AERODROME CERTIFICATION

DAKAR, 27 - 28 MAY 2014

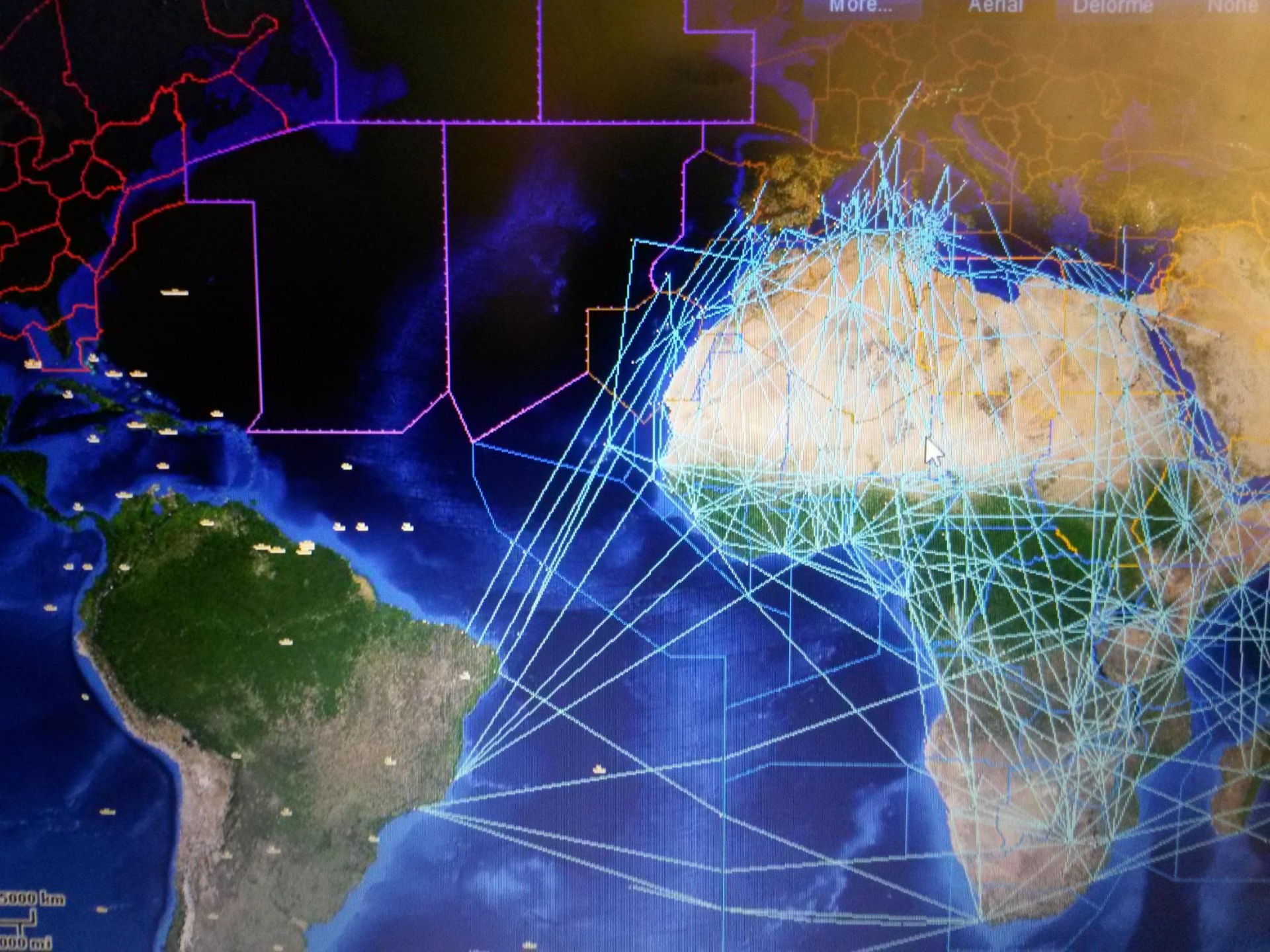
CABO VERDE EXPERIENCE

CONTENT

1. Cabo Verde
2. Regulatory framework
3. Airport Certification Process
4. OLS to Zoning

AAC
AGÊNCIA DE AVIAÇÃO CIVIL

CABO VERDE
Image Landsat
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image IBCAO
Google earth
12°14'12.93"N 21°52'25.75"O altitude de visualização 11209.32 km


