

IHO C-55: Composite Report by Nation/Area

IHO C-55: **Benin** Updated **01 January 2004** INT Region **G**

Status of Hydrographic Surveys

A1	A2	B1	B2	C1	C2
6	0	0	0	94	100

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

Comment

1. Data derived from EAtHC technical visit.
2. Depths fall away precipitately beyond the narrow continental shelf. The coast is subject to erosion and depths inshore are constantly changing.
3. Routine re-surveys are required for Cotonou.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small			Landfall Coastal passage/Medium			Approaches Ports/Large		
A	B	C	A	B	C	A	B	C
100	100	100	100	100	0	100	100	0

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

Comment

1. Data derived from EAtHC technical visit.
2. No charts are on WGS 84 datum.
3. Some large scale coverage needs modernisation.

Status of Maritime Safety Information

Local Warning

Partial
Only by hand of the pilots.

Coastal Warning

NO
Data derived from EAtHC technical visit.

Port Information

NO
Data derived from EAtHC technical visit.

NAVAREA Warning

NO
Data derived from EAtHC technical visit.

Master Plan

NO
Data derived from EAtHC technical visit.

Area A1

NO
Data derived from EAtHC technical visit.

Area A2

NO
Data derived from EAtHC technical visit.

Area A3

NO
Data derived from EAtHC technical visit.

NAVTEX

NO
Data derived from EAtHC technical visit.

SafetyNET

NO
Data derived from EAtHC technical visit.

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
9	0	0	100	91	0

Comment
 1. Data derived from EAtHC technical visit.
 2. The seabed is unstable in all the rivers and estuaries. Routine re-surveys are conducted in the entry channel and port of Douala.
 3. Garoua can be operated from July to September, the navigable season on the River Benué.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

Landfall Coastal passage/Medium

Approaches Ports/Large

Comment

A	B	C
100	100	100

A	B	C
100	100	0

A	B	C
100	100	0

1. Data derived from EAtHC technical visit.
 2. Charts at larger scale than 1: 1M are not on WGS 84 datum.
 3. Some large scale coverage needs modernisation.

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

Status of Maritime Safety Information

Local Warning

NO
 Data derived from EAtHC technical visit.

Coastal Warning

NO
 Data derived from EAtHC technical visit.

Port Information

Partial
 Survey data for Douala harbour is received by SHOM.

NAVAREA Warning

NO
 Data derived from EAtHC technical visit.

Master Plan

NO
 Data derived from EAtHC technical visit.

Area A1

NO
 Data derived from EAtHC technical visit.

Area A2

NO
 Data derived from EAtHC technical visit.

Area A3

NO
 Data derived from EAtHC technical visit.

NAVTEX

NO
 Data derived from EAtHC technical visit.

SafetyNET

NO
 Data derived from EAtHC technical visit.

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
65	3	1	0	34	97

Comment

1. Data derived from EAtHC technical visit.
2. These oceanic islands are generally steep to with depths that fall away precipitately. Banco do Noroeste, the waters of the Ilha da Boavista, and the banks between that island and Ilha do Maio and Ilha de Santiago require modern survey.
3. The relevant harbours were resurveyed between 2005 and 2010.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small			Landfall Coastal passage/Medium			Approaches Ports/Large		
A	B	C	A	B	C	A	B	C
100	100	100	100	100	0	100	100	20

Percentage of metric paper charts 100 Percentage of paper charts on a satellite datum 27

Comment

1. Data derived from EAtHC technical visit and from Portugal.
2. Paper charts issued by Portugal date mainly from pre 1974. RNC coverage is provided by UKHO.
3. Some large scale coverage needs modernisation.
4. Under a bi-lateral agreement Portugal is producing with Cape Verde cooperation nautical charts of the archipelago harbours.(national series meeting M-4 Standards.)

Status of Maritime Safety Information

Local Warning

Partial
One VHF station.

Coastal Warning

NO

Port Information

Partial
Updates passed to Portugal.

NAVAREA Warning

NO

Master Plan

YES

Area A1

NO
Planned.

Area A2

NO
Planned.

Area A3

NO

NAVTEX

NO
Planned.

