SAFETY OF NAVIGATION CONFERENCE

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Session 2-1: IALA WWA Capacity Building and Training Activities in Africa

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IALA WWA activities in Africa

The IALA World-Wide Academy delivers both training and capacity building activity in five key maritime regions, Africa being one of these. IALA delivers this activity in partnership with members of the Joint Capacity Building Group (principally the IMO and IHO) as part of the United Nations "Delivering As One" capacity building strategy.

IALA signed (December 2015) a Memorandum of Understanding with the Maritime Organisation for West and Centre Africa (MOWCA) covering training and capacity building and is working closely with several African and European States to deliver those actions in the most efficient and effective manner for the benefit of both inter-island and international navigational safety in African Region (France, Senegal, Côte d'Ivoire, Portugal, South Africa, Morocco, …).

Coastal States obligations

African States, including MOWCA and SAGNEP members, should be well aware that all coastal States are obliged to provide safety of navigation services in accordance with SOLAS Chapter V.

The principal SOLAS V regulations of relevance to IALA are Regulations 4 (Navigation Warnings); 12 (Vessel Traffic Services – VTS) and 13 (Establishment and Operation of AtoN services).

Regulations 12 and 13 are based on a consideration of the volume of traffic and degree of risk in each State or region.

IALA WWA aims

The IALA World-Wide Academy (IALA WWA) was established in 2012 to assist both developing nations and the least developed countries (IALA Target States) to recognise their international obligations related to SOLAS Regulations 4; 12 and 13 before assisting them to implement the necessary measures to provide Maritime Safety Information (MSI), VTS and AtoN services that met international standards.

For VTS and AtoN services these standards should be based on the Recommendations and Guidelines published by IALA.

IALA WWA CB Strategy

To harmonise international capacity building, IALA adopted the four-stage capacity building process developed by the International Hydrographic Organisation (IHO).

That is to make the national Competent Authorities (CA) in its Target States aware of their obligations ("Stage 1") before encouraging them to invite the IALA WWA to conduct a technical needs assessment mission ("Stage 2") to each State.

 Such a mission, normally conducted in one working week would produce a confidential report comprising a number of recommendations which the CA would then analyse ("Stage 3") before deciding what action it would take to implement the selected recommendations ("Stage 4).

Definitions

Capacity Building is: the development and strengthening of human and institutional resources. AtoN authorities in developing countries are obliged to deliver AtoN services, but sometime lack of capacity to do so. The Academy actively facilitates that process through technical missions and training events.

Competency is: a demonstrated availability to apply knowledge and skills.

Definitions

Accreditation is: a process whereby the Competent Authority or an authority designated and approved by the CA, grants recognition to a training organisation for demonstrated ability to meet predetermined criteria for established standards. Once accreditation has been granted, the training organisation is designated as an Accredited Training Organisation (ATO).

Approval is: the result of completing successfully the quality assurance process under which a training course is assessed to ensure that the IALA standards are set. The Accreditation process is for the training organisation and Approved is for each training course conducted by the training organisation.

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IALA WWA Capacity to implement the Strategy

"Stage 2" and "Stage 3 and 4" follow-up missions are conducted by the IALA WWA at no cost to States on its target list.

This is because the Academy is independently funded thanks to very generous contributions from its 2 main sponsors, the International Foundation of Aids to Navigation (IFAN) and the Republic of Korea, together with equally generous in-kind support from IALA Member States (France, …) and organisations.

IALA WWA 2013 and 2014 CB Activities in Africa

The target list in 2012 comprised 76 countries in 7 regions.

"Stage 1" awareness missions in the first 3 years of IALA WWA's operations made 930 individuals from 50 target States aware of their obligations relating to the provision of MSI, VTS and AtoN services.

The first "Stage 2" mission was conducted in 2013; followed by 2, including Comoros in 2014 (conducted by the Dean and the IALA Senior Adviser).

