

**IHB File No. TA-3
S1/5014**

**CIRCULAR LETTER 2/1999
18 January 1999**

**CONFERENCE ON REGIONAL CO-OPERATION IN HYDROGRAPHY,
AIDS TO NAVIGATION, OTHER SERVICES FOR THE SAFETY OF NAVIGATION
AND ENVIRONMENTAL PROTECTION IN WESTERN AND CENTRAL AFRICA**

Dear Sir,

1. Most land transportation systems in Africa are regarded as inadequate for international trade. This is mainly due to the long distances between industrialized nations and markets and the various suppliers and users. Most of the trade is therefore by sea and the importance of the quality of the ports, harbours and maritime safety services cannot be overemphasized.
2. A Conference was held in Maputo in 1995 to address these problems in southern Africa. Much was achieved and the subsequent actions, identified at the time of the Conference, have resulted in various initiatives and projects that will go a long way towards the improvement of these services. The success of the Maputo Conference has led to the conclusion that a similar conference should be held in Western and Central Africa to address some of the related problems that may exist in that region. The conclusions reached at the Maputo Conference were that ports and harbours, their charted approaches and adequate aids to navigation to ensure safe passage to and from these ports were the primary concerns of that Conference.
3. It is important for the success of the Conference that the countries in the region be represented at the appropriate Government level and that technical representatives attend. It is also essential that they are accompanied by a Government official or officials who are able to assist with and pursue the implementation of any decisions arising from the conference at a national level. Experience has shown that it will be necessary for the funding of these delegations to be considered.
4. Following some previous correspondence on the subject, a meeting was held at the IMO Headquarters of the Central Committee, formed by representatives from IMO, IHO, IALA and IAPH, established to organize the Conference. Among other items, and in accordance with a proposal made by the PMAWCA it was decided to confirm the date and venue for the Conference (Proposed Douala, Cameroon, in October 1999) and to establish a Joint Work Programme to be carried out by the Conference Committees.
5. Invitations have also been issued to MINCOMAR (Ministerial Conference of West and Central Africa on Maritime Transport) and to the European Commission, Directorate General VIII Development.
6. A copy of the First Announcement of the Conference is attached to this CL at Annex I and the Distribution List is provided at Annex II.

On behalf of the Directing Committee
Yours sincerely,

Rear Admiral Neil GUY
Director

Encls: Annex I
Annex II

FIRST ANNOUNCEMENT (OCTOBER 1999)**CONFERENCE ON REGIONAL CO-OPERATION IN HYDROGRAPHY,
AIDS TO NAVIGATION, OTHER SERVICES FOR THE SAFETY OF NAVIGATION AND
ENVIRONMENTAL PROTECTION IN WESTERN AND CENTRAL AFRICA****GENERAL AIM**

1. To promote co-operation in the field of hydrography, provision of aids to navigation, other services for the safety of navigation and environmental protection.

OBJECTIVE

2. To create awareness of the importance of safety of navigation and the environment in Western and Central Africa.
3. To promote regional co-operation in the fields of safety of navigation and environmental protection.
4. To encourage the development of internal structures and regional relationships and agreements within a global framework, responsible for the acquisition and dissemination of information on hydrography, aids to navigation and other services, involving such international organizations as IHO, IMO, IALA and IAPH.
 - a. To improve the flow of maritime safety information, particularly navigational warnings from coastal states to the co-ordinator of NAVAREA II.
 - b. To examine and develop co-operative methods of improving the status of hydrographic surveying, navigational charting, aids to navigation services, and other associated services to maritime navigation throughout Western and Central Africa. In particular to:
 - i. promote the Eastern Atlantic Regional Hydrographic Commission and to examine the feasibility of establishing a regional organization to promote the development of Aids to Navigation and other additional regional organizations as required.
 - ii. examine the status of International Chart Series Area G.

TOPICS

5. Western and Central Region:
 - a. Report on Status of hydrography and charting.
 - b. Report on provision of aids to navigation.
 - c. Report on uses and requirements for navigational services, e.g. shipping and other coastal and offshore activities.
 - d. Impact of the lack of these services on the environment.