SafetyNET

NO

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
-1					

Comment
 Inland Waterways

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

Landfall Coastal passage/Medium

Approaches Ports/Large

Comment

A	B	C
-1	-1	-1

A	B	C
-1	-1	-1

A	B	C
	-1	

Inland waterways

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

Status of Maritime Safety Information

Local Warning

Coastal Warning

Port Information

NAVAREA Warning

Master Plan

Area A1

Area A2

Area A3

NAVTEX

SafetyNET

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
-1					

Comment
 Inland Waterways

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

Landfall Coastal passage/Medium

Approaches Ports/Large

Comment

A	B	C
-1	-1	-1

A	B	C
-1	-1	-1

A	B	C
	-1	

Inland waterways

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

Status of Maritime Safety Information

Local Warning

Coastal Warning

Port Information

NAVAREA Warning

Master Plan

Area A1

Area A2

Area A3

NAVTEX

SafetyNET

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
51	0	0	0	49	100

Comment
 1. Data derived from EATHC technical visit.
 2. A routine resurvey programme is needed in unstable areas in the approaches to Pointe-Noire, and in the approach channel and port after dredging operations.
 3. Depths fall away quickly beyond the edge of the shelf and there are no dangers to surface navigation. However survey information is required for the extensive offshore installations so that they can be charted to ensure safe navigation in their vicinity.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

Landfall Coastal passage/Medium

Approaches Ports/Large

Comment

A	B	C
100	100	100

A	B	C
100	100	0

A	B	C
100	100	0

1. Data derived from EATHC technical visit.
 2. No charts are on WGS 84 datum.
 3. Medium scale coverage needs modernisation.

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

Status of Maritime Safety Information

Local Warning

Coastal Warning

Port Information

NAVAREA Warning

Partial
 Only for Pointe-Noire.

NO
 Data derived from EATHC technical visit.

Partial
 Only for Pointe-Noire.

NO
 Data derived from EATHC technical visit.

Master Plan

Area A1

Area A2

Area A3

NAVTEX

SafetyNET

NO
 Data derived from EATHC technical visit.

NO
 Data derived from EATHC technical visit.

NO
 Data derived from EATHC technical visit.

NO
 Data derived from EATHC technical visit.

NO
 Data derived from EATHC technical visit.

NO
 Data derived from EATHC technical visit.

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
27	0	0	100	73	0

Comment

1. Data derived from EAtHC technical visit.
2. Depths fall away rapidly at the edge of the narrow continental shelf.
3. Routine re-surveys are required following dredging in Port d'Abidjan.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

Landfall Coastal passage/Medium

Approaches Ports/Large

Comment

A	B	C
100	100	100

A	B	C
100	100	0

A	B	C
0	100	0

1. Data derived from EAtHC technical visit.
2. No charts are on WGS 84 datum.

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

Status of Maritime Safety Information

Local Warning

Coastal Warning

Port Information

NAVAREA Warning

YES

Data provided by UK.

Master Plan

Area A1

Area A2

Area A3

NAVTEX

SafetyNET

NO

NO

NO

NO

NO

NO

Data provided by UK.

Planned.

Planned.

Planned.

Data provided by UK.

Data provided by UK.

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
0	0	100	0	0	100

Comment

1. Data derived from EATHC technical visit.
2. A routine resurvey programme is needed in the mouth of the River Congo and in the river channels to matadi and Boma.
3. Depths fall away quickly beyond the edge of the shelf on the flanks of the River Congo, and there are no dangers to surface navigation. However survey information is required for the extensive offshore installations so that they can be charted to ensure safe navigation in their vicinity.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small		
A	B	C
100	100	100

Percentage of metric paper charts

Landfall Coastal passage/Medium		
A	B	C
100	100	0

Percentage of paper charts on a satellite datum

Approaches Ports/Large		
A	B	C
100	100	0

Comment

1. Data derived from EATHC technical visit.
2. No charts are on WGS 84 datum.
3. Medium scale coverage needs modernisation.

Status of Maritime Safety Information**Local Warning**

Partial

Data derived from EATHC technical visit.

Coastal Warning

NO

Data derived from EATHC technical visit.

Port Information

Partial

Data derived from EATHC technical visit.

