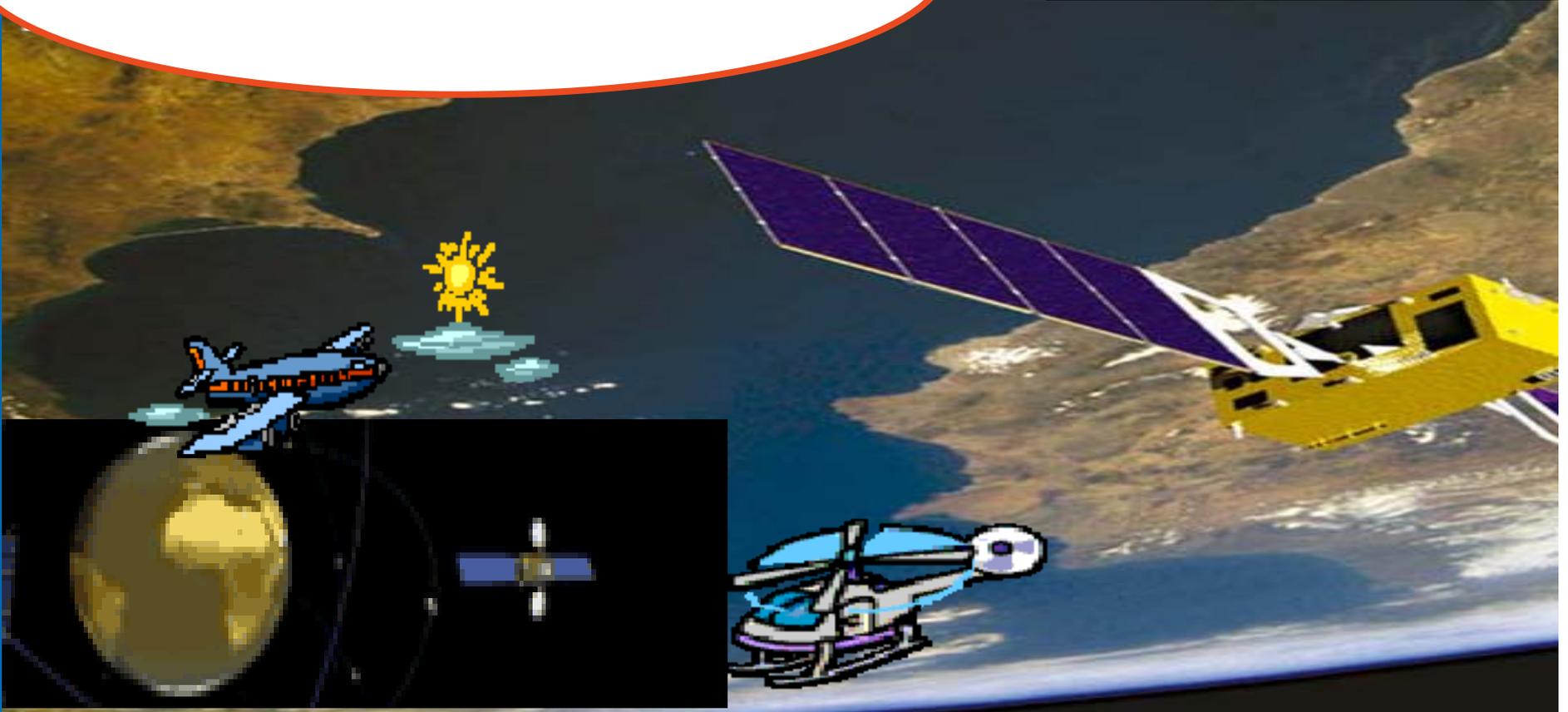


# DR SAR & SARSAT OVERVIEW



**LIC. RAMON ANTONIO PIRON BAUTISTA**  
**DR AERONAUTICAL SAR MANAGER & SARSAT SPOC**  
UN/US SARSAT TRAINING, MIAMI, FL, JANUARY 19-23, 2009.

# INTRODUCTION



- 1.- DR CIVIL AVIATION AUTHORITY (IDAC)
- 2.- DR ICAO/IMO RELATIONSHIP
- 3.- DR LEGAL SAR FRAMEWORK
- 4.- DR SAR REGION (SRR)
- 5.- DR ADJACENTS SRR´s
- 6.- DR NATIONAL AND INTERNATIONAL SAR AGREEMENTS
- 7.- DR SAR SIMULATION
- 8.- DR SARSAT ALERT MESSAGE
- 9.- DR SARSAT CODE AND POINT OF CONTACT
- 10.- DR SARSAT SUMMARY
- 11.- SARSAT COORDINATION WITH OTHERS COUNTRIES
- 12.- RESPONSABILITIES FOR BEACONS ACTIVATION WITHIN DR SRR
- 13.- SARSAT AND SAR CASES THAT DEMONSTRATE BEST PRACTICES

# DR CIVIL AVIATION AUTHORITY (IDAC)

ACCORDING TO THE LAW 491-06 THE CIVIL AVIATION AUTHORITY IS RESPONSIBLE FOR PROVIDING AIR NAVIGATION SERVICES WITHIN DR FLIGHT INFORMATION REGION (FIR).



IDAC ALSO PROVIDES METEOROLOGICAL  
INFORMATION WITHIN DR AIRSPACE.



