**

RESETS THE NUMBERING SEQUENCE IF CONTACTS ARE STILL ON DISPLAY WHEN A REST IS PERFORMED, EXISTING CONTACTS WILL BE OVERRITTEN

**RECALL (not for MVP)**

OPENS A POPUP THAT LISTS PREVIOUS CONTACTS FROM THIS SESSION. THESE CAN BE SELECTED TO ADD BACK TO THE CONTACT LIST

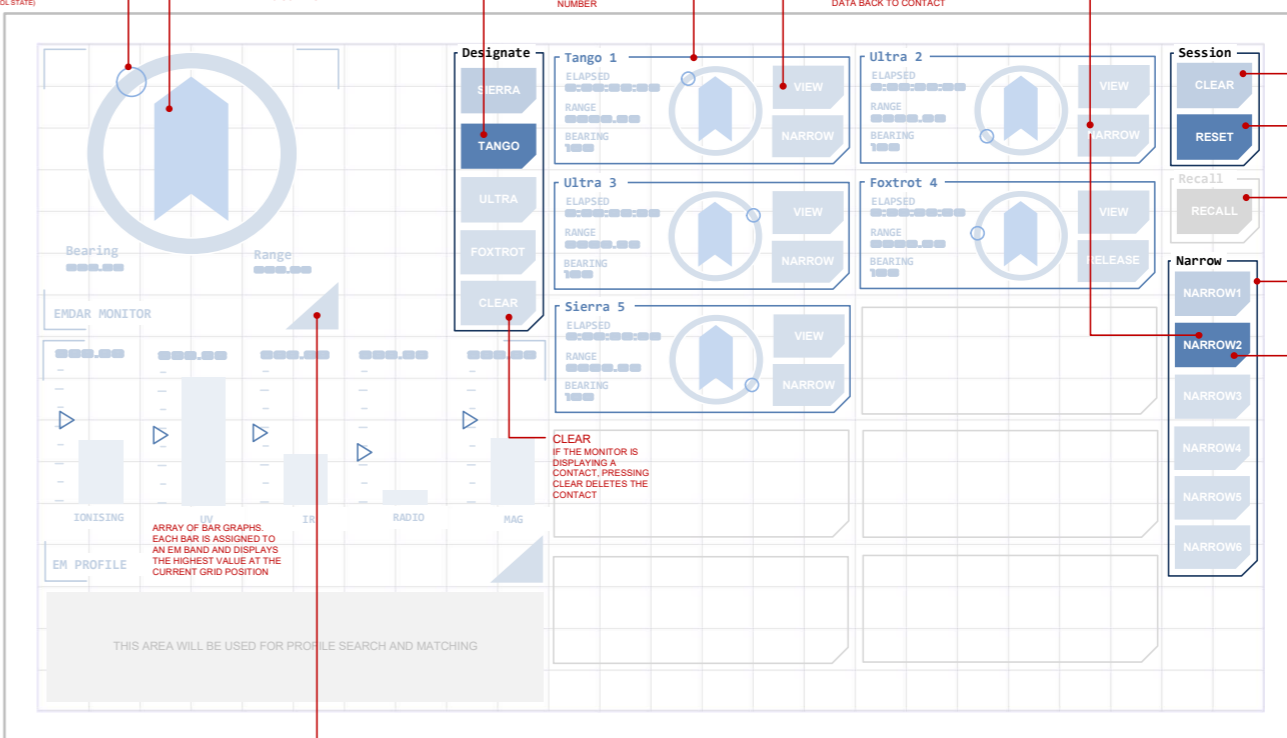
**NARROWBAND ARRAYS**

**STATES**

- OFFLINE/UNAVAILABLE
- AVAILABLE
- ASSIGNED IN USE

**NARROWBAND BUTTON**

WHEN NARROWBAND ARRAY IS IN USE, PRESSED THIS WILL HIGHLIGHT THE BORDER OF THE CONTACT IT IS ASSOCIATED WITH



**FOUR EMDAR MONITORING CHANNELS**

- EG UP TO FOUR INDEPENDENT EMDAR CONSOLES ARE POSSIBLE ABOARD SHIP
- ARRAY CHANNEL DEFINED DURING CONSOLE CREATION