NAVAREA Warning

NO

Data derived from EATHC technical visit.

Master Plan

NO

Data derived from EATHC technical visit.

Area A1

NO

Data derived from EATHC technical visit.

Area A2

NO

Data derived from EATHC technical visit.

Area A3

NO

Data derived from EATHC technical visit.

NAVTEX

NO

Data derived from EATHC technical visit.

SafetyNET

NO

Data derived from EATHC technical visit.

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
0	0	100	0	0	100

Comment

1. Data derived from EAtHC technical visit.
2. Modern surveys will be required following the expansion of Malabo and Luba. A routine resurvey programme must be established.
3. Survey data is required for offshore installations to ensure safe navigation in their vicinity.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

A	B	C
100	100	100

Percentage of metric paper charts

Landfall Coastal passage/Medium

A	B	C
100	100	0

Percentage of paper charts on a satellite datum

Approaches Ports/Large

A	B	C
100	100	0

Comment

1. Data derived from EAtHC technical visit.
2. Medium and large scale charts require transfer to WGS 84 datum.
3. Paper coverage is provided in the Spanish and UK series, and RNC coverage is provided by UK. Medium scale coverage needs modernisation.

Status of Maritime Safety Information

Local Warning

NO

Data derived from EAtHC technical visit.

Coastal Warning

NO

Data derived from EAtHC technical visit.

Port Information

NO

Data derived from EAtHC technical visit.

NAVAREA Warning

NO

Data derived from EAtHC technical visit.

Master Plan

NO

Data derived from EAtHC technical visit.

Area A1

NO

Data derived from EAtHC technical visit.

Area A2

NO

Data derived from EAtHC technical visit.

Area A3

NO

Data derived from EAtHC technical visit.

NAVTEX

NO

Data derived from EAtHC technical visit.

SafetyNET

NO

Data derived from EAtHC technical visit.

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
81	96	0	4	19	0

Comment

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

Landfall Coastal passage/Medium

Approaches Ports/Large

Comment

A	B	C	A	B	C	A	B	C
100	0	100	100	0	100	100	0	40

Percentage of metric paper charts

100

Percentage of paper charts on a satellite datum

100

Status of Maritime Safety Information

Local Warning

YES

Coastal Warning

YES

Port Information

YES

Changes to ports and harbours passed to charting authority.

NAVAREA Warning

YES

NAVAREA II (EPSHOM is NAVAREA II co-ordinator)

Master Plan

YES

Radiocommunications maritimes, volume 4 (924-RNA) published by SHOM.

Area A1

YES

Area A2

YES

Area A3

YES

NAVTEX

YES

Navtex service area, MSI of which "Brest Local Warnings" are provided by CORSEN station

SafetyNET

YES

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
37	0	0	100	63	0

Comment
 1. Data derived from EAtHC technical visit.
 2. Modern surveys are required for the port of Mayumba.
 3. Survey data is required for offshore installations to ensure safe navigation in their vicinity.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

Landfall Coastal passage/Medium

Approaches Ports/Large

Comment

A	B	C
100	100	100

A	B	C
100	100	0

A	B	C
100	100	0

1. Data derived from EAtHC technical visit.
 2. No charts are on WGS 84 datum.
 3. Some medium scale coverage needs modernisation.

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

Status of Maritime Safety Information

Local Warning

NO
 Data derived from EAtHC technical visit.

Coastal Warning

NO
 Data derived from EAtHC technical visit.

Port Information

NO
 Data derived from EAtHC technical visit.

NAVAREA Warning

NO
 Data derived from EAtHC technical visit.

Master Plan

NO
 Data derived from EAtHC technical visit.

Area A1

Area A2

Area A3

NAVTEX

SafetyNET

NO
 Data derived from EAtHC technical visit.

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
30	16	70	0	0	84

Comment
 1. The area largely comprises the River Gambia and estuary, where the seabed is subject to change.
 2. Regular resurveys are required of the approach channel from the bar up to Banjul. There are sand-waves in this area. This is the top survey priority. UK RN survey of small area off Banjul Harbour November 2006
 3. Surveys of the River Gambia above Banjul date from the 1940s. Cruise liners are operating in the river.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

A	B	C
100	100	100

Percentage of metric paper charts

Landfall Coastal passage/Medium

A	B	C
100	100	0

Percentage of paper charts on a satellite datum

Approaches Ports/Large

A	B	C
100	100	0

Comment

1. Published by UK.
 2. Landfall and Coastal and Approaches and Port charts require to be transferred to WGS datum.

Status of Maritime Safety Information

Local Warning

Partial
 Banjul Port VHF.

