

1st Draft Report of the 50th session of the IALA COUNCIL

IALA Headquarters, Saint-Germain-en-Laye, France

7-9 December 2010

Councillors present:

Mr. David Gordon, South Africa	President
Rear Admiral Sir Jeremy de Halpert, UK	Treasurer
Mr. Graham Peachey, Australia	
Captain Walter dos Santos Duarte Júnior, Brazil	
Mr. Daniel Breton, Canada	
Cdr. Roberto Bore, Chile	
Captain XU, Binsheng, China	
Mr. Francis Zachariae, Denmark	
Mr. Keijo Kostiaainen, Finland	
Mr. Jacques Manchard, France	
Mr. Christian Forst, Germany	
Mr. Manmohan Singh Suman, India	
Dr. Stuart Ruttle, Ireland	
VAdm. Satoru Osanai, Japan	
Mr. Seung Jae LEE, Korea	
Captain Ahmad Bin Othman, Malaysia	
Mrs. Kirsti Slotsvik, Norway	
Mr. Kees Polderman, Netherlands	
Captain Alexander Shemetov, Russia	
Mr. Manuel Gomez, Spain	
Mr. Rolf Zetterberg, Sweden	
Captain Tayfun Yalcin, Turkey	
Mr. Dana Goward, USA	

Also in attendance:

Mr. Gary Prosser, IALA Secretary General
Mrs. Marie-Hélène Grillet, IALA Administration Manager
Dr. Mike Hadley, IALA Technical Co-ordination Manager
Adm. Jean-Charles Leclair, IALA accredited representative to IMO
Mr. Allen Mitchener, IMC Observer
Lt. Cdr. James Crawford (assistant to Cdr. Roberto Bore)
Mr. YANG, Wenzhi (assistant to Captain XU, Binsheng)
Captain Alberto Piovesana Júnior (Assistant to Captain Walter dos Santos Duarte Júnior)
Mr. Hiroyuki Antoku (Assistant to Mr. Satoru Osanai)
Prof. GUG, Seung-Gi (assistant to Mr Seung-Jae LEE)
Mr. LEE, Jong Cheol (assistant to Mr Seung-Jae LEE)
Captain Vadim Sobolev (assistant to Captain Alexander Shemetov)

Mr. Sergey Alekseev, (assistant to Captain Alexander Shemetov)
 Mr. Juan-Francisco Rebollo (assistant to Mr Manuel Gomez)

1. President's opening remarks

The President opened the meeting at 14h05 on 7th December 2010, welcoming all Councillors to the meeting. Two new Councillors were introduced: Cdr. Roberto Bore of Chile and Captain Alexander Shemetov of Russia.

2. Apologies for absence

Apologies for absence were received from Mr. Svend Eskildsen of Denmark who was represented by Mr Francis Zachariae, and Mr. Ove Eriksson from Sweden, represented by Mr. Rolf Zetterberg. Mr. Mamadou Thioub of Senegal was absent.

3. Approval of the Agenda

The Agenda was approved with the **addition of an item 8.9.2 under 8.9 – World Wide Academy** to provide for the creation of a correspondence group.

4. Approval of the report of the 49th session

Two amendments were requested:

1. Page 7, 5th paragraph to read: "The President said that there was a need to meet with the three parties (IMPA, IMO and **IALA**)..."
2. Page 8, bottom line: delete the last part of the sentence "~~as SafeSeaNet is a similar system~~".

The report was approved with both amendments.

5. National matters

The Secretary General explained that this Agenda item, previously discussed at the end of the meetings, had been moved forward to give more time to the Councillors to speak about the developments in their countries. He then invited them all to inform the Council on national matters of common interest.

The developments, trends and concerns reported were significantly different from the ones mentioned at the last Council session.

Work on **VTs** with its different aspects was the most mentioned item. Not only new VTs centres' implementation and technical improvements are at the forefront but their networking

and extension beyond the countries' borders are now considered as a valuable tool for ensuring navigation safety.

Reorganisation, when mentioned, is no longer considered as a threat to maintaining a high level of service to the mariner. In some cases it gives better framework and means to provide appropriate Aids to Navigation. This however leads to internal reorganisation to conform to the cost reduction requirements.