# DR ICAO/IMO RELATIONSHIP

- DR IS ICAO CONTRACTING STATE SINCE DECEMBER 7, 1944



ICAO: INTERNATIONAL CIVIL AVIATION ORGANIZATION

# DR ICAO/IMO RELATIONSHIP

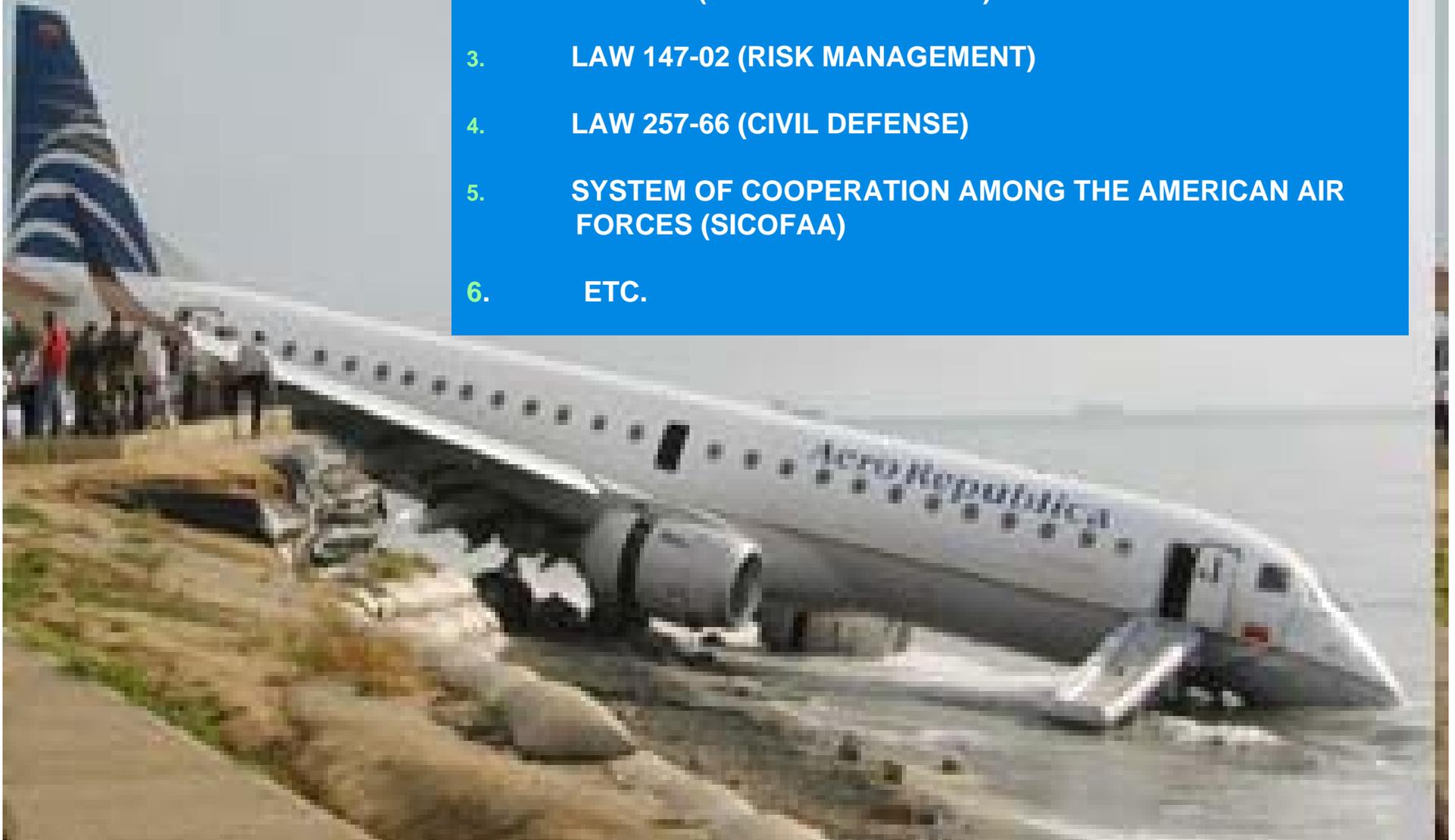
DR IS ALSO IMO MEMBER STATE SINCE  
OCTOBER 24, 1945



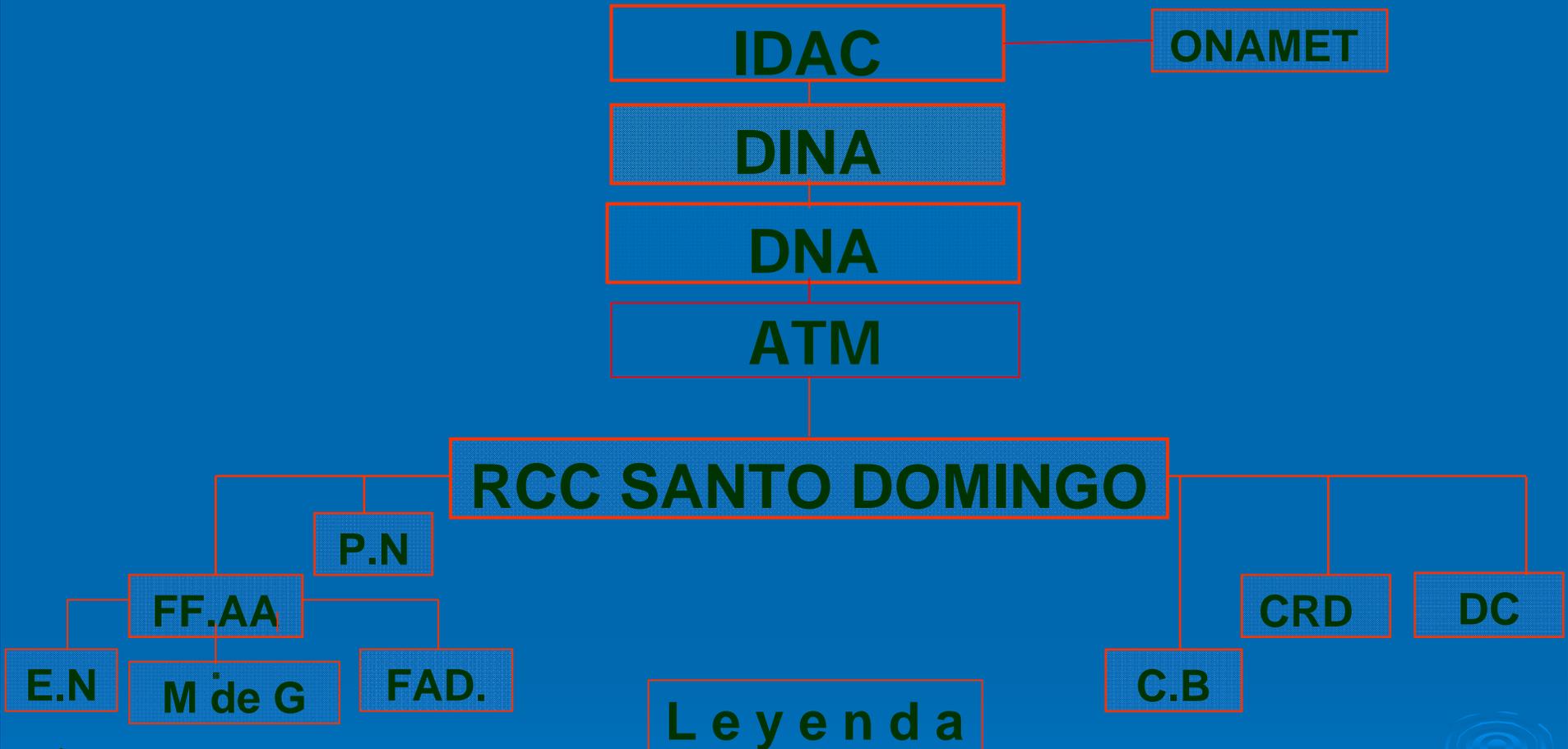
IMO: INTERNATIONAL MARITIME ORGANIZATION

# DR SAR LEGAL FRAMEWORK

1. LAW 491-06 (CIVIL AVIATION AUTHORITY).
2. LAW 873 (DR ARMED FORCES)
3. LAW 147-02 (RISK MANAGEMENT)
4. LAW 257-66 (CIVIL DEFENSE)
5. SYSTEM OF COOPERATION AMONG THE AMERICAN AIR FORCES (SICOFAA)