More...
Aerial
Deforme
None
5000 km

CABO VERDE

4 International Airports

Cesária Évora International Airport
Nelson Mandela International Airport
Aristides Pereira International Airport
Amilcar Cabral International Airport

3 Domestics Airport

São Filipe Aerodrome
Maio Aerodrome
São Nicolau Aerodrome

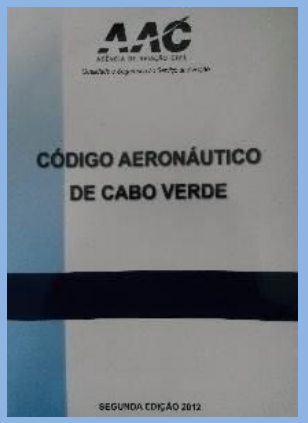
CONTENT

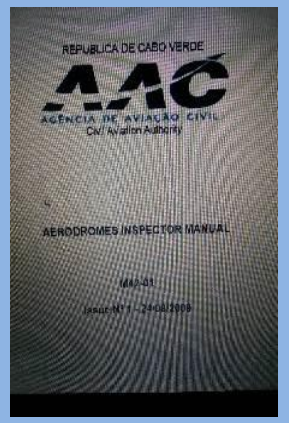
1. Cabo Verde
2. **Regulatory framework**
3. Airport Certification Process
4. OLS to Zoning

Regulation

ICAO
ICAO - ANNEX 14
ICAO - AERODROME CERTIFICATION MANUAL
SMS – ICAO

CABO VERDE
AERONAUTICAL CODE
BY LAWS
CV-CAR 14
MOS 14
CERTIFICATION DIRECTIVE
SMS
AERODROME INSPECTOR MANUAL





CABO VERDE

CABO VERDE CIVIL AVIATION AUTHORITY

AIRPORT OPERATOR
AIR NAVIGATION SERVICE PROVIDER

CONTENT

1. Cabo Verde
2. Regulatory framework
3. **Airport Certification Process**
4. OLS to Zoning

Why Certification?

CERTIFICATION PHASE APPROACH

PHASE I: Initial contact

PHASE II: Formal request

PHASE III: Documentary review

PHASE IV: Inspections and demonstrations

PHASE V: Issue of Certificate

CERTIFICATION PHASE APPROACH

PHASE I: Initial contact

CERTIFICATION PHASE APPROACH

PHASE II: Formal request

MOA
Emergency Plan
Security Plan
Training Plan
SMS Manual
Zoning
Airport Development Plan

CERTIFICATION PHASE APPROACH

PHASE III: Documentary review

Manual of Aerodrome
Emergency Plan
Security Plan
Training Plan
SMS Manual
Zoning
Airport Development plan
Removal of accidentally damaged aircraft
Procedures for the realization of works on the movement area
Bird Strike and wild life hazard reduction plan
Disabled aircraft removal plan and procedure
Pavment surface friction measurement plan

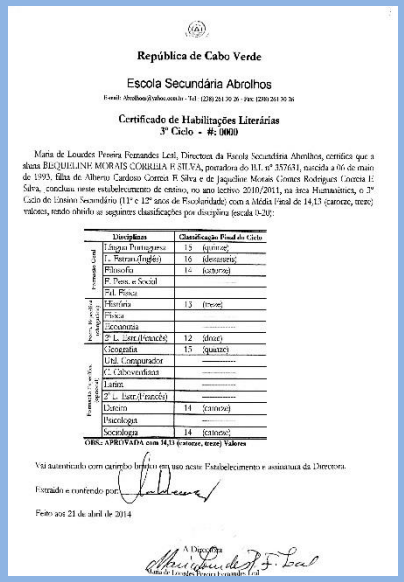
CERTIFICATION PHASE APPROACH

PHASE IV: Inspections and demonstrations

Airport building
Maneuvering area
Movement area
Fire station
OLS
Gas Station,
SMS (Risk Analisys), etc.

