Tel: +27 21 7872412 Fax: +27 21 7872233

Email: hydrosan@iafrica.com



South African Navv Hydrographic Office Private Bag X1 Tokai 7966 REPUBLIC OF SOUTH AFRICA 08 April 2013

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SAIHC Letter No. 1/2013

Mr Thomas Dehling Thomas.dehling@bsh.de Chair of the IHO Capacity Building Sub Committee

Dear Mr Dehling

SAIHC Capacity Building Projects Subject:

The Southern Africa and Islands Hydrographic Commission, at its last meeting (Sept 2012, Port Louis, Mauritius), considering the IHO CBSC guidelines, approved a Capacity Building Plan which follows as Enclosure 1 to this letter. As can be seen, the SAIHC CB Plan considers the IHO Objectives and Strategic Directions, together with the peculiarities of the SAIHC region. Therefore the derived projects focus on achieving these objectives and are not just desirable events.

In accordance with the referred procedures, I submit to the IHO CBSC two projects to be carried out during 2014, which may be found at Enclosure 2.

On behalf of the SAIHC membership, may I express my sincere appreciation to the IHO CBSC for the continued support to this Regional Hydrographic Commission.

Yours sincerely

Chairman Southern Africa & Islands Hydrographic Commission (SAIHC)

Copy:

IHB, Att. Capt Alberto Costa Neves a.neves@ihb.mc

Enclosure 1: SAIHC Capacity Building Plan

2: SAIHC Capacity Building Projects



INTERNATIONAL HYDROGRAPHIC ORGANIZATION SOUTHERN AFRICA & ISLANDS HYDROGRAPHIC COMMISSION



CAPACITY BUILDING PLAN

Programme document for the period 2013-2017

1. INTRODUCTION

1.1. Rationale

The Southern Africa & Islands (SAIHC) region contains three of the worlds 64 major large marine ecosystems, the Benguela current, the Agulhas current and the Somali current. Some of the species and habitats of these currents are unique. The main traffic to the west of the region are the routes from ports in NW Africa to the Cape of Good Hope together with the transatlantic routes for traffic between North and South America and the ten ports in this area

The shipping lanes along the East Africa coast carry over 30% of the world's crude oil supplies. This region contains thirteen important commercial ports serving as hubs for traffic emanating from, and destined for Europe, Asia, the Americas and the east and western coasts of Africa. In addition to the large cargo ships travelling internationally, many smaller boats serving local needs ply the coastal waters and harbours. Oil and gas exploration programmes operating throughout the region bring additional risks.

For these reasons, it is crucial that SOLAS contracting Governments undertake hydrographic surveys as and when required, that they arrange for the compilation and publication of hydrographic data, the dissemination and keeping up to date of all nautical information necessary for safe navigation.

The IHO Capacity Building Strategy classifies the development of hydrographic services into three phases:

- those which are in Phase 1: Collection and circulation of nautical information, necessary to maintain existing charts and publications up to date;
- those which are in Phase 2: Creation of a surveying capability to conduct coastal and offshore projects; and
- those which are in Phase 3: Produce paper charts, ENC and publications independently.

Coastal/maritime states have certain treaty obligations (SOLAS) placed on them and the IHO/SAIHC effort aims at assisting states in meeting these obligations. To achieve this a national understanding and coordination effort is required noting that:

- resources (human, time, finance etc) are limited, consequently prioritization is a fundamental issue;
 - planning must be realistic;
- longer term training such as CAT A or B are not covered because such training is out of the scope of the IHO CB budget.

Nowadays, the rapidly evolving technology has replaced old navigation paradigms and demands continuous investments in education and training so that the Hydrographic Services can continue to provide high quality products and services which satisfy new demands of the maritime community.

SAIHC is aware of its Member States' efforts to provide quality service to the international maritime community in order to contribute to the safety and security of navigation and human life at sea as well as the preservation of the environment in its region and, as part of the IHO community, to contribute to the achievement of the objectives and directions of the Organization.

1.2. Aims and objectives

The aims of the Plan are:

- a) to train staff, at various levels, to ensure a much needed capability on hydrography and nautical cartography, particularly after natural disaster or other incidents which could affect water depths in harbours and approaches; and
- b) to comply with the IHO resolutions and guidelines regarding hydrographic and nautical cartographic activities.