6. ETC.



# DR AERONAUTICAL SAR ORGANIZATION

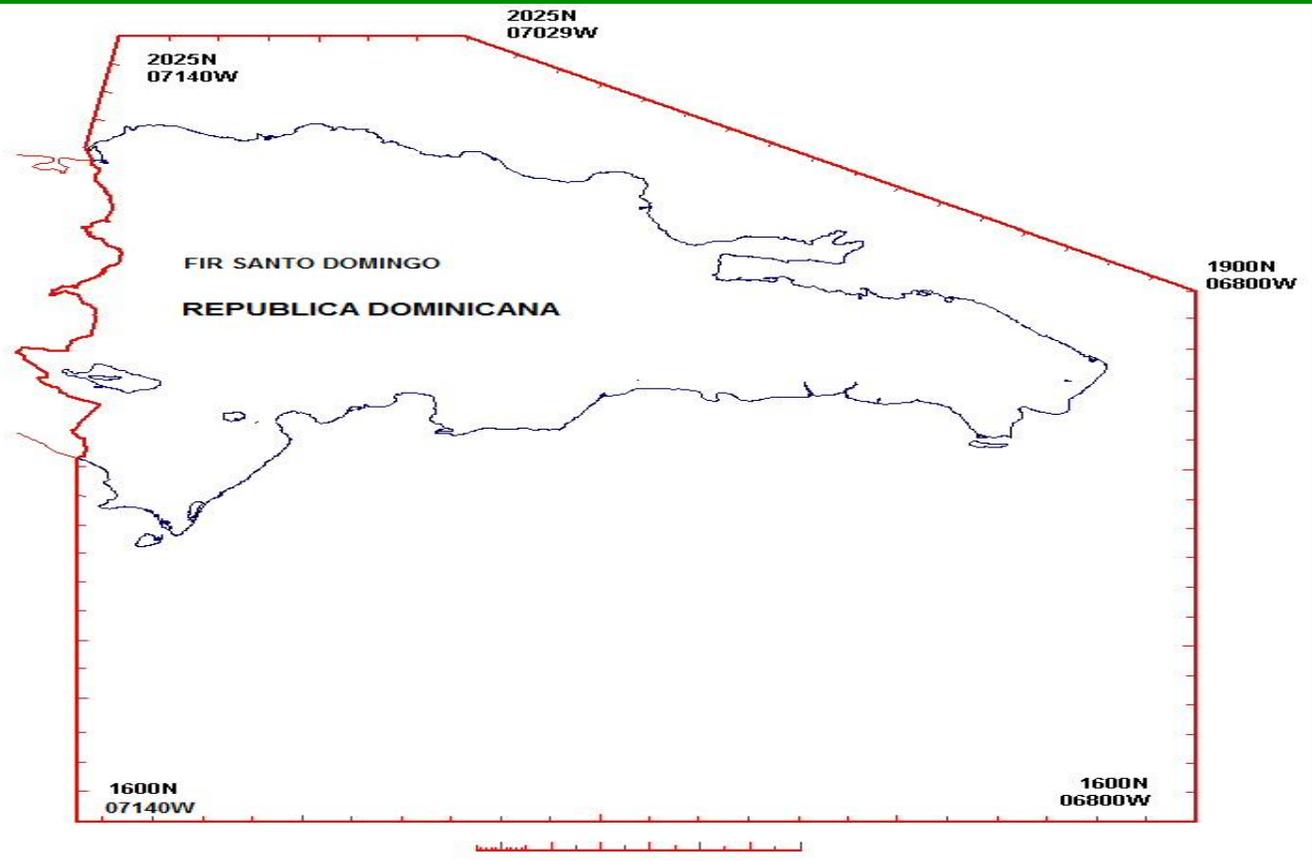


## Leyenda

IDAC – INSTITUTO DOMINICANO DE AVIACIÓN CIVIL  
DINA – DIRECCION DE NAVEGACION AEREA  
DNA – DEPARTAMENTO DE NAVEGACION AEREA  
ATM- AIR TRAFFIC MANAGEMENT  
SAR – BÚSQUEDA Y SALVAMENTO  
FF.AA – FUERZAS ARMADAS  
D.C. – DEFENSA CIVIL

C.B. – CUERPOS DE BOMBEROS  
CRD – CRUZ ROJA DOMINICANA  
ONAMET – OFICINA NACIONAL DE METEOROLOGIA  
E.N. – EJERCITO NACIONAL  
M de G – MARINA DE GUERRA  
F.A.D. – FUERZA AEREA DOMINICANA  
P.N. – POLICIA NACIONAL