Coastal Warning

Partial
 Banjul Port VHF.

Port Information

YES
 Passed to UKHO.

NAVAREA Warning

YES
 Passed to NAVAREA II coordinator via Dakar.

Master Plan

NO

Area A1

NO

Area A2

NO

Area A3

NO

NAVTEX

NO

SafetyNET

NO

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
20	0	15	10	65	90

Comment
 1. Data derived from EAtHC technical visit.
 2. Tema is prone to situation and requires routine resurvey. River entrances are subject to constant change and require local knowledge for access.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

Landfall Coastal passage/Medium

Approaches Ports/Large

Comment

A	B	C
100	100	100

A	B	C
100	100	0

A	B	C
100	100	0

1. Data derived from EAtHC technical visit.
 2. Published by UK..

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

Status of Maritime Safety Information

Local Warning

YES
VHF.

Coastal Warning

NO
Data derived from EAtHC technical visit.

Port Information

YES
Passed to UKHO.

NAVAREA Warning

YES
Via NAVAREA coordinator.

Master Plan

YES
Data derived from EAtHC technical visit.

Area A1

YES
Data derived from EAtHC technical visit.

Area A2

YES
Data derived from EAtHC technical visit.

Area A3

NO
Data derived from EAtHC technical visit.

NAVTEX

NO
Data derived from EAtHC technical visit.

SafetyNET

NO
Data derived from EAtHC technical visit.

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
14	0	0	0	86	100

Comment
 1. Data derived from EAtHC technical visit.
 2. Modern surveys are required in the port of Conakry, especially of dangerous wrecks. A resurvey programme will be necessary to cover areas of unstable seabed.
 3. A number of vigias outside the charted 100m contour require disproving survey.
 4. Survey requirements on the River Senegal are being assessed by l'Organisation pour la mise en valeur du fleuve Sénégal (OMVS).

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small			Landfall Coastal passage/Medium			Approaches Ports/Large			Comment
A	B	C	A	B	C	A	B	C	
100	100	100	100	100	0	100	100	0	1. Data derived from EAtHC technical visit. 2. No charts are on WGS 84 datum.

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

Status of Maritime Safety Information

Local Warning

Partial
 Conakry VHF only.

Coastal Warning

NO
 Data derived from EAtHC technical visit.

Port Information

NO
 Data derived from EAtHC technical visit.

NAVAREA Warning

NO
 Data derived from EAtHC technical visit.

Master Plan

YES
 Data derived from EAtHC technical visit.

Area A1

NO
 Planned.

Area A2

NO
 Planned.

Area A3

NO
 Data derived from EAtHC technical visit.

NAVTEX

NO
 Planned.

SafetyNET

NO
 Data derived from EAtHC technical visit.

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
0	4	95	0	5	96

Comment
 1. Data derived from EAtHC technical visit.
 2. The majority of the seabed in the riverine areas is unstable with many sandbanks.
 3. New surveys are required to provide an access channel from the Ponta de Caio pilot station to the port of Bissau, and as part of the rehabilitation of the port.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

A	B	C
100	100	100

Percentage of metric paper charts

Landfall Coastal passage/Medium

A	B	C
100	100	0

Percentage of paper charts on a satellite datum

Approaches Ports/Large

A	B	C
100	100	0

Comment

1. Data derived from EAtHC technical visit.
 2. No coverage is on WGS 84 datum.
 3. Paper coverage is provided in the Portuguese and UK series, and RNC coverage is provided by UK. All source data is from the 1970s and earlier.

Status of Maritime Safety Information

Local Warning

Partial

Bissau VHF only. Range currently 12nm; planned to be extended to 50nm.

Coastal Warning

Partial

Bissau VHF only. Range currently 12nm; planned to be extended to 50nm.