CERTIFICATION PHASE APPROACH

PHASE V: Issue of Certificate



República de Cabo Verde

Escola Secundária Abrolhos

E-mail: Abrolhos@rabos.com.br - Tel: (238) 261 30 26 - Fax: (238) 261 30 26

Certificado de Habilitações Literárias
3º Ciclo - #: 0000

Maria de Lourdes Pereira Fernandes Leal, Directora da Escola Secundária Abrolhos, certifica que a aluna BELQUELINE MORAIS CORRELIA F. SILVA, portadora do B.I. nº 357631, nascida a 06 de maio de 1993, filha de Alberto Cardoso Correia F. Silva e de Jaqueline Morais Gomes Rodrigues Correia F. Silva, concluiu neste estabelecimento de ensino, no ano lectivo 2010/2011, na área Humanística, o 3º Ciclo do Ensino Secundário (11º e 12º anos de Escolaridade) com a Média Final de 14,13 (catorze, treze) valores, tendo obtido as seguintes classificações por disciplina (escala 0-20):

	Disciplinas	Classificação Final do Ciclo
Formação Geral	Língua Portuguesa	15 (quinze)
	L. Estran.(Inglês)	16 (dezasseis)
	Filosofia	14 (catorze)
	F. Pers. e Social	----------
	Ed. Física	----------
Área de Formação Específica	História	13 (treze)
	Física	----------
	Geografia	----------
	2ª L. Estr.(Francês)	12 (doze)
	Geografia	15 (quatze)
Formação Vocacional	Util. Computador	----------
	C. Caboverdianas	----------
	Latim	----------
	2ª L. Estr.(Francês)	----------
	Direito	14 (catorze)
	Psicologia	----------
	Sociologia	14 (catorze)

OBS.: APROVADA com 14,13 (catorze, treze) Valores

Vai autenticado com carimbo branco em uso neste Estabelecimento e assinatura da Directora.

Extraído e conferido por:

Feito aos 21 de abril de 2014

A Directora

Maria de Lourdes Pereira Fernandes Leal

CABO VERDE EXPERIENCE

Set/2005 – Nelson Mandela International Airport - Praia

1. Airways New Zealand - Consultant
2. Airways New Zealand - Inspector Leader
3. CAA - Inspection Staff
4. ASA - Participant Staff

CABO VERDE EXPERIENCE

12/2007 - Aristides Pereira International Airport - Boavista

1. Airways New Zealand - Consultant
2. Airways New Zealand - Inspector Leader
3. CAA - Inspection staff
4. ASA - Participant Staff