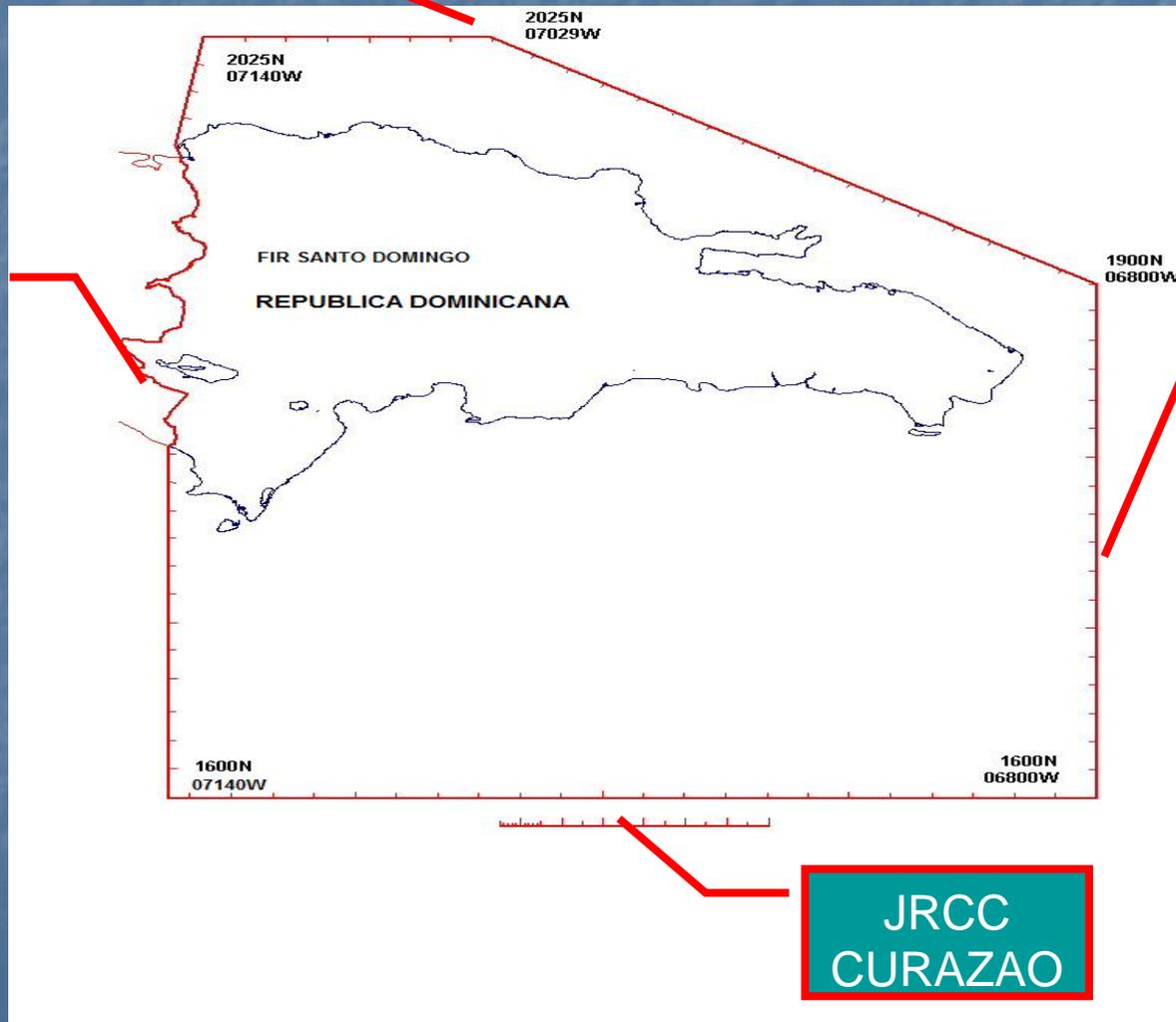
# DR SAR REGION (SRR)



# DR ADJACENTS SRR 's

RCC  
MIAMI

HAITI SPOC  
DESIGNATED  
BY THE UN



USCG  
SECTOR  
SAN JUAN

JRCC  
CURAZAO

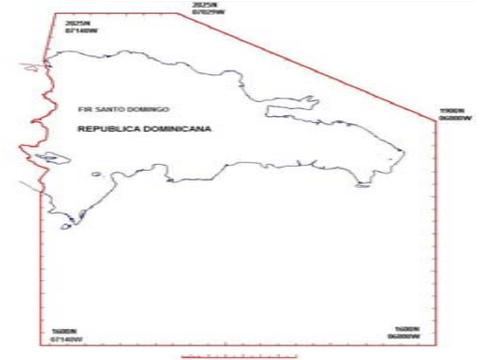
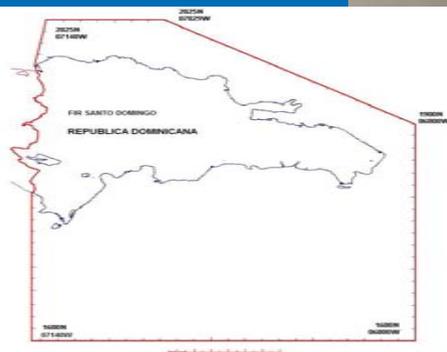
# DR SRR/FIR

- THE DR SEARCH AND RESCUE REGION (SRR) HAS THE SAME BOUNDARIES THAT OUR FLIGHT INFORMATION REGION (FIR).