A review of IALA WWA activity was conducted at the end of 2014. This resulted in a reduction of IALA target States from 76 to 69 grouped in 5 regions.

IALA WWA 2015 CB Activities in Africa

Four more "Stage 2" missions, including Cameroun (conducted by the Dean and the IALA Senior Adviser) and Côte d'Ivoire (conducted by the Dean and the Programme Manager of the IALA WWA) were conducted in 2015 and one nation was removed from the list.

Three "Stage 2" missions were conducted in Africa since the beginning of the year 2016 (Liberia, Benin and Cape Verde) by the IALA Senior Adviser, with the support of a Portuguese VTS expert for Cape Verde , and a fourth will be conducted by the IALA Senior Adviser next week in Namibia.

Four more target States are expected to be removed by the end of 2016.

Target States 2015 - 2016

Regions		2015	2016
Africa Anglophone		12	9
Africa Francophone	1	8	7
Africa Lusophone		-	4
Near East	2	13	13
Far East	3	5	4
Pacific	4	12	11
Meso America and Caribbean	5	19	17
Total States		**69**	**65**

Region 2 – Near East

Region 3 Far East

Region 5
Meso America and Caribbean

Region 4   Pacific

Region 1 - Africa

IALA World-Wide Academy Target Regions 2015
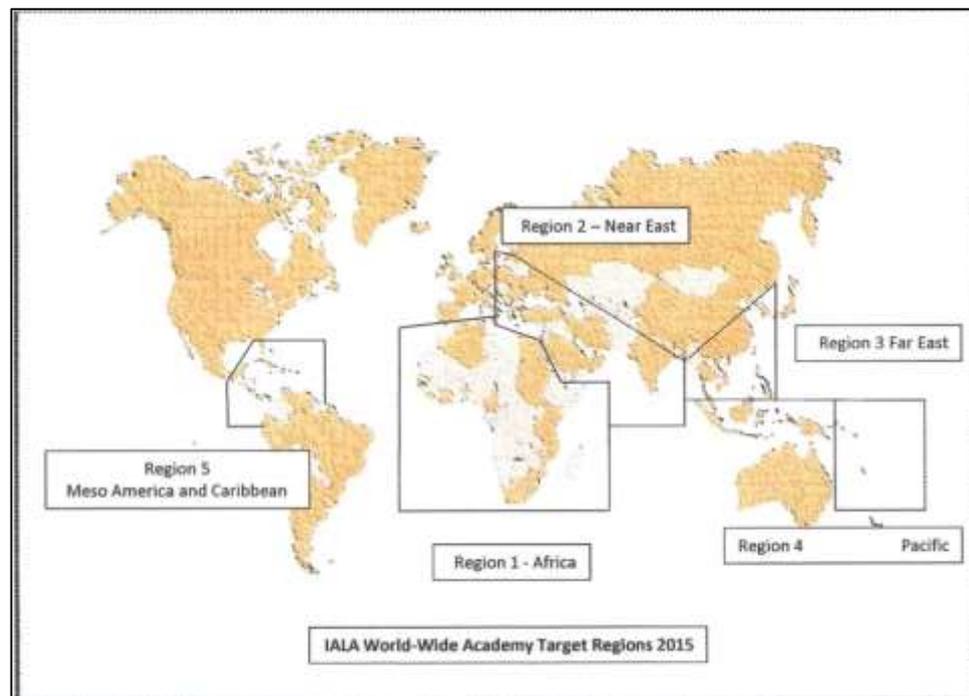
CB and Training

Capacity building and training are inextricably combined.

"The successful delivery of AtoN (and VTS) services depends upon competent and experienced personnel to implement and maintain such aids" (IALA Recommendation E-141).

It is considered essential that both AtoN and VTS Authorities are provided with sufficient staff, appropriately qualified, suitably trained and capable of performing the tasks required, taking into consideration the type of AtoN and/or VTS and the level of services to be provided. IALA defines international standards for personnel in charge of both VTS and AtoN implementation and maintenance. (VTS and AtoN training standards set out in IALA Recommendation V-103 and E-141 respectively).