The medium term objective of this Plan are:

a) to ensure a basic level of MSI is established in all coastal states to, produce Local/Coastal/NAVAREA Warnings, communicate effectively with the charting authority and implement the MSI elements of GMDSS;

The longer term objectives are:

- a) to instruct staff in the region on the methods of carrying out hydrographic surveys, to improve safety of navigation through enhanced navigational products;
- b) to promote the establishment of Hydrographic Services (HS) and the evolution of CB Phases of the established ones.

1.3. Priorities

Despite the breadth of need existing in the Region, for the period of 2013 to 2017, priorities should be set in the sequence of the following list, the first of which are the highest:

- 0 activities which may promote awareness of national hydrographic obligations;
- 1 activities which may improve the capacity of existing HS in Phase 1;
- 2 activities which may improve the capacity of existing HS in Phase 2; and
- 3 activities which may improve the capability of existing HS in Phase 3.

Note the link between the training activities listed in paragraph 2. Activities below, and phases 0 to 3 listed above

The current hydrographic capacity status of countries/territories of the region is in Annex ${\bf A}$.

1.4. Methodology and Procedures

This Plan will be reviewed each year, and adjustments made as necessary.

Each year the Commission will decide responsibilities for the programmed events of the subsequent year.

The SAIHC Capacity Building Coordinator will send to the Chair, no later than January 31^{st} of each year details of all planned projects. The projects must be written in the standards established by the IHO CBSC (see Annex $\underline{\mathbf{B}}$).

Projects supported by IHO CB Fund must follow the IHO CBSC procedures published at the IHO website.

The Chair will check the proposed projects and, if requesting IHO CB Fund support, will send them to the IHO CBSC Chair and Secretary no later than MARCH 15th, otherwise, will take the appropriate action.

2. Activities

| Phase | Activity | Project Objective | Target Audience |
|-------|--|---|---|
| 0.1 | Technical visits Type 1 High level technical visit to governmental authorities | To raise government awareness of their SOLAS treaty obligations | Related Ministries and Heads of National Agencies, particularly governmental |

| Phase | Activity | Project Objective | Target Audience |
|-------|---|---|---|
| | | | decision makers |
| 0.2 | Technical visits Type 2 Technical assessment and advice visit | Provide advice to identify how coastal states meet their hydrographic and MSI reponsibilities | Maritime Sector National Agencies. Stakeholders and decision makers |
| 1.1 | MSI Course (3 days) Training on establishment of MSI structure and basic MSI procedures | To establish a core group of trained persons to deal with MSI | MSI Practioners |
| 1.2 | Phase 1 Skills (5 days) An introduction to the assessment and promulgation of navigationally significant data | To provide a core group with the skills and knowledge to assess and promulgate navigationally significant information to the wider maritime community (this course supports the MSI course) | MSI Practioners |
| 2.1 | Basic Hydrographic Survey Course (10 days) | To provide awareness of national hydrography, hydrographic surveying and nautical cartography | Maritime Sector Decision Makers |
| 2.2 | Port and Shallow Water Survey Course (5 days) | A workshop to aid exchange of information and ideas about the challenges faced by port and shallow water surveyors in the SAIHC region | Port Surveyors |
| 2.3 | MBES Processing (5 days) | To train a group of hydrographic surveyors the techniques required to post-process MBES data | Hydrographic Practioners |
| 2.4 | MSDI and Database Management (5 days) | To give participants an understanding of spatial data infrastructures (SDI) including the importance and role of data management and databases | Government Planners |
| 2.5 | Tides and Water Level Workshop (5 days) | To provide fundamental knowledge and understanding of tides and water level, and their applications for hydrographic surveying and mapping activities | Hydrographic Practioners |
| 2.6 | Seabed Classification Workshop (5 days) | To provide a group of professionals with the skill and knowledge to use acoustic techniques to map extensive seabed surfaces and to determine the products of seabed mapping | Hydrographic Practioners |
| 3.1 | Basic ENC and ENC Production course (10 days) | To train a group of professionals with a practical introduction to S-57 data | Cartographic Practioners |
| 3.2 | ENC Production and QA (5 days) | To train a group of professionals to verify and validate S-57 data | Cartographic Practioners |
| 3.3 | Module 1 – Marine Cartography of the CAT B Cartographic Course (5 weeks) | To provide participants delegates with a practical understanding of nautical cartography and the necessary skills to carry out routine nautical cartographic skills | Cartographic Practioners |