CABO VERDE EXPERIENCE

12/2009 - Cesária Évora International Airport – S. Vicente

1. Airways New Zealand - Consultant
2. Airways New Zealand / CAA - Leader
3. ASA - Participant Staff

CABO VERDE EXPERIENCE

2014 - Amilcar Cabral International Airport - Sal

1. CAA - Inspector Leader
2. CAA - Inspection Staff
2. Bagasoo - Participant
3. Ghana - Participant
4. ASA - Participant

AERODROME CERTIFICATION

DAKAR, 27 - 28 MAY 2014

CONTENT

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4. **OLS to Zoning**

CABO VERDE EXPERIENCE

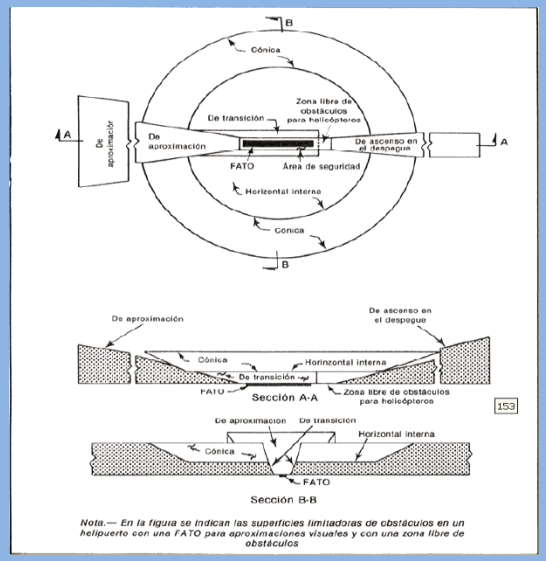
Hazard

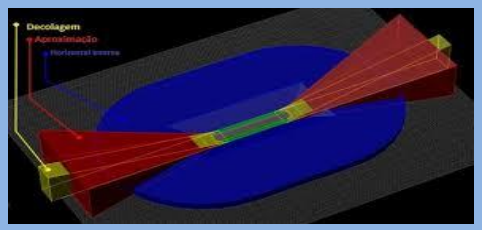
How to Prevent ?