Training

Training in AtoN service provision, including VTS, is vital to "the safe and efficient movement of shipping".

Both ISO 9001.6.2 and IALA place considerable emphasis on competency (see definition at Annex C).

Certification of competency to international standards in both AtoN and VTS is achieved via IALA model courses

There are four categories of VTS training and two levels for AtoN training ("Level 1" applies to AtoN managers and "Level 2" to AtoN technicians). See IALA model courses V-103/1 – V-103/4 for VTS syllabi and E-141/1; IALA WWA.L2.0 for AtoN syllabi.

Distance Learning

First delivery of distance learning for L1 AtoN Manager Training has been organised, and under the train the trainer principle, arrangements for participation to a pilot scheme have been made with UK.

Training delivering

Apart from an annual risk management course, IALA does not generally deliver training itself.

Rather it encourages and facilitates its National Member to accredit either regional or national training organisations to deliver approved VTS and AtoN training based on the suite of model courses published on the IALA website from which the relevant syllabi can be downloaded free of charge.

The list of current Accredited Training Organisations in the African region is on the IALA website www.ial-aism.org

Training Organisations Accreditation

IALA does not accredit training organisations or courses conducted by other authorities or academies. Only Competent Authorities of IALA National Members can accredit Training Organisations to deliver approved IALA Model Courses. The IALA WWA is available to facilitate the accreditation process if requested to do so by a Competent Authority.

See IALA Guideline 1014 and 1100 for the training and certification processes for VTS and AtoN respectively

Generalities – Hydrographic Conferences

Regular participation by IALA as an observer at the East Atlantic Hydrographic Commission (EAtHC) and the South Africa and Islands Hydrographic Commission (SAIHIC) meetings provided an ideal opportunity for follow-up "awareness" briefings with African States representatieves.

The provision of both VTS and AtoN services should be based on a formal analysis of maritime traffic patterns and risk. The same applies to the provision of hydrographic services.

One meetings between the IALA WWA and SHOM (the French Navarea II Coordinator) explored how their technical assessments could be taken further to maximise effectiveness.

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CB Awareness Seminars ("Stage 1")

An Awareness seminar on aids to navigation, organised by IALA WWA and the Portuguese Lighthouse Authority, dedicated to Portuguese speaking countries (Angola, Cape Verde, Guinea Bissau, Mozambique, Sao Tome & Principe, Timor Leste and Brazil) has been delivered 2-3 May 2016 in Lisbon, Portugal, on the same issues so that capacity building activity in African Portuguese speaking countries could be improved.

Morocco, with the support of IALA, has been organising (Tanger, Morocco, 25-27 May 2016) a three-day Seminar 1st "Journées Techniques Portuaires et Maritimes", allowing to deliver also awareness information.

CB - Stage 2 Capacity Building Needs Assessment Missions

2014:

Comoros, conducted by the Dean and the IALA Senior Adviser

2015:

Cameroun, conducted by the Dean and the IALA Senior Adviser
Côte d'Ivoire, conducted by the Dean and the IALA WWA Programme Manager

2016:

Liberia, conducted by the Dean
Benin, conducted by the IALA senior Adviser
Cape Verde, conducted by the IALA Senior Adviser and a Portuguese VTS expert
Namibia, conducted by the IALA Senior Adviser next week.

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CB - Stages 3 and 4

The IALA Senior Adviser is working with Comoros and Cameroun to prepare "Stage 3&4" follow-up missions.

Appropriate actions to implement the recommendations made in the IALA "Stage 2" mission report have to be taken.

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CB - The Way Forward

This will leave 16 potential "Stage 2" missions to be completed in the African region before the end of IALA's Strategic Goal target of 2026.

It is hoped that the MOWCA and SAGNEP membership will work with IALA to encourage those States to invite the IALA WWA to conduct such missions which, it will be remembered, are free-of-charge to the Target States.