- e. Description of World Wide Navigational Warning Service and its application through NAVAREA II.
- f. Identification of WWNWS weakness and possible solutions.
- g. Description of promulgation services for WWNWS including the delivery by INMARSAT.
- h. Co-operation in hydrographic surveying (discussion/case study).
- i. Co-operation in charting, including delivery of Notices to Mariners and the International Chart Scheme.
- j. Co-operation on provision of aids to navigation.
- k. Areas for co-operation:
 - i. Training.
 - ii. Exchange of technical expertise.
 - iii. Exchange of information.
 - iv. Mutual use of assets.
 - v. Funding (national contribution/others).
- l. Legal matters:
 - i. Background for legal establishment of services.
 - ii. Responsibility, liabilities and copyright.
- m. Involvement and Development of regional institutions:
 - i. Eastern Atlantic Regional Hydrographic Commission.
 - ii. Regional multi-disciplinary bodies (e.g. involving IHO/IMO/IALA/IAPH/PMAWCA).
- n. Resolutions and Recommendations.

PARTICIPANTS

- 6. Terms of References of delegates. Two representatives should be appointed by the states as listed. Preferable these representatives should belong to an institution (governmental/private) dealing with safety of navigation.
 - a. States invited

Angola	Guinea
Benin	Guinea Bissau
Burkina Faso	Liberia
Cameroon	Mali
Cape Verde	Mauritania
Central African Rep.	Morocco
Chad	Niger
Congo Brazaville	Nigeria
Côte d'Ivoire	Portugal
Democratic Republic of the Congo	Sao Tome e Principe
Equatorial Guinea	Senegal
France	Sierra Leone
Gabon	Spain
Gambia	Togo
Ghana	

- b. International and Regional Organizations
- i. IMO
 - ii. IHO
 - iii. IALA
 - iii. IAPH
 - iv. PMAWCA
 - v. INMARSAT
 - vi. IOC
 - vii. FIG
 - viii. SADC
 - ix. Aid Authorities
 - x. Observers (*unspecified at this stage*)
- c. International and Regional Charting Authorities
- i. France
 - ii. Portugal
 - iii. Spain

CONFERENCE LANGUAGES

7. The Conference will be conducted in English and French and it is anticipated that simultaneous translation will be possible. All Conferences documents will be circulated, after the Conference in both languages. Should there be a requirement for additional language services the State or organization may be requested to provide a translator as part of their delegation.

Rear Admiral Neil R. Guy
Chairman Conference Committee

CENTRAL AND WESTERN AFRICA COUNTRIES - DISTRIBUTION LIST
Cotonou

ANGOLA

Mr. Carlos A. Hipólito de Andrade
Direcção Nacional da Marinha Mercante e
Portos
Ministério dos Transportes e Comunicações
C.P. 2393
Rua Rainha Ginga, 64
4º Andar
Luanda

cc.: Mr. Sebastião Dikesengele Wuta
Legal Advisor (Senior)
Ministry of Transport
C.P. 2393
Luanda

cc.: Mr. Mario Cedone de Jesús Mata
Mechanical Engineer/Surveyor
Ministry of Transport
C.P. 2393
Luanda

cc.: Mr. Rui Mendonca Da Silva
Chief of Operations
Port of Luanda

BENIN

Directeur de la Marine Marchande
Direction de la Marine Marchande
P.O.Box 1234
Cotonou

cc.: Mr. Martial Alain Dehoue
Chef Service de la Sécurité des
Navires et de la Navigation Maritime
Direction de la Marine Marchande
01 B.P. 1234
Cotonou

cc.: Directeur
Port de Cotonou
B.P. 927

CAMEROON

Mr. Emmanuel Souga
Directeur des Affaires Maritimes et des
Voies Navigables
Ministère des Transports
P.O.Box 416
Doual

Tel.: +(244 2) 390034/339847
 Fax: +(244 2) 339848
 Telex: 3352 marport an

Tel.: +(244 2) 394347
 Fax: +(244 2) 339848/394296

Tel.: +(244 2) 390034/394478
 Fax: +(244 2) 339848

Tel.: +(244 2) 332145
 Fax: +(244 2) 339848

Tel.: +(229) 31 4669/31 5845
 Fax: +(229) 31 36 42
 Telex: 5225 COBNAM

Tel.: +(229) 314669/315845
 Fax: +(229) 315845

Tel.: +(229) 315280/312890/314387
 Fax: +(229) 312891
 Telex: 5004 DIRPORT CTNOU

Tel.: +(237) 428956
 Fax: +(237) 428956

CAMEROON (cont'd)

cc.: Mr. Jean-Luc Ngamaleu Tchako
 Port Officer - Deputy Chief of
 Service Traffic Regulation
 National Ports Authority
 Harbour Master's Office
 P.O.Box 4020
 Douala