Port Information

NO

Data derived from EAtHC technical visit.

NAVAREA Warning

NO

Data derived from EAtHC technical visit.

Master Plan

NO

Data derived from EAtHC technical visit.

Area A1

NO

Data derived from EAtHC technical visit.

Area A2

NO

Data derived from EAtHC technical visit.

Area A3

NO

Data derived from EAtHC technical visit.

NAVTEX

NO

Data derived from EAtHC technical visit.

SafetyNET

NO

Data derived from EAtHC technical visit.

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
2	0	22	0	76	100

Comment
 1. Data provided by UK.
 2. Priorities are:
 a. Maritime Shipping Routes: vigias W of Greenville and in the approaches to Harper require investigation.
 b. Ports and Approaches: Sidescan sonar coverage is required to supplement modern surveys in the ports of Monrovia, Buchanan, Harper and Greenville.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

Landfall Coastal passage/Medium

Approaches Ports/Large

Offshore passage/Small			Landfall Coastal passage/Medium			Approaches Ports/Large			Comment
A	B	C	A	B	C	A	B	C	
100	100	100	100	100	0	100	100	0	1. Data provided by UK. 2. No coverage is on WGS 84 datum.

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

Status of Maritime Safety Information

Local Warning

Coastal Warning

Port Information

NAVAREA Warning

NO

Master Plan

Area A1

Area A2

Area A3

NAVTEX

SafetyNET

NO

NO

NO

NO

NO

NO

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
-1					

Comment
 Survey requirements on the River Senegal are being assessed by l'Organisation pour la mise en valeur du fleuve Sénégal (OMVS).

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

Landfall Coastal passage/Medium

Approaches Ports/Large

Comment

A	B	C
-1	-1	-1

A	B	C
-1	-1	-1

A	B	C
	-1	

Inland waterways

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

Status of Maritime Safety Information

Local Warning

Coastal Warning

Port Information

NAVAREA Warning

Master Plan

Area A1

Area A2

Area A3

NAVTEX

SafetyNET

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
49	0	36	100	15	0

Comment

1. Data derived from EATHC technical visit.
2. A modern survey is required at Nouadhibou to position dangerous wrecks, and at Nouakchott to establish least depths and positions of obstructions in the approaches.
3. Survey requirements on the River Senegal are being assessed by l'Organisation pour la mise en valeur du fleuve Sénégal (OMVS).

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

A	B	C
100	100	100

Percentage of metric paper charts

Landfall Coastal passage/Medium

A	B	C
100	100	0

Percentage of paper charts on a satellite datum

Approaches Ports/Large

A	B	C
100	100	0

Comment**Status of Maritime Safety Information****Local Warning**

Partial

Passed on arrival by pilot.

Coastal Warning

NO

Data derived from EATHC technical visit.

Port Information

NO

Data derived from EATHC technical visit.

NAVAREA Warning

NO

Data derived from EATHC technical visit.

Master Plan

YES

Data derived from EATHC technical visit.

Area A1

NO

Planned.

Area A2

NO

Planned.

Area A3

NO

Data derived from EATHC technical visit.

NAVTEX

NO

Planned.

SafetyNET

NO

Data derived from EATHC technical visit.

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
-1					

Comment
 Inland Waterways

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

Landfall Coastal passage/Medium

Approaches Ports/Large

Comment

A	B	C
-1	-1	-1

A	B	C
-1	-1	-1

A	B	C
	-1	

Inland waterways

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

Status of Maritime Safety Information

Local Warning

Coastal Warning

Port Information

NAVAREA Warning

Master Plan

Area A1

Area A2

Area A3

NAVTEX

SafetyNET

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
20	10	70	10	10	80

Comment
 Priorities are:
 a. Maritime Shipping Routes: areas of expanding oil and gas industry activity. Survey data is required for offshore installations to ensure safe navigation in their vicinity.
 b. Ports and Approaches: routine re-survey of entrances, especially of the rivers Escravos, Forcados and Bonny, together with the Benin River up to Sapele.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

Landfall Coastal passage/Medium

Approaches Ports/Large

Comment

A	B	C
100	100	100

A	B	C
100	100	0

A	B	C
100	100	0

1. Data provided by UK.

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

Status of Maritime Safety Information

Local Warning

YES

Coastal Warning

NO

Port Information

YES

Passed to UKHO.