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Accredited Training Organisations - Status

As part of its training Strategy, IALA encourages African States to accredit training organisations to deliver approved training programmes based on IALA model courses.

➢ There are in France two Accredited Training Organisations (ATOs) delivering VTS courses and one delivering AtoN courses.

➢ The IALA WWA Dean is working with the support of France (ENSM Marseille and GPM Marseille) to allow the Académie Régionale des Sciences et Techniques de la Mer (ARSTM) of Abidjan, a body part of MOWCA, to deliver operator VTS training. The aim is to organize VTS training in Africa instead of sending people to Europe.

➢ The IALA WWA Vice-Dean and the IALA Senior Adviser are supporting South Africa to accredit organisations delivering Level 1 and Level 2 AtoN training courses by 2017.

➢ Morocco has been making a proposal to conclude tripartite agreements with IALA WWA and African countries to deliver training courses

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AtoN's Accredited Training Organisations – Way Forward

When operational, the Africa region will benefit at least of two (or three if Accra university join the project) ATOs offering "Level 1" AtoN courses for potential AtoN managers. This should be a major achievement of considerable benefit to all coastal States in the African region.

Spain, working with IALA, facilitates the delivery of "Level 1" AtoN manager training in Spanish in 2015. It is understood that such a course may be delivered in 2016, possible in Ecuador. The IALA website (www.iala-aism.org) will advertise it once finalised.

France will be delivering each year a « Level 1 » course, and at least four seats should be available, without scholarship fees, for French speaking African aids to Nabvigation Managers.

2014 African AtoN's Certificates

One representative of Comoros has been attending successfully the first "Level 1" AtoN manager course organised in 2014 by IALA WWA in IALA Headquarters.

According to the MOU signed by IALA and France National Competent Authority (Direction des Affaires Maritimes) three weeks "Level 1" AtoN manager courses were held in France in September 2014, allowing 4 (Cameroon, Côte d'Ivoire, Gabon, Madagascar) participants from African French speaking countries to attend. All 4 participants passed the tests of competency and were awarded a certificate.

2015 African AtoN's Certificates

According to the up-dated MOU between IALA and France National Competent Authority (Direction des Affaires Maritimes), a second three weeks "Level 1" AtoN manager courses was held in France in September 2015, allowing 3 participants from African French speaking countries to attend.

All 3 participants (Benin, Côte d'Ivoire, Guinea), passed the tests of competency and were awarded a certificate.

As the 2015 course was interrupted during one week, the IALA WWA organised, free of charge with IALA WWA, French Administrations and French IALA Industrial members support, a week of visits in France for the African participants to the course.

2016 African AtoN's Certificates

According to the up-dated MOU between IALA and France National Competent Authority (Direction des Affaires Maritimes), a third three weeks "Level 1" AtoN manager courses will be held in France in from 26 September 2016 to 21 0ctober 2016, allowing 6 participants from African French speaking countries (Djibouti, Gabon, Morocco, Guinea Bissau, Senegal, Togo) to attend, with no scholarship fee.

Thereafter potential AtoN managers of Authorities and AtoN service providers who wish to gain formal certification will need to participate on one of the "Level 1" courses.

Information will be available on the IALA website (www.iala-aism.org).
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2016 final IALA HQ "Level 1" Manager Course

Several of the larger African States have numbers of fully qualified VTS personnel but only a few AtoN managers are in possession of international certificates of competence bearing the IALA logo (one from Benin, Cameroun, Comoros, Gabon, Guinea, Madagascar, South Africa, two from Côte d'Ivoire and Kenya).

The "Grandfather Clause" whereby Competent Authorities of IALA Member States could award such certificates to experienced personnel expired in late 2014.

As the IALA WWA has been delivering its final "Level 1" AtoN manager course in mid-2016, 8 places have been reserved for participants from countries not on the IALA target list. But there has been no participant from Africa.