| Phase | Activity | Project Objective | Target Audience |
|-------|--|--|--|
| 3.4 | Module 2 – Hydrographic Data Processing of the CAT B Cartographic Course (5 weeks) | To provide participants with a practical understanding of hydrographic data processing the skills to carry out accurate assessment and an appreciation of the issues surrounding chart maintenance | Cartographic Practioners |
| 3.5 | Module 3 – Electronic Navigational Charts (ENC) of the CAT B Cartographic Course (5 weeks) | To provide a group of professionals with the skill and knowledge to produce ENCs | Cartographic Practioners |
| 3.6 | Law of the Sea Workshop (5 days) | To teach participants the basic technical principles applicable to maritime boundary delimitation. The delegates should be from technical hydrographic or cartographic backgrounds | Maritime Sector Decision Makers |
| 3.7 | Tsunami inundation mapping workshop (5 days) | To improve the modelling and presentation of regional tsunami inundation maps | Maritime Sector and emergency planning |

3. Capacity Building Program The program of capacity building activities for the period 2013 – 2017 is detailed in Annex $\underline{\mathbf{C}}$.

SAIHC Counties/Territories Capacity Building Phase Stage

Reference: http://www.iho-ohi.net/mtg_docs/CB/CBA_TechnicalVisits.htm

| | Country / Territory | CB Phase 0 | CB Phase 1 | CB Phase 2 | CB Phase 3 | Last TV |
|----|--------------------------|---------------|---------------|------------------|----------------|---------|
| 1 | Angola | | | | UKHO | 2008 |
| 2 | France | | Self | Self | Self | N/R |
| 3 | Kenya | | | | UKHO | 2012 |
| 4 | Madagascar | | | | SHOM | 2011 |
| 5 | Malawi | | | | Self | 2011 |
| 6 | Mauritius | | | | UKHO/ India | 2012 |
| 7 | Mozambique | | | | | 2012 |
| 8 | Namibia | | | | RSA | 2011 |
| 9 | Norway | | Self | Self | Self | N/R |
| 10 | Portugal | | Self | Self | Self | N/R |
| 11 | Republic of South Africa | | Self | Self | Self | N/R |
| 12 | Seychelles | | | | UKHO | 2012 |
| 13 | Tanzania | | | | UKHO | 2012 |
| 14 | United Kingdom | | Self | Self | Self | N/R |
| 15 | Comoros | | | | SHOM | 2011 |

KEY TO REQUIRED TRAINING ACTIVITY

| Technical visit |
|--|
| MSI Training and development |
| Hydrographic survey training and development |
| Cartographic training and development |



PROJECT SUBMISSION MODEL

| IDENTIFICATION | Project Number : |
|--|--|
| | |
| Project Name: | |
| Submitting RHC/Country: | |
| Date: | |
| Institution executing the | |
| project: | |
| Name of responsible: | |
| Address: | |
| Telephone: | |
| Fax: | |
| e-mail: | |
| Background information | on in Annex of no more than three pages) |
| Justification of the project | |
| C4 | 1 |
| Countries involved Exposition of the problem | |
| General objective | |
| Specific objectives | |
| Outputs/Products | |
| Other deliverables | |
| Achievements and awaited | |
| benefits | |
| | |
| Schedule of activities | |
| RESOURCES | |
| Contribution by | |
| countries involved | |
| Contribution | |
| by other | |
| parties | |
| Contribution | |
| expected from | |
| CBCFund | |

| Total Cost | |
|-------------------|--|
| (euros) | |
| Breakdown of | |
| costs | |
| | |
| From CBC | |
| Fund (item | |
| and amount) | |

PROJECT SUMMARY

| Sponsor RHC | Year of Execution | Country/ Countries involved | Priority/ Status | Project Name | Project Objective | Benefits | Assistance required | Cost | Allocation and Priority (to be filled by CBC) | Contact Person |
|----------------|----------------------|-----------------------------------|---------------------|-----------------|----------------------|----------|---------------------|------|---|-------------------|
| | | | | | | | | | | |