DR SRR

DR FIR



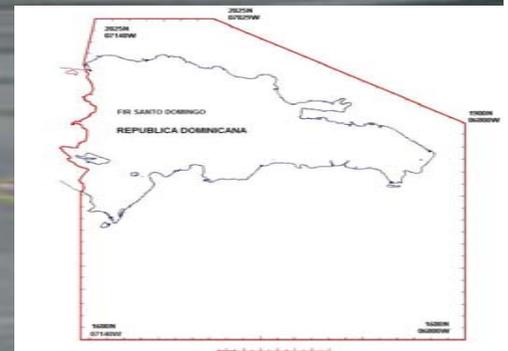
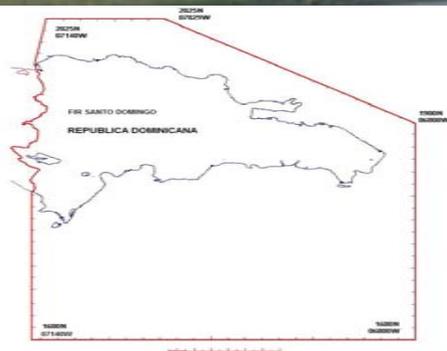
# DR SRR/FIR

BOTH BOUNDARIES (SRR/FIR) ARE RECOGNISED BY ICAO AS WELL AS IMO.



DR SRR

DR FIR



# DR NATIONAL AND INTERNATIONAL SAR AGREEMENTS



# 1.- NATIONAL AGREEMENTS

SIGNED AUGUST 4, 2005

## a) DR MAIN MARITIME CLUB



# NATIONAL SAR AGREEMENTS TO BE SIGNED

- NATIONAL AIRLINES ASSOCIATION

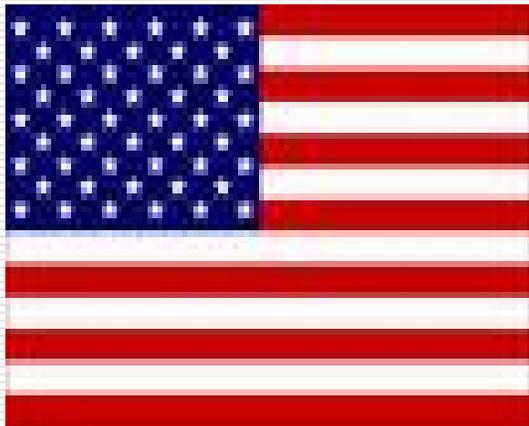


## 2- INTERNATIONAL SAR AGREEMENTS

### a) USA-DR SAR AGREEMENT

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SIGNED IN 1992, AMENDMENT IN 2003



## 2- DR INTERNATIONAL SAR AGREEMENTS

### b) NETHERLANDS ANTILLES & ARUBA.

SIGNED IN JUNE 14, 2007



# THE U.S. COAST GUARD SECTOR SAN JUAN IS OUR PRIMARY INTERNATIONAL SPOC

USCGC CORAGEOUS (WMEC 622)