The various applications of **AIS** are the subject of many studies: its use for ship tracking, as an aid to navigation or as a monitoring tool was frequently mentioned, as were the symbols to be used to mark AIS.

After the closure of the Loran-C service by the US in October 2010 research work is being carried out on a backup (or backups) to the satellite systems (GPS and GLONASS). In Europe it is mainly aimed at implementing eLoran and the countries work in a spirit of regional cooperation.

Virtual Aids to Navigation come on the scene. Tests are carried out in some places but the subject is too new to enable experiences to be reported. **e-Navigation** is steadily developing. **Environment issues** are important for all countries represented at the Council and are regarded as a hot topic by those who have experienced oil spills or other pollutions during the year.

Apart from the increased use of renewable energy on AtoN, the transfer of lighthouses to other bodies and the way the administrations are recovering from the finance crisis it is worth mentioning three important aspects affecting the aids to navigation world:

1. Wind farms are expanding all over the world. They have a significant impact on navigation and shipping lanes have to be reviewed;
2. International networking is of prime importance at the time when the technology make it possible and desirable;
3. Navigation tools are becoming high technology but it is of vital importance that the mariner still be aware of the navigation situation and does not rely only on what can be seen on screens. Traditional Aids to Navigation are still, and will always be, as important as electronics.

6. Financial matters

Jeremy de Halpert, IALA Treasurer, said the Finance Advisory Committee (FAC) had met in the morning of 7th December to review the cash flow situation as at 31st October 2010, work the budget for 2011, study the financial forecast for 2012-2015 and be updated on bad debts.

6.1 Cash flow situation as at 31st October 2010

The Treasurer reminded the Councillors that the cash flow situation is money in and out and does not reflect the results of accounts, which will be presented at the June Council meeting. The cash flow graph showed that in 2010 the expense line was above the income line, resulting in a loss in cash flow. This loss was due to exceptional circumstances:

1. IALA had two Secretary Generals for 3 months, resulting in higher staff costs and mission expenses;
2. The outgoing Secretary General was entitled, by contract, to a retirement premium;
3. The IALA Conference in Cape Town was more expensive than expected.

He indicated however that the total IALA income should be higher than 1.5M€ at the end of the year 2010.

The cash flow situation was noted.

6.2 Budget for 2011

The Treasurer explained that due to expenses higher than usual the reserve had been used and a strategy was needed to rebuild it in 5 years. The FAC will work out a proposal at its next meeting. He made clear that the “provision for strategy implementation” mentioned in the draft budget was not related to rebuilding the reserve but money set aside to face any expense that might be seen necessary to enforce the IALA Strategy as developed by the Council Strategy Group led by Christian Forst, as agreed by the Treasurer.

The budget for 2011 was approved.

6.3 Financial forecast 2012-2015

The financial forecast was noted.

6.4 Update on bad debts

The FAC suggested postponing any decision on members in arrears until the next session of the IALA Council.

6.5 IALA relocation budget

No decision was needed at the present time on when the bank loan, which was taken for 15 years, should be paid back. The Council will be in a better position to decide after professional advice is sought (June 2011). In any case no early back payment can be made before December 2012.

The finance papers presented at the meeting are at Annex 1.

7. IALA Strategy

7.1 & 7.2 Strategy Group meeting reports

Christian Forst, as Chair of the Strategy Group, presented briefly the 3 meetings held since the last Council session. The reports of the meetings held in Kiel and in IALA Headquarters

in October 2010 had been submitted as input papers. The report on the meeting held on 6th December is attached as Annex 2.

Regarding the Action Item related to item 8 about IT issues (see Annex 2) Stuart Ruttle mentioned that for VTS IT issues might mean process control. He insisted on being very clear about the questions to be asked to Committee Chairs.

7.3 IALA Strategy Document

The document was still under development and not discussed at the meeting.

8. IALA Committees and Working Groups

8.1 Policy Advisory Panel (PAP)

8.1.1 – Report of PAP 20

Mike Hadley highlighted the main points of the report, one of which being that the IALA representation at ITU was not strong enough.