CAPE VERDE

Mr. J. Costa Pina
 Advisor to the Minister of the Sea
 P.O.Box 206
 Praia

cc.: Mr. Humberto Fortes
 Naval Engineer/Ship Inspector
 General Directorate of Marine and
 Ports
 P.O.Box 7
 Mindelo
 S. Vicente

CONGO

Mr. Daniel Nkouta
 Directeur Général de la Marine Marchande
 Direction Générale de la Marine Marchande
 B.P. 4241
 Pointe-Noire

cc.: Mr. Jean-Claude Boukono
 Directeur de la Navigation et de la
 Sécurité
 Maritimes

Direction Générale de la Marine
Marchande
B.P. 1107
Pointe-Noire

cc.: Mr. Martin Parfait Aime Coussoud-
Mavoungou
Conseiller Maritime du Ministre chargé

de la

Marine Marchande
Ministère des Transports, de l'Aviation

Civile

et de la Marine Marchande
B.P. 909, Pointe-Noire
B.P. 2148, Brazzaville

Tel.: +(237)
20133/427322/423342
Fax: +(237) 426797

cc.: Mr. Jules Ngoma
Commandant du Port
Port Autonome de Pointe-Noire
B.P. 711
Pointe-Noire

Tel.: +(238) 610515/0317
Fax: +(238) 611770

Tel.: +(238) 324342
Fax: +(238) 324343

Tel.: +(242) 942326
Fax: +(242) 944832

Tel.: +(242) 942326/944469
Fax: +(242) 944832

Tel.: +(242) 943990 (Pointe
Noire)
+(242) 834334
(Brazzaville)
Fax: +(242) 944922 (Pointe
Noire)
+(242) 830916
(Brazzaville)

Tel.: +(242) 940052
Fax: +(242) 942042

CONGO (cont'd)

cc.: Mr. Alexis Mingolé (copy given to
Malamine)
Représentant Permanent du
Congo
Après de l'Organisation
Maritime
Internationale
10 Mason Court
The Avenue
London HA9 9PD

COTE D'IVOIRE

Directeur des Affaires Maritimes et
Portuaires
01 B.P. V67
Abidjan 01

cc.: Commandant Mah Daniel Moussako
Inspecteur des Navires et de la
Navigation
Ministère délégué de l'Équipement
chargé
de l'Énergie et du Transport
Direction des Affaires Maritimes et
Portuaires
B.P. V 67
Abidjan

cc.: Mr. Ebbo Ebba
Chef du Département Sécurité
Port Autonome d'Abidjan
B.P. V 85
Abidjan

GABON

Directeur Général Adjoint
Direction de la Marine Marchande
Attn.: Mr. Alain Régis Gnambault Kaka
Ministère des Transports et de la Marine
Marchande
B.P. 803

Libreville

cc.: Mme. Emilienne Bouassa Moussadji
Directeur des Gens de Mer, de la
Navigation et de la Sécurité
Maritimes
Ministère de la Marine Marchande et
de la
Pêche
Direction Générale de la Marine
Marchande
B.P. 803
Libreville

Tel.: +(225) 238375
Fax: +(225) 23808/246178

cc.: Directeur
OPRAG
B.P. 1051

Tel.: +(241) 760193/756668
Fax: +(241) 760185

Tel.: +(241) 760600
Fax: +(241) 760185/720042

Tel.: +(241) 701798/700104
Fax: +(241) 703735
Telex: 5319

Tel.: +(44) 181 9086013

Tel.: +(225) 221630
Fax: +(225) 21 53 17

Tel.: +(225) 240221
Fax: +(225) 215317

GABON (cont'd)

cc.: Mr. Joseph Ndoutoume Bé
 Permanent Representative of the
 Republic of Gabon to the
 International
 Maritime Organization
 Embassy of the Republic of
 Gabon
 27 Elvaston Place
 London SW7 5NL

GAMBIA

Mr. Moustapher L. Marong
 Director of Maritime and Shipping
 Services
 Gambia Ports Authority
 Wellington Street
 Banjul