**USCG SECTOR SAN JUAN COOPERATION DURING  
TROPICAL STORM OLGA**



**U.S. ARMY COOPERATION DURING TROPICAL STORM NOEL**



# CIVIL DEFENSE SAR UNIT



**AIR FORCE SAR UNIT**



**RED CROSS SAR UNIT**



# DR SAR SIMULATION



➤ EVERY YEAR A SAR SIMULATION IS CONDUCTED BY THE DOMINICAN AIR FORCE





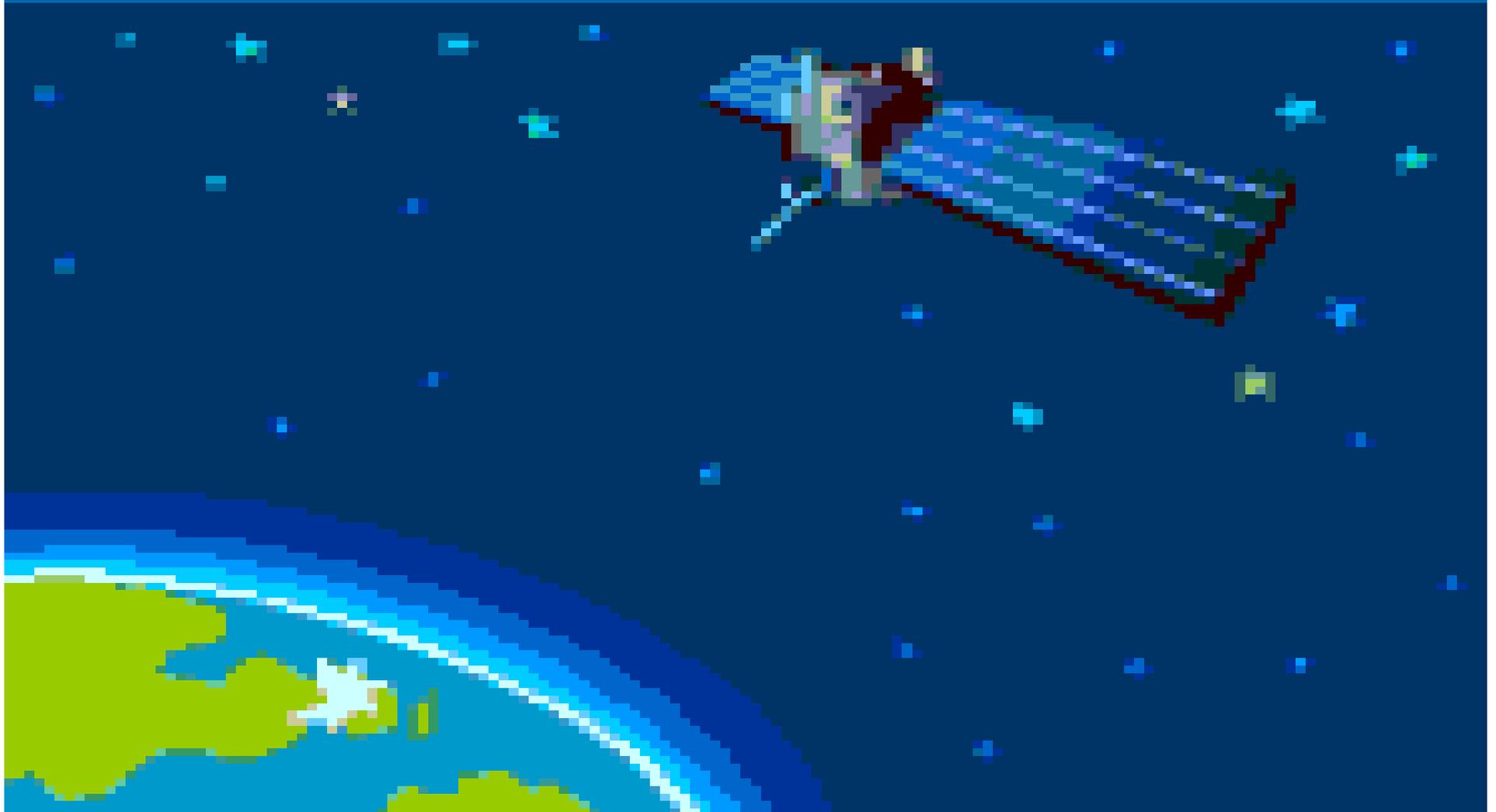






# DR SARSAT ALERT MESSAGE

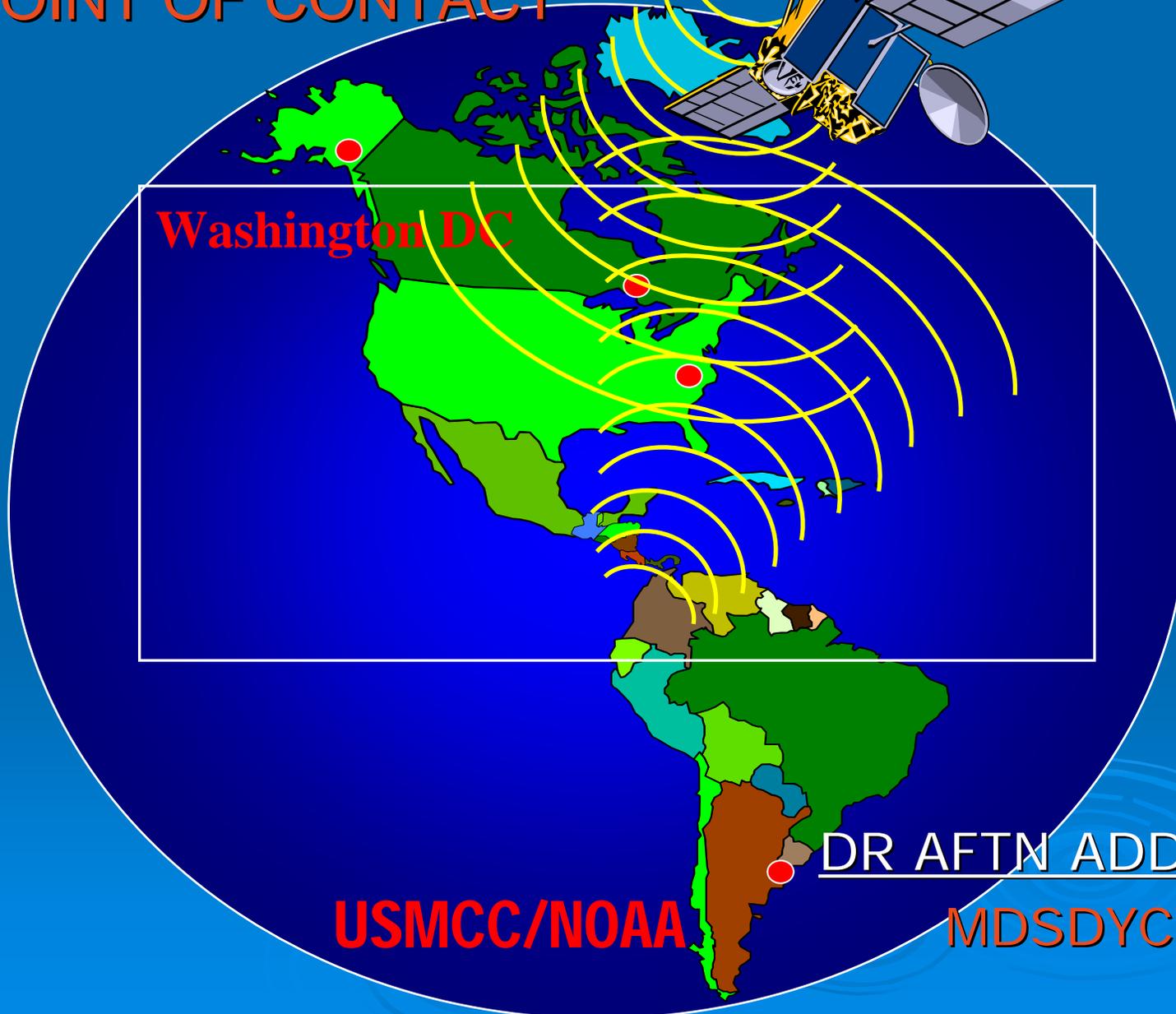
SINCE OCTOBER 22, 2007 THE DOMINICAN REPUBLIC STARTED RECEIVING SARSAT INFORMATION DIRECTLY FROM USMCC LOCATED IN SUITLAND, MARYLAND, USA.



# DR SARSAT CODE AND POINT OF CONTACT

# GOES 8

DR SARSAT CODE No.327



Washington DC

USMCC/NOAA

DR AFTN ADDRESS:

MDSDYCYX

# DR SARSAT SUMMARY



UP TO 2,400 MESSAGES RECEIVED SINCE OCTOBER 22,  
2007

99% FALSES ALARM

75% EPIRB

20% ELT

5% PLB

## DR SARSAT COORDINATION WITH OTHERS COUNTRIES.



- DR COORDINATES SARSAT INFORMATION WITH THE U.S. COAST GUARD SECTOR SAN JUAN.
- DR ALSO RECEIVES SARSAT INFORMATION BELONGING TO HAITI SRR AND PASS IT ALONG TO HAITI SPOC DESIGNATED BY THE UNO.

# RESPONSABILITIES FOR BEACONS ACTIVATIONS WITHIN DR SRR

- DR AIR OPERATIONS DIRECTOR (A-3) IS RESPONSIBLE FOR INLAND BEACONS ACTIVATIONS.
- THE NAVAL OPERATIONS DIRECTOR (M-3) IS RESPONSIBLE FOR MARITIME BEACONS ACTIVATIONS.
- DR CIVIL DEFENSE IS RESPONSIBLE FOR PLB ACTIVATIONS.