"Level 2" Technician Courses

Even if there has been no accreditation for Level 2 training courses, France has offer, without scholarship fee, to French speaking African technicians to attend 3 Level 2 courses, in November 2016:

➢ Installation of signs and marks introduction
➢ AIS introduction
➢ French AtoN control system

7 participants have been attending the two first courses, and 4 the third one.

A programme is under definition for 2016

Future Possible Training Hubs

Strategy is to have at least one Accredited Training Organization in each Target Region

Some ATOs to develop as regional training hubs

IALA WWA to facilitate where requested through MOUs

Region	VTS	AtoN
Africa (A) Africa (F)	Abidjan	S. Africa
Near East	Abu Dhabi	Oman
Far East	Malaysia Singapore Japan	Malaysia China
SW Pacific	Australia	Fiji (SPC)

2016 IALA VTS Symposium

IALA is moving towards its stated aim of becoming an Inter-Governmental Organisation. It has clear goals to achieve before its 21st Conference in 2018.

These include making the remaining 20 Target States in the African region aware of their international obligations under SOLAS Chapter V Regulations 12 and 13; conducting technical needs assessment mission to those States and facilitating a number of both VTS and AtoN training hubs in the African region.

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States Region 1A

Region 1 Africa	Target States - Total 20	High Level Meeting	Stage 1 – Awareness Seminar	Stage 2 – Needs Assessment Mission	Number of AtoN managers holding IALA certificates	Training facilitation
Region 1A	Angola					
Anglophone	Cape Verde		2016	2016		
Africa	Eritrea					
(AA)	The Gambia					
	Ghana		2014			
	Liberia			2016	1	
	Libya					
	Namibia			2016		
	Sao Tome & Principe					
	Seychelles					
	Somalia					
	Sudan					

States Region 1B

Region 1 Africa	Target States - Total 20	High Level Meeting	Stage 1 – Awareness Seminar	Stage 2 – Needs Assessment Mission	Number of AtoN managers holding IALA certificates	Training facilitation
Region 1B	Congo (Dem. Republic of)					
Afrique	Congo (Republic of)					
francophone	Equatorial Guinea		2016		1	
(AF)	Guinea-Bissau		2016		1	
	Madagascar				1	
	Mauritania		2013			
	Morocco				1	
	Togo				1	

Other States

Region 1 Africa	Target States - Total 20	High Level Meeting	Stage 1 – Awareness Seminar	Stage 2 – Needs Assessment Mission	Number of AtoN managers holding IALA certificates	Training facilitation
Other States	Algeria					
	Benin			2016	1	
	Cameroon			2013	1	
	Comoros			2014	1	
	Côte d'Ivoire	2015		2015	2	2016
	Egypt					
	Djibouti				1	
	Gabon				1, 1	
	Guinea					
	Kenya					
	Mauritius			2013	1	
	Mozambique		2016			
	Nigeria					
	Senegal		2015		1	
	South Africa		2012		1	2016
	Tanzania					
	Tunisia					

Conclusion

IALA's capacity building and training activity is delivered by the IALA World-Wide Academy; an integral, but mainly independently funded pillar of IALA. "Stage 1 to 4" missions are delivered free of charge to Target States.

This could not have been achieved without the superb and generous support of its principal sponsors and in-kind contributions from its Member States and international organisations such as the IMO.

Close liaison with the IMO and IHO under the United Nations banner of "Delivering As One" and with organisations such as MOWCA and SAGNEP are facilitating the delivery of capacity building and training.

The IALA WWA came of age in 2015 and is now embarking on an ambitious programme to improve the safety of navigation in the African region. The support of established MOWCA and SAGNEP members to assist this programme is seen as key to its success.

Recommendations

➢ **It is recommended to SAIHC participants:**

➢ **Note this paper**

➢ **Encourage African States to work closer with MOWCA and SAGNEP**

➢ **Encourage IALA Target States in African Region to request "Stage 2" technical needs assessment missions**

➢ **Encourage African States to join IALA, as National or Associated Members**

Thank you.

Questions?

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