GHANA

Mr. James Cabot Afari
 Shipping Commissioner
 Division of Shipping and Navigation
 P.O.Box M38
 Accra

cc.: Mr. I.P. Azuma
 Deputy Shipping Commissioner

cc.: Mr. M.T. Addico
 Chief Executive
 Ghana Shipper's Council
 Accra

GUINEA-BISSAU

Mr. Jocias Waldermar Forbs Teixeira
 Polit Officer and Ships Surveyor
 Direcção Nacional de Marinha e
 Portos
 C.P. 25

Bissau

EQUATORIAL GUINEA

Mr. Antonio Obama Ela
 Director General of Transports and
 Civil Aviation
 Ministerio de Comunicaciones &
 Transportes
 Malabo

Tel.: +(240) 92605
Fax: +(240) 92515

Tel.: +(44) 171 5840047

Tel.: +(220) 227270/222292
Fax: +(220) 227268

Tel.: +(233) 663506
Fax: +(233) 667114/23321

Tel.: +(233) 666915
Fax: +(233) 668768

Tel.: +(245)213911/201984

LIBERIA

His Excellency
 Ambassador Gerald F.B. Cooper
 Permanent Representative of the
 Republic of Liberia to the IMO
 Permanent Mission of the Republic of
 Liberia to the IMO
 Dean Bradley House
 52 Horseferry Road
 London SW1P 2AF

cc.: Mr. Samuel Alahdemah
 Kanasuah
 Assistant
 Commissioner/Technical
 Affairs
 P.O.Box 1849
 Providence Building
 Ashmun Street
 Monrovia

cc.: Mr. Lawrence D. Barchue Sr.
 Deputy Permanent
 Representative of
 The Republic of Liberia to the
 International Maritime
 Organization
 Dean Bradley House
 52 Horseferry Road
 London SW1P 2AF

MAURITANIA

Mr. Khaled Cheikh Ould
 Directeur de la Marine Marchande
 Ministère des Pêches et de l'Economie
 Maritimes
 B.P. 137
 Nouakchott

cc.: Mr. Sidi Ould Aly
 Inspecteur des Affaires Maritimes
 Ministère des Pêches et de
 l'Economie
 Maritimes
 Direction de la Marine

cc.: Directeur
 Port Autonome de Nouadhibou
 B.P. 236
 Nouadhibou

NAMIBIA

The Permanent Secretary
 Ministry of Works, Transport and
 Communication
 Private Bag 13341
 Windhoek

Tel.: +(222) 245127
Fax: +(222) 245136
Telex: 441

Tel.: +(44) 171 9760725
Fax: +(44) 171 9760726
E-mail:
100631.656@compuserve.com

Tel.: +(264) 61 2089111
Fax: +(264) 61 228560

Tel.: +(231) 226069
Fax: +(231) 226069

Tel.: +(44) 171 9760725
Fax: +(44) 171 9760726
E-mail:
100631.656@compuserve.com

Tel.: +(222) 257893
Fax: +(222) 253146

Tel.: +(222) 252476 Poste
Fax: +(222) 253146

NAMIBIA (cont'd)

cc.: Captain Ato Erzan-Essien
Deputy Director Operations
Ministry of Works, Transports
and
Communication
Directorate of Maritime Affairs
Private Bag 5004
Walvis Bay

cc.: Mr. A. Aidjervi
Private Bag
80883 Olympia
Windhoek

Wuse Zone 5
Abuja

SAO-TOME & PRINCIPE

Mr. Marcelino Alves Narciso
Eng. Transportes
Consellero de Ministro de
Equipamento Social y Ambiente
B.P. 130/261
Sao Tomé

NIGERIA

Mr. Buba Galadima
Director General
Federal Ministry of Transport

Dr. Babangida Aliyu
Director
Federal Ministry of Transport
Shehu Shagari Way
Abuja

cc.: Mr. Adamu Wasagu
Director, Research Planning
and
Statistics
National Maritime Authority

Plot 1970, Michael Okpara
Street
Wuse Zone 5
Abuja

cc.: Mr. Galtima Liman
Special Assistant to the
General
Director
National Maritime Authority
Plot 1970, Michael Okpara
Street

Tel.: +(264) 064 203317/207977 Fax: +(239) 12 22824/12
22500
Fax: +(264) 064 205266