NAVAREA Warning

YES

Passed to NAVAREA Co-ordinator.

Master Plan

NO

Area A1

NO

Area A2

NO

Area A3

NO

NAVTEX

NO

SafetyNET

NO

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
100	99	0	0	0	1

Comment
 Priorities are coastal waters, and harbours and approaches.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small			Landfall Coastal passage/Medium			Approaches Ports/Large			Comment
A	B	C	A	B	C	A	B	C	
100	0	100	100	0	100	100	0	100	

Percentage of metric paper charts 100 Percentage of paper charts on a satellite datum 57

Status of Maritime Safety Information

Local Warning YES	Coastal Warning YES	Port Information YES	NAVAREA Warning YES
Master Plan NO Planning underway.	Area A1 NO Planning underway.	Area A2 NO Planning underway.	Area A3 NO Planning underway.
		NAVTEX YES	SafetyNET NO Planning underway.

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
60	55	40	1	0	44

Comment
 Priorities are coastal waters, and harbours and approaches.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small			Landfall Coastal passage/Medium			Approaches Ports/Large			Comment
A	B	C	A	B	C	A	B	C	
100	0	100	100	0	100	100	0	100	

Percentage of metric paper charts 100 Percentage of paper charts on a satellite datum 23

Status of Maritime Safety Information

Local Warning YES	Coastal Warning YES	Port Information YES	NAVAREA Warning YES
Master Plan NO Planning underway.	Area A1 NO Planning underway.	Area A2 NO Planning underway.	Area A3 NO Planning underway.
		NAVTEX YES	SafetyNET NO Planning underway.

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
65	66	0	1	35	33

Comment
 Priorities are coastal waters, and harbours and approaches.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small			Landfall Coastal passage/Medium			Approaches Ports/Large			Comment
A	B	C	A	B	C	A	B	C	
100	0	100	100	0	100	100	0	100	

Percentage of metric paper charts 100 Percentage of paper charts on a satellite datum 63

Status of Maritime Safety Information

Local Warning	Coastal Warning	Port Information	NAVAREA Warning		
YES	YES	YES	YES		
Master Plan	Area A1	Area A2	Area A3	NAVTEX	SafetyNET
NO Planning underway.	NO Planning underway.	NO Planning underway.	NO Planning underway.	NO Planning underway.	NO Planning underway.

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
99	25	1	0	0	75

Comment
 1. Data provided by Portugal.
 2. Apart from a survey in 1989 of part of Bay of Ana Chaves, S. Tome, surveys date from before 1974.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

Landfall Coastal passage/Medium

Approaches Ports/Large

Comment

A	B	C
100	100	100

A	B	C
100	100	0

A	B	C
100	100	0

1. No coverage is on WGS 84 datum.
 2. Paper coverage is provided in the portuguese and UK series, and RNC coverage is provided by UK. All source data is from the 1970s and earlier.

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

Status of Maritime Safety Information

Local Warning

Coastal Warning

Port Information

NAVAREA Warning

Master Plan

Area A1

Area A2

Area A3

NAVTEX

SafetyNET

NO

NO

NO

NO

NO

NO

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
58	0	0	0	42	100

Comment
 1. Top priority is for modern surveys in the rivers and the estuaries of the Casamance and Saloum. The latter requires resurvey at annual intervals.
 2. Survey requirements on the River Senegal are being assessed by l'Organisation pour la mise en valeur du fleuve Sénégal (OMVS).

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

Landfall Coastal passage/Medium

Approaches Ports/Large

Comment

A	B	C
100	100	100

A	B	C
100	100	0

A	B	C
100	100	0

1. No charts are referred to WGS datum.

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

Status of Maritime Safety Information

Local Warning

YES
VHF.

Coastal Warning

YES

Port Information

YES

NAVAREA Warning

YES

Master Plan

YES

Area A1

NO
Planned.

Area A2

NO
Planned.