**USMCC**

**SANTO DOMINGO RCC**  
**SPOC**

**EPIRB**

**ELT**

**PLB**

**NAVAL  
OPERATIONS  
DIVISION, (M-3)  
DR NAVY**

**AIR OPERATIONS  
DEPARTMENT,  
(A-3)  
DR AIR FORCE.**

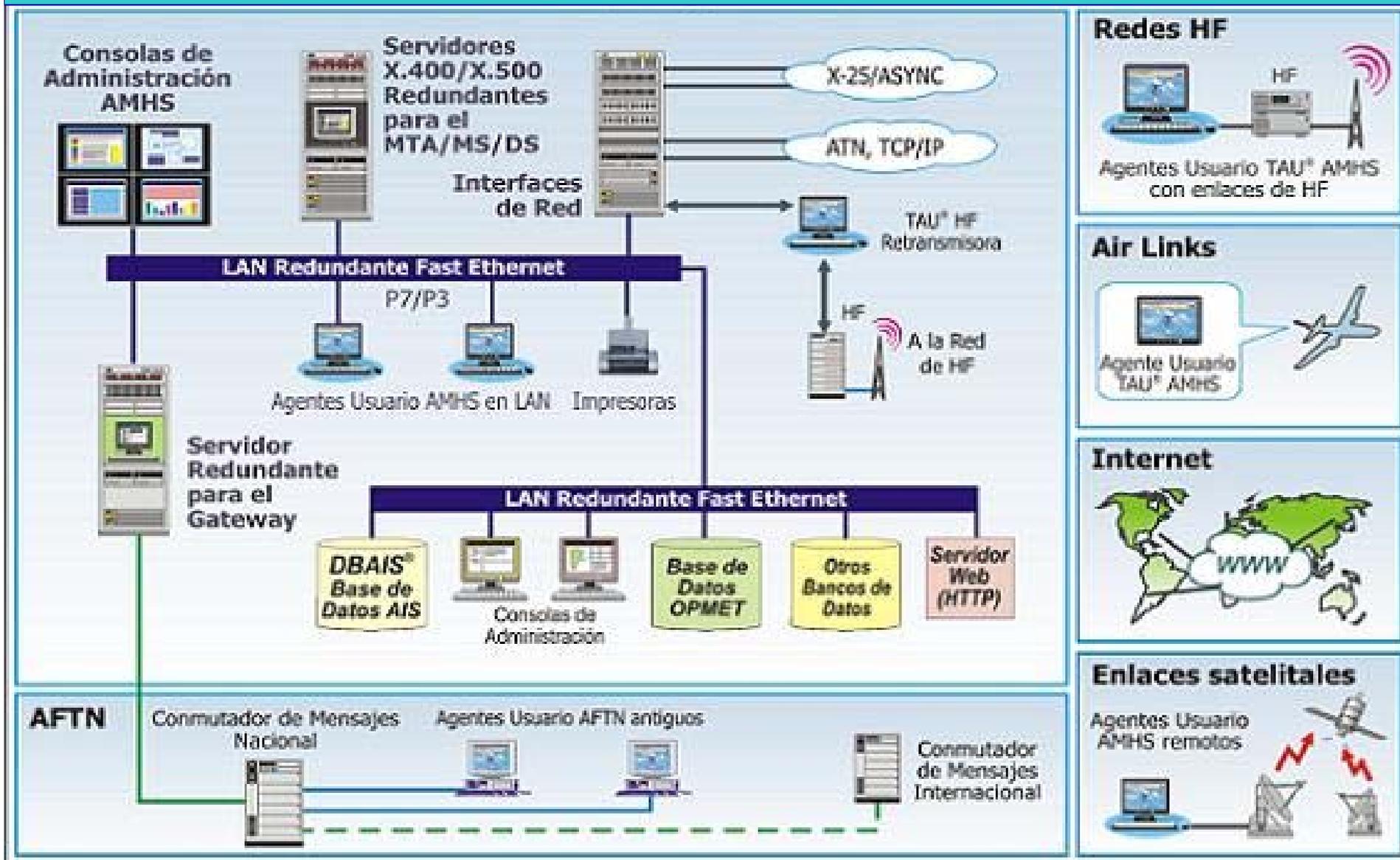
**DR  
CIVIL DEFENSE**

# DR SARSAT CONFERENCE, FEBRUARY 19-20, 2008



- THIS CONFERENCE WAS SPONSORED BY IDAC-NOAA
- SPEAKERS FROM NOAA-USCG:
  1. SAM BAKER
  2. LT. JEFF SHOUP
  3. FRANCISCO CAMACHO
  4. OS3 HENDRICK VEGA

