IBRD

☐ Implementation of the IBRD in the Southern Hemisphere and some considerations and challenges for its successful implementation.

COSPAS-SARSAT

- Cospas-Sarsat detect and locate distress alert transmissions from radio beacons operating at 121.5, 243 and 406 MHz

- It include the unique 15-character hexadecimal identification of the transmitting beacon.

- This identification is decoded to obtain detailed information such as:

  - Type of beacon, i.e. ELT, EPIRB or PLB,
  - country code,
  - type of auxiliary radio locating (homing) device, etc.

IBRD INFORMATION

☐ If a 406 MHz distress beacon has been properly registered and the required information has been provided to the registration authority additional information will be available, such as:

- the aircraft or vessel identification,

- type of aircraft or vessel,

- communications equipment on the vessel or aircraft,

- number of persons in distress.

IBRD RESGISTRATION

- A number of countries have made 406 MHz beacon registration mandatory and maintain a national 406 MHz beacon registration database

- Registration of 406 MHz beacons is also required in terms of ICAO and IMO regulations

- In addition, registration information must be made available to SAR services on a 24-hour basis in case of an emergency.

SAR CHALLENGES

- Despite the clear advantage of registration, a large number of 406 MHz beacons are not properly registered due to a lack of registration facilities in a number of countries.

- Furthermore, a number of beacon registers do not have 24-hour points of contact easily accessible by SAR services.

ESTABLISH IBRD

☐ Cospas-Sarsat established an International 406 MHz Beacon Registration Database (IBRD):

- available to users when no national registration facilities have been implemented, and

- to Administrations who wish to avail themselves of the facility to make their national beacon registration data available to SAR services.

IBRD DATA

- The IBRD is Internet based is freely available to users with no access to national registration facilities and to

- Administrations who wish to use the facility to make their national beacon registration data available to SAR services.

- The IBRD provides various levels of access to:
  - beacon owners who wish to register their beacons,
  - Administrations who wish to make registration data available to international SAR services, and
  - SAR services that need to access beacon registration data to efficiently process distress alerts.

IBRD PROVISIONS

- Cospas-Sarsat provides the IBRD solely for the purpose of assisting SAR Services in SAR operations.

- It is not intended to fulfill the obligation of National Administrations, as required by IMO and ICAO, to provide a National beacon registration facility.
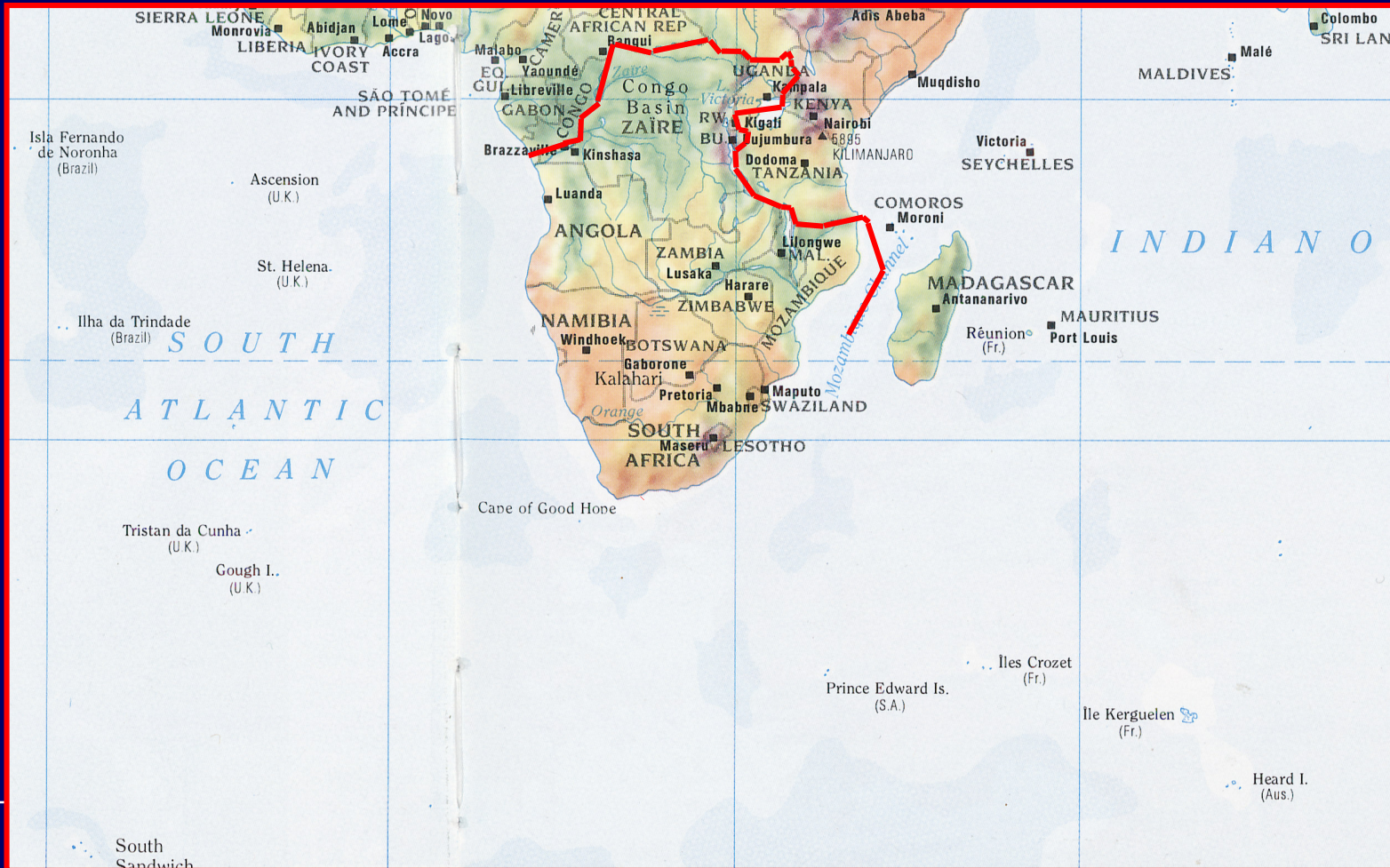
BEACON REGISTRATION FORM

406 MHz EPIRB Registration Form.doc

BEACON DATABASE.doc

ASMCC SERVICE AREA

THANK YOU