Name and Signature of the RHC Chairman

Annex C to CB Plan

Capacity Building Program for the period 2013 - 2017

| 2013 | Beneficiaries | | | |
|-----------------------|-------------------------|-----------------------|------------------|-------------------------------|
| Activity | Countries / Territories | Responsible | Period | Obs. |
| MSI Course (3 days) | For identified coastal | SAIHC CB | Nov/Dec 2013 | |
| | states | Coordinator | | |
| Basic ENC and ENC | For identified coastal | SAIHC CB | | IMO to organize – |
| Production Course | states | Coordinator | | 2 nd Semester |
| (10 days) | | | | 2013 |
| Law of the Sea | For identified coastal | SAIHC CB | | The CBSC did not |
| Workshop (5 days) | states | Coordinator | | accept this |
| | | | | submission at its |
| | | | | meeting in |
| | | | | Singapore June |
| MODI and Database | Fortiloutfort contain | 0.411.10.00 | | 2012 |
| MSDI and Database | For identified coastal | SAIHC CB | | The CBSC did not |
| Management (5 | states | Coordinator | | accept this submission at its |
| days) | | | | meeting in |
| | | | | Singapore June |
| | | | | 2012 |
| Chart Production (on | For Portuguese | SAIHC CB | Mozambique & | Training venue = |
| the job training) 10 | speakers only | Coordinator | Brazil to advise | Mozambique |
| days | | | | Training provider |
| | | | | = Brazil |
| | | | | |
| | | | | The CBSC |
| | | | | accepted this |
| | | | | submission at its |
| | | | | meeting in |
| | | | | Singapore June |
| | | | | 2012 with one |
| | | | | amendment – for INAHINA staff |
| | | | | only |
| Hydrographic Survey | For Portuguese | SAIHC CB | | Training venue = |
| (on the job training) | speakers only | Coordinator | | Mozambique |
| 10 days | opeanore emy | o o o i a i i a i o i | | Training provider |
| 10 0.0.70 | | | | = Brazil |
| | | | | |
| | | | | The CBSC did not |
| | | | | accept this |
| | | | | submission at its |
| | | | | meeting in |
| | | | | Singapore June |
| | | | | 2012 |
| | | | | |
| | | | | |
| | | | | |

| Activity | Beneficiaries Countries / Territories | Responsible | Period | Obs. |
|---|---|-------------------------|--------|--|
| Technical and Advisory Visits | Repeat visits to selected coastal states | IHO and SAIHC | | Will be considered on request only |
| Basic ENC and ENC Production Course (10 days) | For identified coastal states | SAIHC CB Coordinator | | Amended to a Basic Hydrographic Survey Course (10 days) on the advice of the SAIHC Chair |
| Tides and Water Level Workshop (5 days) | For identified coastal states | SAIHC CB Coordinator | | Added on the suggestion of the SAIHC Chair |
| 'On the job' survey training | For most coastal states | SAIHC CB Coordinator | | Suggested by SAIHC Chair On an opportunity basis – no submission required |
| | | | | |

| | D 6: | | | |
|---|---|-------------------------|--------|------|
| Activity | Beneficiaries Countries / Territories | Responsible | Period | Obs. |
| MSI Course (3 days) | For identified coastal | SAIHC CB | | |
| | states | Coordinator | | |
| Basic Hydrographic | For identified coastal | SAIHC CB | | |
| Survey Course (10 days) | states | Coordinator | | |
| MSDI and Database Management (5 days) | For identified coastal states | SAIHC CB Coordinator | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| Activity | Beneficiaries Countries / Territories | Responsible | Period | Obs. |
|-----------------------------|---|-------------|--------|------|
| Technical and | Repeat visits to | IHO and | | |
| Advisory Visits | selected coastal states | SAIHC | | |
| Basic ENC and ENC | For identified coastal | SAIHC CB | | |
| Production Course (10 days) | states | Coordinator | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| Activity | Beneficiaries Countries / Territories | Responsible | Period | Obs. |
|--|---|-------------------------|--------|------|
| MSI Course (3 days) | For identified coastal states | SAIHC CB Coordinator | | |
| Basic Hydrographic Survey Course (10 days) | For identified coastal states | SAIHC CB Coordinator | | |
| Law of the Sea Workshop (5 days) | For identified coastal states | SAIHC CB Coordinator | | |
| MSDI and Database Management (5 days) | For identified coastal states | SAIHC CB Coordinator | | |
| | | | | |
| | | | | |



PROJECT SUBMISSION MODEL

IDENTIFICATION Project Number :

| Project Name: | Introduction to Tides and Water Levels Workshop |
|--------------------------------|---|
| Submitting RHC/Country: | SAIHC (as part of the approved SAIHC CB Plan) |
| Date: | 2014 |
| Institution executing the | UKHO |
| project: | |
| Name of responsible: | J Bryant (Sponsor) |
| Address: | United Kingdom Hydrographic Office |
| | Admiralty Way |
| | Taunton |
| | TA1 2DN |
| | UK |
| Telephone: | +44 1823 337900 x 3821 |
| Fax: | +44 1823 284077 |
| e-mail: | jeff.bryant@ukho.gov.uk |