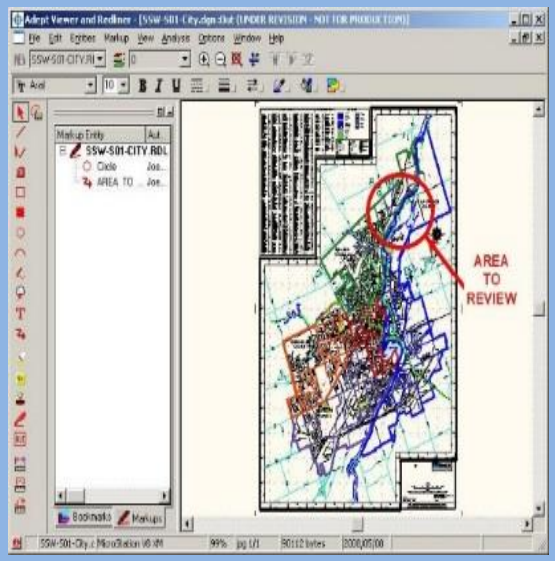
AAC
AGÊNCIA DE AVIAÇÃO CIVIL

OLS to Zoning

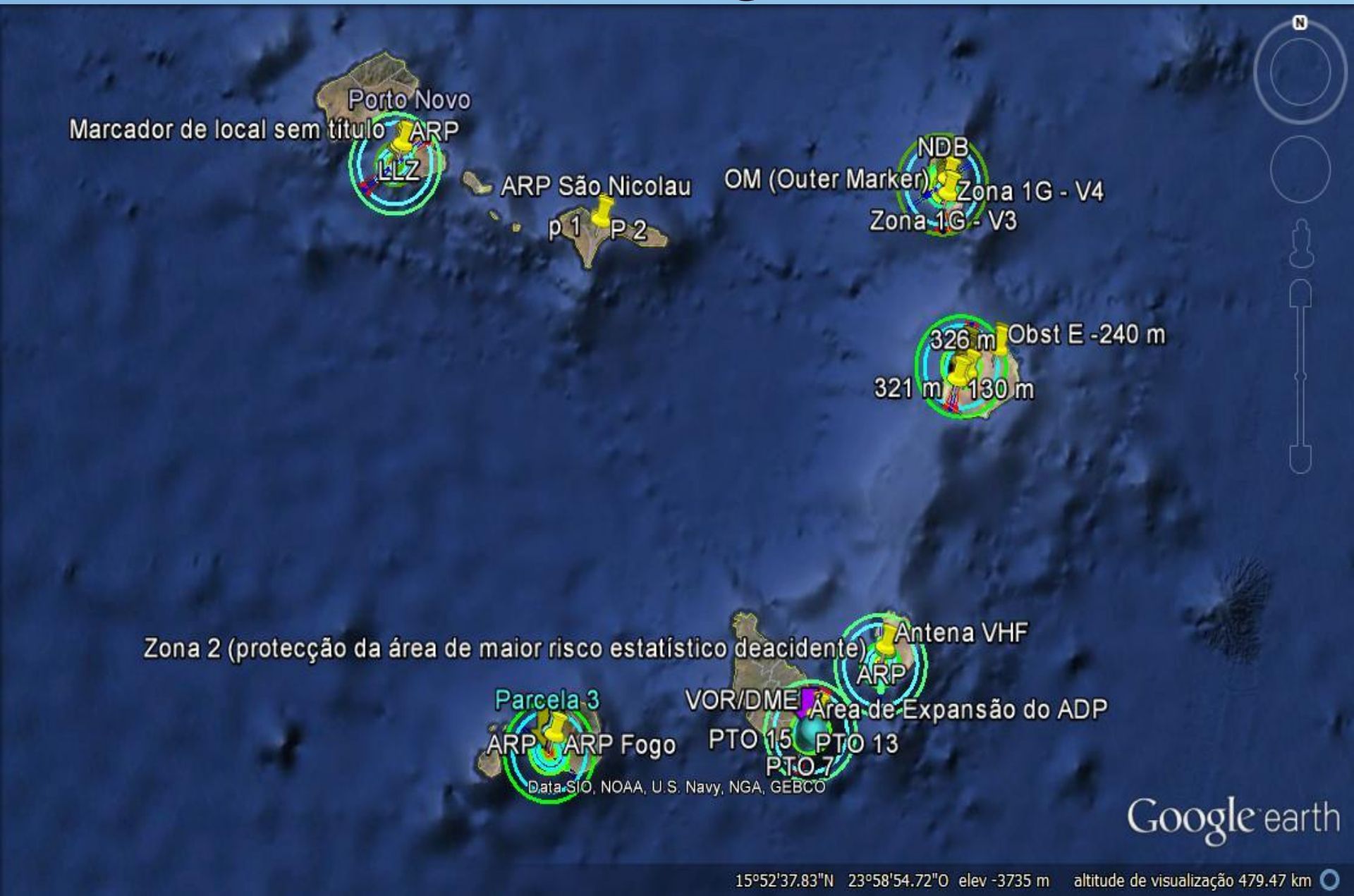
Decree Law
Zoning System



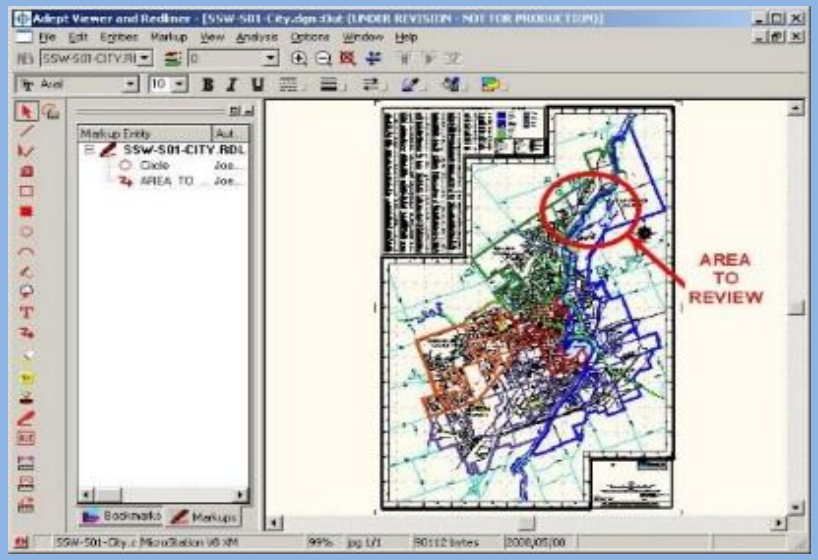


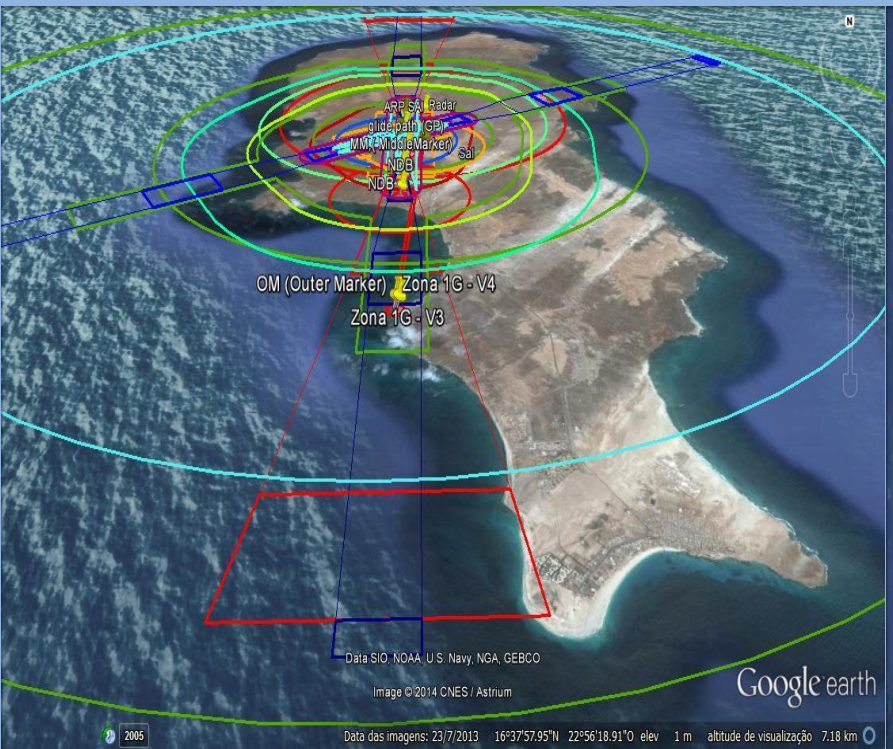