Area A3

NO

NAVTEX

NO

SafetyNET

YES

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
70	70	20	25	10	5

Comment
 Routine re-surveys are required in the Sierra Leone River.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small			Landfall Coastal passage/Medium			Approaches Ports/Large			Comment
A	B	C	A	B	C	A	B	C	
100	100	100	100	100	0	100	100	0	

Percentage of metric paper charts

Percentage of paper charts on a satellite datum

Status of Maritime Safety Information

Local Warning

YES
 VHF.

Coastal Warning

NO

Port Information

Partial
 Passed to UKHO.

NAVAREA Warning

Partial
 Passed to NAVAREA CO-ordinator.

Master Plan

NO

Area A1

NO
 Planned.

Area A2

NO
 Planned.

Area A3

NO

NAVTEX

NO

SafetyNET

NO

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
95	44	5	0	0	56

Comment

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

Landfall Coastal passage/Medium

Approaches Ports/Large

Comment

A	B	C	A	B	C	A	B	C
100	0	100	100	0	100	100	0	80

Percentage of metric paper charts 100 Percentage of paper charts on a satellite datum 89

Status of Maritime Safety Information

Local Warning

YES

Coastal Warning

YES

Port Information

YES

Agreements in place with all Port Authorities.

NAVAREA Warning

YES

Via NAVAREA II Co-ordinator.

Master Plan

YES

Area A1

YES

Area A2

YES

Area A3

YES

NAVTEX

YES

SafetyNET

YES

Only for NAVAREA Warnings

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
94	45	6	0	0	55

Comment

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small

Landfall Coastal passage/Medium

Approaches Ports/Large

Comment

A	B	C	A	B	C	A	B	C
100	0	100	100	0	100	100	0	70

Percentage of metric paper charts 100 Percentage of paper charts on a satellite datum 83

Status of Maritime Safety Information

Local Warning

YES

Coastal Warning

YES

Port Information

YES

Agreements in place with all Port Authorities

NAVAREA Warning

YES

Via Navarea 2

Master Plan

YES

Area A1

YES

Area A2

YES

Area A3

YES

NAVTEX

YES

SafetyNET

YES

Only for Navarea warnings

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
13	5	0	0	87	95

Comment

1. The continental shelf extends some 23 km out to a depth of 100m. The shelf presents a relatively flat profile beyond the 10 m contour which is generally within 200m of the coastline. The shelf is sectioned by valleys filled with sediment indicating an erosional phase. The slope is very gentle (less than 1 degree) with more than 50% of the shelf area lying beyond the 50 m contour. Seismic profiles indicate that the morphology is due to gently inclined planes.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small			Landfall Coastal passage/Medium			Approaches Ports/Large			Comment	
A	B	C	A	B	C	A	B	C		
100	0	100	100	0	100	100	0	0		
Percentage of metric paper charts			100	Percentage of paper charts on a satellite datum			50			

Status of Maritime Safety Information

Local Warning	Coastal Warning	Port Information	NAVAREA Warning		
NO	NO	NO	NO		
Master Plan	Area A1	Area A2	Area A3	NAVTEX	SafetyNET
Partial Information provided by France	YES	YES	NO	YES	NO
					See Volume 4 of the French Radio Signals Publication SHOM 924-RNA

Status of Hydrographic Surveys

A1/A2 = % adequately surveyed 0-200m / >200m
 B1/B2 = % requiring re-survey at larger scale or to modern standards 0-200m / >200m
 C1/C2 = % which has never been systematically surveyed 0-200m / >200m

A1	A2	B1	B2	C1	C2
0	0	100	5	0	95

Comment
 Data provided by Spain.

Status of Nautical Charting

A = % covered by INT Charts, B = % covered by RNC, C = % covered by ENC

Offshore passage/Small			Landfall Coastal passage/Medium			Approaches Ports/Large			Comment
A	B	C	A	B	C	A	B	C	
100	0	100	100	0	0	100	0	0	Data provided by Spain

Percentage of metric paper charts 100 Percentage of paper charts on a satellite datum 47

Status of Maritime Safety Information

Local Warning

YES

Coastal Warning

YES

Port Information

YES

NAVAREA Warning

NO

Master Plan

NO

Area A1

NO

Area A2

NO

Area A3

NO

NAVTEX

NO

SafetyNET

NO