Tel.: +(264) 61 2082195
Fax: +(264) 61 240024
E-mail: fpoolman@nam.lia.net

Tel.: +(234) 9 5236094
Fax: +(234) 9 5237051

Tel.: +(234) 9 5237020
Fax: +(234) 9 5237021

Tel.: +(234) 9 5237014
Fax: +(234) 9 5237021

SENEGAL

Directeur
 Direction de la Marine Marchande
 Ministère de l'Équipement
 B.P. 4032
 Dakar

cc.: Mr. Gomis Diedhiou
 Chef du Bureau de la Sécurité
 Maritime
 Direction de la Marine
 Marchande
 B.P. 4032
 Dakar

cc.: Directeur
 Port Autonome de Dakar
 Boulevard de la Libération
 B.P. 3195
 Dakar

SIERRA LEONE

The Permanent Secretary
 Department of Transport and
 Communications
 Ministerial Building
 George Street
 Freetown

cc.: Director
 Sierra Leone Ports Authority
 Harbour Masters Office

SOUTH AFRICA

Captain B.R. Watt
 Chief Director Shipping
 Chief Directorate Shipping
 Department of Transport
 Private Bag X193
 Pretoria 0001

TOGO

Directeur des Affaires Maritimes
 B.P. 4771

Lomé

cc.: Mr. Koté François A. Djahlin
 Inspecteur de la Sécurité des
 Navires
 et de la Navigation Maritime
 Ministère des Mines, de
 l'Équipement,
 des Transports, des Postes et
 des
 Télécommunications
 Direction des Affaires Maritimes
 B.P. 4771
 Lomé

Fax: +(228) 221796

Tel.: +(221) 213643/212761
Telex: 295 COSEC SG

Tel.: +(228) 214161/212971
Fax: +(228) 228 221796

Tel.: +(221) 8 213643
Fax: +(221) 8 214758

Tel.:
+(221)234545/231024/231470
Fax: +(221) 8 233606
Telex: Porcomer 51406 SG -
21404 PADKR 82

Tel.: +(232) 22 223202
Fax: +(232) 22 228488

Tel.: +(232) 22 250033
Fax: +(232) 22 250616

Tel.: +(27) 12 3093707/3093692/3093688
Fax: +(27) 12 3423160

Tel.: +(228) 214161

INTERNATIONAL LABOUR OFFICE

Mr. B.K. Nilssen
Chief
Maritime Industries Branch
4 Route des Morillons
CH-1211 Geneva 22

**AFRICAN DEVELOPMENT BANK
(ADB)**

Director General
02 BP 1387
Abidjan 01
Côte d'Ivoire

**MINISTERIAL CONFERENCE OF
WEST AND CENTRAL AFRICA ON
MARITIME TRANSPORT
(MINCONMAR)**

Mr. Addico
Secretary-General
MINCONMAR
B.P. V 257
Abidjan

**INTERNATIONAL MARITIME
ORGANIZATION (IMO)**

Mr. Fernando Plaza
Senior Deputy Director
Maritime Safety Division

Mr. Alfredo Garofalo
Head, Conference Division
Administrative Division

Ms. Marie-Hélène Williams
Technical Programme Officer
Maritime Safety Division

Mr. A.A. Protonotarios
IMO Consultant

International Maritime Organization
4 Albert Embankment
London SE1 7SR

OBSERVERS

Tel.: +(41) 22 7997008/7501
Fax: +(41) 22 7997050

Tel.: +(225) 204001/204037
Fax: +(225) 204901/227839

Tel.: +(225) 22 7493/94
Fax: +(225) 22 7493

Tel.: +(44) 171 7357611
Fax: +(44) 171 5873210
Telex: 23588 IMOLD

ECONOMIC COMMISSION FOR AFRICA (ECA)

Mr. Mbaye Diouf
 Director
 Regional Co-operation and Integration
 Division (RCID)
 United Nations ECA
 Africa Hall
 P.O.Box 3005
 Addis Ababa
 Ethiopia

Mr. Mohamed Hafiz Tunis
 Ambassador, Economic Advisor
 Organization of African Unity
 OAU Permanent Delegation
 220 Route Ferney
 1218 G. Saconnex

cc.: Mr. Paul Were
 Multimodal Transport Expert
 ECA
 P.O.Box 3005
 Addis Ababa
 Ethiopia