GENERAL SPECIFICATIONS

(Please provide detailed information in Annex of no more than three pages)

| Background information | As more SAIHC nations develop a data collection ability an understanding of tides and water levels becomes an important factor in accurate vertical measurements |
|------------------------------|--|
| Justification of the project | Regional requirement |

| Countries involved | Angola, Comoros, Madagascar, Malawi, |
|---------------------------|--|
| | Mauritius, Mozambique, Namibia, Seychelles |
| | and Tanzania |
| Exposition of the problem | Individual SAIHC nations cannot fund |
| | appropriate staff to undertake any recognized |
| | course |
| General objective | To train survey operations personnel to |
| | understand tides and their impact on |
| | hydrographic surveys |
| Specific objectives | As above |
| Outputs/Products | To train a group of professionals in the basics of |
| | tide and water level theory |
| Other deliverables | Better and more accurate hydrographic surveys |
| Achievements and awaited | The vertical component of hydrographic surveys |
| benefits | will be more accurate |

| Schedule of activities | 5 day course |
|------------------------|--------------|

RESOURCES

| Contribution by countries involved | Training facilities to be identified. UKHO will provide assistance in organizing and managing the training if required. | | | | | | |
|------------------------------------|---|----------|----------|---------------|------|--------|--------------------------|
| Contribution | Hopefully an IHO | Member s | tate wil | l provide the | trai | iners | |
| by other | | | | | | | |
| parties | | | | | | | |
| Contribution | Yes | | | | | | |
| expected from | | | | | | | |
| CBCFund | | | | | | | |
| Total Cost | €24,731 | | | | | | |
| (euros) | | | | | | | |
| Breakdown of | | Trainees | x 8 | (1 local) | | | |
| costs | Flights | | 7 | persons x | | € 996 | € 6,974 |
| | Hotel, all meals | | 7 | persons x | 6 | nights | |
| | | = | 54 | nights x | | € 222 | € 12,002 |
| | Transport | | 7 | persons x | | € 42 | € 375 |
| | | Trainers | x 2 | | | | |
| | Flights | | 2 | х | | € 996 | € 1,993 |
| | Hotel, all meals | | 6 | days | | | |
| | | = | 12 | nights x | | € 222 | € 2,667 |
| | Transport | | 2 | persons x | | € 42 | € 83 |
| | Venue materials & hire costs | | | | | | |
| | For the week | | | | | Total | € 637 € 24,731 |
| | Please note that the figures above have been rounded up/down to the nearest Euro and were taken from a more detailed spreadsheet. | | | | | | |

| From CBC | €24,731 |
|-------------|---------|
| Fund (item | |
| and amount) | |

PROJECT SUMMARY

| Sponsor RHC | Year of Execution | Country/ Countries | Priority/ Status | Project Name | Project Objective | Benefits | Assistance required | Cost | Allocation and Priority (to be | Contact Person |
|----------------|----------------------|-----------------------|---------------------|-----------------|----------------------|-----------------|---------------------|---------|-----------------------------------|-------------------|
| | | involved | | | | | _ | | filled by CBC) | |
| SAIHC | 2014 | SAIHC | Priority 2 | Tidal and | To train | The vertical | Fund Travel | €24,731 | | Jeff Bryant |
| | | Member | | Water | survey | component of | & | | | (SAIHC CB |
| | | States | | Levels | operations | hydrographic | subsistence | | | Coordinator) |
| | | | | Workshop | personnel | surveys will be | for up to 9 | | | |
| | | | | | to | more accurate | students, | | | |
| | | | | | understand | | together | | | |
| | | | | | tides and | | with x1 | | | |
| | | | | | their | | trainer | | | |
| | | | | | impact on | | | | | |
| | | | | | hydrograp | | | | | |
| | | | | | hic surveys | | | | | |

range of

Chairman Southern Africa & Islands Hydrographic Commission (SAIHC)

Name and Signature of the RHC Chairman



PROJECT SUBMISSION MODEL

IDENTIFICATION

| Project | Number | : |
|---------|--------|---|
|---------|--------|---|

| Project Name: | Introduction to Hydrographic Surveying and |
|--------------------------------|---|
| | Nautical Charting |
| Submitting RHC/Country: | SAIHC (as part of the approved SAIHC CB Plan) |
| Date: | Mid to late 2014 |
| Institution executing the | UKHO |
| project: | |
| Name of responsible: | J Bryant (Sponsor) |
| Address: | United Kingdom Hydrographic Office |
| | Admiralty Way |
| | Taunton |
| | TA1 2DN |
| | UK |
| Telephone: | +44 1823 337900 x 3821 |
| Fax: | +44 1823 284077 |
| e-mail: | jeff.bryant@ukho.gov.uk |