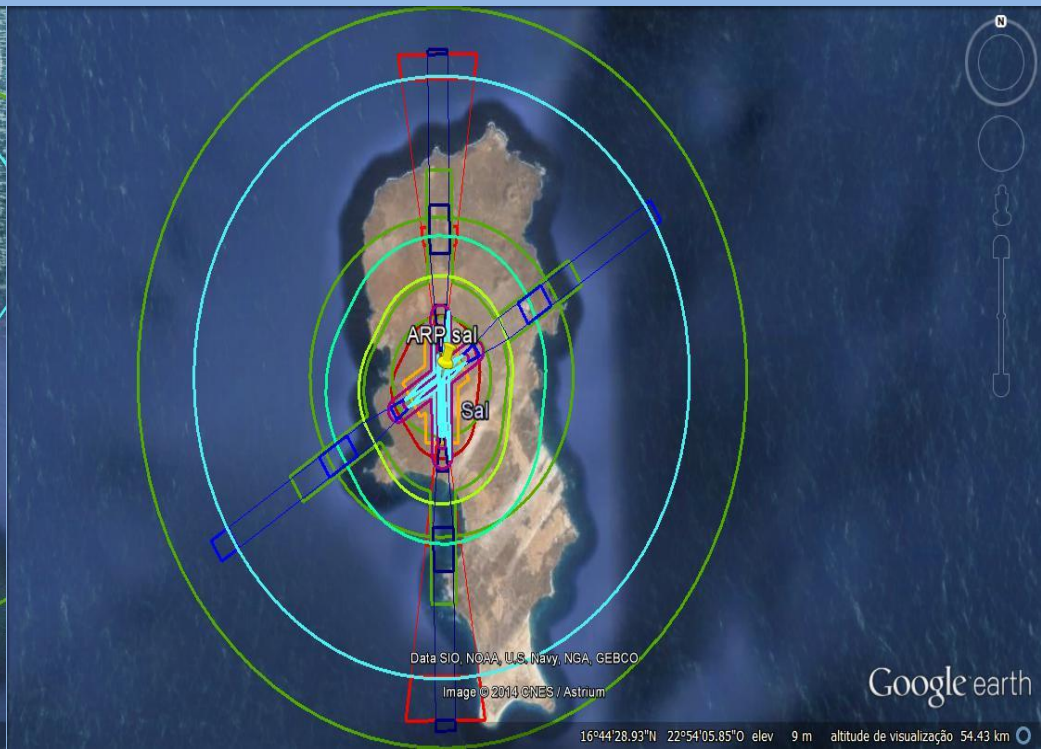
Zoning


Porto Novo
Marcador de local sem título
ARP
LLZ
ARP São Nicolau
p 1
P 2
NDB
OM (Outer Marker)
Zona 1G - V4
Zona 1G - V3
326 m
Obst E -240 m
321 m
130 m
Zona 2 (protecção da área de maior risco estatístico deacidente)
Antena VHF
ARP
Parcela 3
VOR/DME
Área de Expansão do ADP
ARP
ARP Fogo
PTO 15
PTO 13
PTO 7
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Google earth
15°52'37.83"N 23°58'54.72"O elev -3735 m altitude de visualização 479.47 km