EUROPEAN COMMISSION

Mr. R. Salvarani
 Head of Maritime Safety Unit
 DGVII
 Avenue de Beaulieu 33
 1160 Brussels

INTERNATIONAL ASSOCIATION OF CLASSIFICATION SOCIETIES

Mr. J.R.G. Smith
 Permanent Representative to IMO
 5 Old Queen Street
 London
 SW1H 9JA

INTL. TRANSPORT FEDERATION

Mr. Mark Dickinson
 Assistant-General Secretary
 49-60 Borough Road
 London SE1 1DS

ORGANIZATION FOR AFRICAN UNITY

Tel.: +(41) 22 7881660
Fax: +(41) 22 7316818

Tel.: +(251) 1 516629
Fax: +(251) 1 513038

Tel.: +(251) 1 517200
Fax: +(251) 1 514416

Tel.: +(32) 2 2968482
Fax: +(32) 2 2969066

Tel.: +(44) 171 9760660
Fax: +(44) 171 9760440

Tel.: +(44) 171 9409270
Fax: +(44) 171 3577871

**PORT MANAGEMENT
ASSOCIATION FOR WEST AND
CENTRAL AFRICA (PMAWCA)**

Mr. F.J. Gauze
Secrétaire-Général
12 Park Lane
P.O.Box 1115
Apapa

Mr. R. Schiferli
Secretary
Secretariat Paris MOU
Bordewijkstraat 4
P.O.Box 5817
2280 HV Rijswijk
The Netherlands

**COMMUNAUTE ECONOMIQUE ET
MONETAIRE DE L'AFRIQUE
CENTRALE
(CEMAC)**

Mr. Benjamin N'Dala
Directeur du Département de
Transport et
Communications
B.P. 1004 Bangui
R.C.A.

CARIBBEAN MOU

Mrs. Valérie Browne
Secretary
Secretariat Caribbean MOU
International Transport Division
Herbert House
Fontabelle
St. Michael
Barbados

ACUERDO DE VIÑA DEL MAR

Mr. Juan José Beltritti
Perfecto Mayor
Viña del Mar Agreement Secretariat
Prefectura Naval Argentina
Buenos Aires

PARIS MOU

Tel.: +(31) 70 3955555
Fax: +(31) 70 3511599

Fax: +(2341) 5871278

Tel.: +(236) 614781/616071
Fax: +(236) 612135
E-mail: sgvdeac@internet.cf

Tel.: +(246) 4294156
Fax: +(246) 4250101

Tel.: +(54) 1 3187455
Fax: +(54) 1 3187547

TOKYO MOU

Mr. Y. Sasamura
 Secretary
 Tokyo MOU Secretariat
 Tomoecho Annex Building 6F
 3-8-26, Toranomom
 Minato-Ku, Tokyo
 Japan 105

SOUTHERN AFRICAN AND ISLANDS (SAIHC)

Captain Derek LAW
 Chairman
 Hydrographic Office
 Private Bag X1
 Tokai
 7966 Cape Town
 Rep. of South Africa

UNDP GUINEA

Mr. Cyr Samake
 UNDP Resident Representative
 B.P. 222
 Conakry

REGIONAL HYDROGRAPHIC COMMISSIONS**EASTERN ATLANTIC (EatHC)**

Ing. Général F. MILARD
 Chairman
 SHOM
 3, Avenue Octave Gréard - Paris
 7ème
 B.P. 5
 F 00307 Armées

MEDITERRANEAN AND BLACK SEAS (MBSHC)

Captain Hüseyin YÜCE
 Chairman
 Seyir, Hidrografi ve Osinografi
 Dairesi Baskalingi
 Çubuklu 81647
 Istanbul, Turkey

Tel.: +(81) 3 34330621
Fax: +(81) 3 34330624

Tel.: +(224) 411558
Fax: +(224) 412485

Tel.: +(33) 1 44384116
Fax: +(33) 1 4065 9998
Telex: 285421 (Préfixe: pour SHOM)
E-mail: milard@shom.fr

Tel.: +(90) 216 3222580 to 84
Fax: +(90) 216 3310525
Telex: 29783 DKSH TR

Tel.: +(27) (021) 7872408
Fax: +(27) (021) 7872228
Telex: 527946 HYDROSAN
E-mail: hydrosan@iafrica.com