GENERAL SPECIFICATIONS
(Please provide detailed information in Annex of no more than three pages)

| Background information | There is extremely limited capacity within many |
|-------------------------------|--|
| | SAIHC nations to take responsibility for, or effectively |
| | contribute to the surveying or management of survey |
| | projects of their waters. |
| Justification of the project | Regional requirement |

| Countries involved | Angola, Comoros, Madagascar, Malawi, |
|---------------------------|--|
| | Mauritius Mozambique, Namibia, Seychelles and |
| | Tanzania |
| Exposition of the problem | Individual SAIHC nations cannot fund |
| | appropriate staff to undertake any recognized |
| | course |
| General objective | To establish capacity so that maritime authorities |
| | can provide high quality products and services to |
| | comply with the requirements for safety of |
| | navigation in the area |
| Specific objectives | To train survey operations personnel in |
| | accordance with Phase 2 of IHO's Capacity |
| | Building procedures |
| Outputs/Products | To train a group of professionals in the basics of |

| | hydrography to be capable of understanding basic hydrographic services |
|-----------------------------------|--|
| Other deliverables | Improve the supply of survey and related hydrographic information to regional charting authorities |
| Achievements and awaited benefits | Improved understanding of survey requirements and the operation of basic equipment |

| Schedule of activities | 10 day course |
|------------------------|---------------|

RESOURCES

| Contribution by countries involved | Training facilities to be identified. UKHO will provide assistance in organizing and managing the training if required. | | | | | | | |
|------------------------------------|---|----------|-----|-----------|----|---------|----------|--|
| Contribution | Hopefully an IHO Member state will provide the trainers | | | | | | | |
| by other | | | | | | | | |
| parties | | | | | | | | |
| Contribution | Yes | | | | | | | |
| expected from | | | | | | | | |
| CBCFund | | | | | | | | |
| Total Cost | €32,865 | | | | | | | |
| (euros) | | | | | | | | |
| Breakdown of | | | | | | | | |
| costs | | Trainees | x 8 | (1 local) | | | | |
| | Flights | | 7 | persons x | | € 1,072 | € 7,505 | |
| | Hotel, all meals | | 7 | persons x | 13 | nights | | |
| | | = | 91 | nights x | | € 184 | € 16,723 | |
| | Transport | | 7 | persons x | | € 51 | € 357 | |
| | | Trainers | x 2 | | | | | |
| | Flights | | 2 | x | | € 1,072 | € 2,144 | |
| | Hotel, all meals | | 2 | persons x | 13 | nights | | |
| | | = | 26 | nights x | | € 184 | € 4,778 | |
| | Transport | | 2 | persons x | | € 51 | € 83 | |
| | Venue materials costs | & hire | | | | | | |
| | For the week | | | | | | € 1,274 | |
| | | | | | | Total | € 32,865 | |
| | Please note that the figures above have been rounded up/down to the nearest Euro and were taken from a more detailed spreadsheet. | | | | | | | |

| From CBC | €32,865 |
|-------------|---------|
| Fund (item | |
| and amount) | |

PROJECT SUMMARY

| Sponsor RHC | Year of Execution | Country/ Countries | Priority/ Status | Project Name | Project Objective | Benefits | Assistance required | Cost | Allocation and Priority (to be | Contact Person |
|----------------|----------------------|-----------------------|---------------------|-----------------|----------------------|---------------------|---------------------|---------|-----------------------------------|-------------------|
| | | involved | | | • | | - | | filled by CBC) | |
| SAIHC | 2014 | SAIHC | Priority 1 | Introducti | To train | To train a group | Fund Travel | €32,865 | | Jeff Bryant |
| | | Member | | on to | survey | of professionals in | & | | | (SAIHC CB |
| | | States | | Hydrograp | operations | the basics of | subsistence | | | Coordinator) |
| | | | | hic | personnel | hydrography to be | for up to 9 | | | |
| | | | | Surveying | in | capable of | students, | | | |
| | | | | | accordance | understanding | together | | | |
| | | | | | with Phase | basic | with x2 | | | |
| | | | | | 2 of IHO's | hydrographic | trainers | | | |
| | | | | | Capacity | services | | | | |
| | | | | | Building | | | | | |
| | | | | | procedures | | | | | |

Man of

Chairman Southern Africa & Islands Hydrographic Commission (SAIHC)

Name and Signature of the RHC Chairman