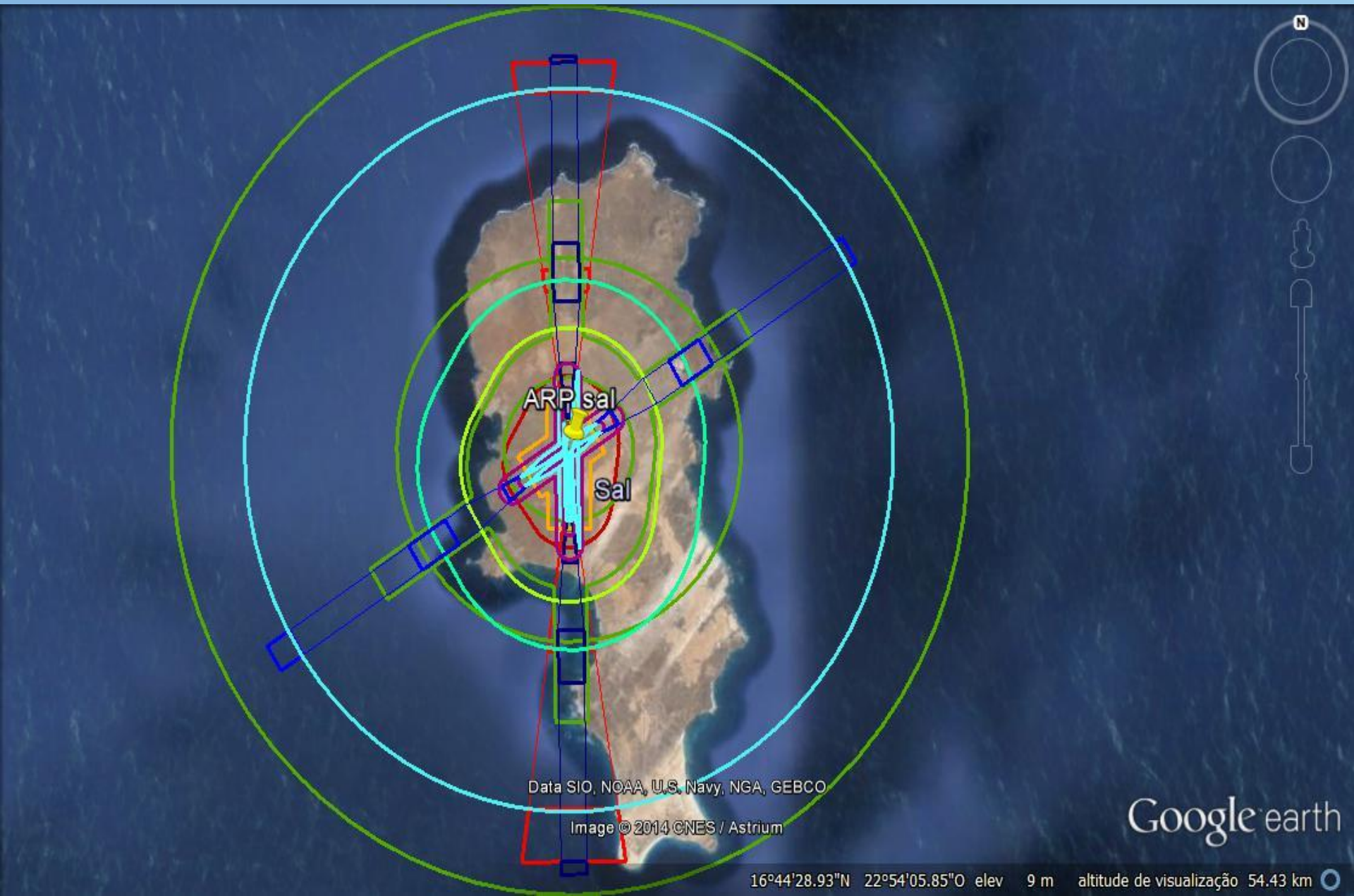
Zoning


AREA
TO
REVIEW

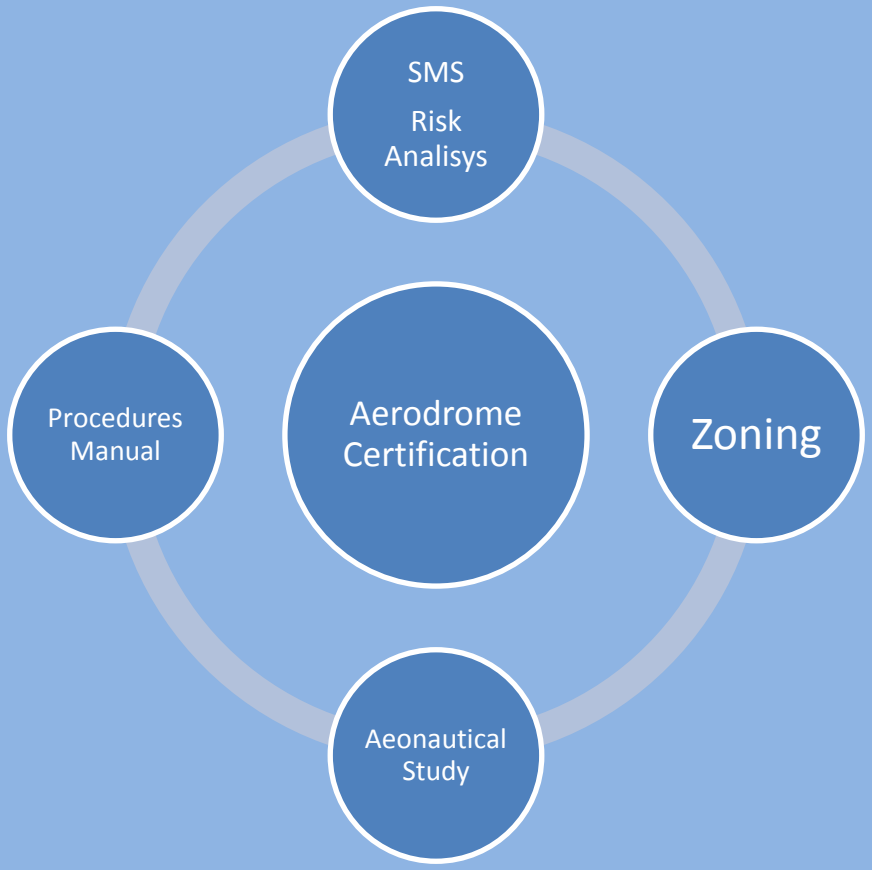

ARP SAL Radar
glide path (GP)
MM (Middle Marker)
Sal
NDB
NDB
OM (Outer Marker)
Zona 1G - V4
Zona 1G - V3
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image © 2014 CNES / Astrium
Google earth
Data das imagens: 23/7/2013 16°37'57.95"N 22°56'18.91"O elev 1 m altitude de visualização 7.18 km


ARP sal
Sal
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image © 2014 CNES / Astrium
Google earth
16°44'28.93"N 22°54'05.85"O elev 9 m altitude de visualização 54.43 km

Airport Zoning



Radio and Radio Navigation zoning


SMS
Risk
Analisys
Procedures
Manual
Aerodrome
Certification
Zoning
Aeonautical
Study

ARISTIDES PEREIRA INT. AIRPORT – BOAVISTA, CABO VERDE

Amílcar Cabral Int. Airport – Sal, Cabo Verde

NELSON MANDELA INT. AIRPORT – PRAIA, CABO VERDE

Joint Training between CAA and Airport Operator
Share Experience
Share
Sharing Information between countries
Share Commitment

END