# AUTOMATED MESSAGE HANDLING SYSTEM (AMHS)



# DR REGULATION FOR THE MANDATORY USE OF BEACONS ON 406 MHZ



TO BE IMPLEMENTED IN JANUARY 25, 2009

# DR SAR AND SARSAT CASES THAT DEMONSTRATE BEST PRACTICES

2007 / 2008



## AERONAUTICAL AND MARITIME SAR CASE

**YV-2327 TYPE: BE90**



**DATE: DECEMBER 27, 2007**

**POB: 7**

**DEPARTURE: CARACAS, VENEZUELA**

**DESTINATION: MDLR, DOMINICAN REPUBLIC**

**EMERGENCY: 52 KMS SOUTH LA ROMANA, TWO  
ENGINES DOWN**

**TIME: 16:20UTC**

**RESCUED: 6 PEOPLE ALIVE 1 MISSING**

# ACTIONS TAKEN

## 16:21UTC:

AERONAUTICAL RCC ESTABLISHED COORDINATION BETWEEN DR NAVY AND U.S. COAST GUARD SECTOR SAN JUAN

## 16:40UTC:

A SUCCESSFUL JOINT SAR OPERATION BETWEEN DR NAVY AND U.S. COAST GUARD SECTOR SAN JUAN, RESCUING 6 PEOPLE ALIVE

# JOINT SAR OPS. BETWEEN THE DR NAVY AND THE USCG SECTOR SAN JUAN



# MARITIME SARSAT CASE



**DATE:** JANUARY 11, 2008

**POB:** 2, A FRENCH COUPLE

**DEPARTURE:** COLOMBIA

**DESTINATION:** BARAHONA, DOMINICAN  
REPUBLIC

**EMERGENCY:** 42 KMS SOUTH BARAHONA

**TIME:** 18:35UTC

**RESCUED:** 2 PEOPLE ALIVE



# HISTORY

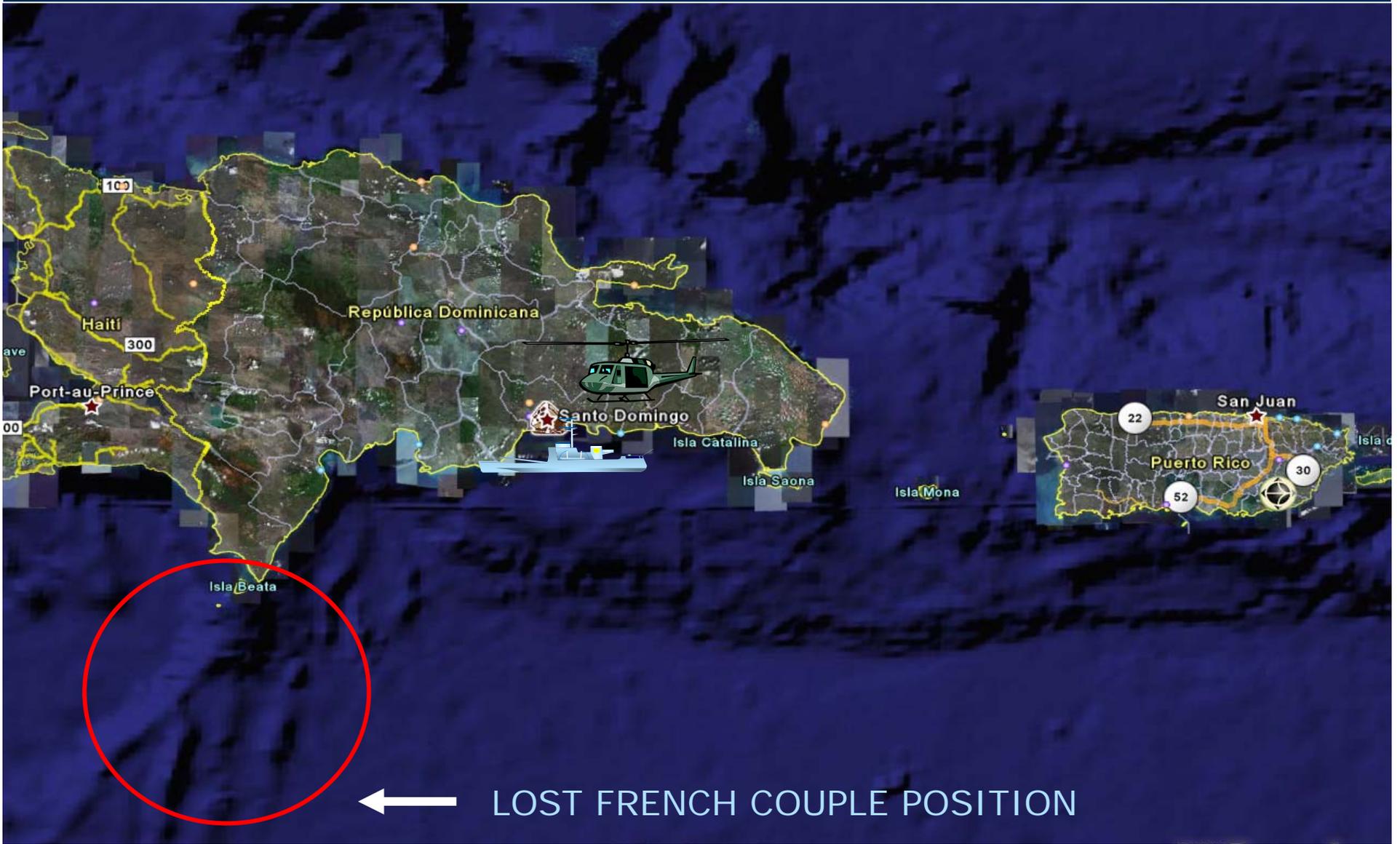
- A FRENCH COUPLE COMING FROM COLOMBIA TO BARAHONA, DR, AFTER ENTERING DR SRR, THEY GOT LOST SO THEY DECIDED TO ACTIVATE MANUALLY THE BOAT BEACON (EPIRB) IN ORDER TO BE RESCUED BY THE DR NAVY.
- THE USMCC SENT A SARSAT ALERT MESSAGE TO ARCC INDICATING THEIR POSITION.

## ACTIONS TAKEN

18:40UTC: AERONAUTICAL RCC, ESTABLISHED COORDINATION WITH THE DR NAVY (M-3).

19:10UTC: DR NAVY (M-3) RESCUED THE COUPLE.

Xosé Cheda



LOST FRENCH COUPLE POSITION

- **NAME:** MINGUS
- **TYPE:** CATAMARAN
- **ACTIVITY:** PLEASURE
- **DATE:** OCTOBER 10, 2008
- **POB:** 12 DOMINICAN PEOPLE

**DEPARTURE:** LA ROMANA  
**DESTINATION:** ISLA CASTALINA, DOMINICAN REPUBLIC  
**EMERGENCY:** 5 KMS SOUTH LA ROMANA  
**TIME:** 13:45UTC  
**RESCUED:** 12 PEOPLE ALIVE



## ACTIONS TAKEN

**13:45UTC:** AERONAUTICAL RCC, ESTABLISHED COORDINATION WITH THE DR NAVY (M-3), THE DOMINICAN AIR FORCE AND SANTO DOMINGO NAUTICAL CLUB

**13:57UTC:** DR NAVY (M-3) RESCUED THE 12 PEOPLE ON BOARD

THANKS