The last part of Action Item under paragraph 5.2 (Page 6) was questioned by Kees Polderman. He suggested opening up the VTS restriction to territorial waters without mentioning Ship Reporting Systems. Dana Goward stated that the US were against extending VTS beyond territorial waters.

The Council noted the report but decided to refer it back to VTS Committee for further consideration.

8.1.2 Revised rules of procedure for IALA Committees

The new idea introduced in the revised Rules of Procedure was the request for the Council to approve the Terms of Reference for the Committee Working Groups as it is done for the Committees themselves.

The revised rules of procedures for IALA Committees were approved with some editorial amendments identified at the meeting.

In addition it was agreed that the next revisions should include correspondence groups to reflect the discussions held on ways to solve the problems raised by the number of Working Group intersessional meetings (see Annex 2 Paragraph 3).

8.1.3 Documentation procedure and quality control

Christian Forst stressed the importance of IALA documents keeping credibility, this being particularly true for those available on the Web. Regarding the Procedures he identified a discrepancy on Page 3, Paragraph 5, between the 6th and 7th bullets: changes can't be stated as agreed "unanimously" if, at the same time "specific minority objections" are noted.

Jeremy de Halpert suggested leaving it open to the Committees (agreed unanimously or by a majority) according to the circumstances.

The revised rules of procedures for IALA Committees were agreed with the word “unanimously” taken out of Paragraph 5, 6th bullet.

8.1.4 Information paper on VTM

The background to the paper was an obvious misunderstanding of what VTM is actually, and this could be due to its studies being carried out within the VTS Committee. The original resistance to the concept is now decreasing as more and more people understand it. VTM does not mean shipping control but perhaps a new name needs to be found as the current one gives a wrong impression. After the discussions held at the PAP meeting and the confusion identified on this occasion, a new definition was worked out. The aim was to make proposals before VTS 32, for the Committee to review the definition – and maybe work on a new name – on time to make submissions to the next Council meeting in June 2011. The work on VTM definition and name is not restricted to the VTS Committee but involve all four Committee Chairs.

There was then a long discussion reflecting diverging opinions within the Councillors:

Dana Goward considered that VTM should not be a matter of concern to IALA as it seems to be outside its core business and just gives more (perhaps unnecessary) work to the Committees. In case the Council really wants to obtain a result with the VTM issue, it is up to the Council to identify the problems and the solutions and then give instructions to the Committees on what is expected from them.

Jeremy de Halpert and Kees Polderman explained that VTM, the aim of which was to ease the mariner’s life, was part of the steps needed to go from VTS to e-Navigation. It did not add to the Committee workload as it had been on the IALA work programme for the last four years as a work item approved by the Council, confirmed in the Conference Conclusions and mentioned as one of the IALA strategic items. The present aim was more to clarify the concept than reworking a definition, as nobody is against the idea that IALA should continue to work on that concept.

Christian Forst felt that the situation was confusing: there were different concepts according to the people and this might be due to the fact that the concept itself is complex. He recommended going back to the definition, making clear what it is and what it expected from it.

Stuart Ruttle thought that e-Navigation was the technical solution and VTM how to use the technical solution. As such the Council must be sure of what VTM means. He agreed that it is the Council’s role to give directives to the Committees but this item is of high strategic significance. If the Council is not convinced about the work to be done it should wait for the outcome of the present task given to the Committee Chairs as they are the only ones to be able to develop a solution that could help the Council to understand what is expected. He suggested postponing the discussions until the Council gets the outcome.

Kirsti Slotsvik was in favour of going back to the original Committee work, from which the answer should emerge.

David Gordon added that, in South Africa VTM was seen as controlling everything, including e-Navigation, pilotage, VTS, etc., which is a clear demonstration of the confusion. He too was in favour of postponing the discussions.

The Secretary General reported that there are discussions everywhere and voices against VTM at IMO and IMPA. The concept was far to be clear but it was the early days for IALA to work on it. There was a good hope that the first results achieved by the correspondence group made of the four Committee Chairs and the VTS Working Groups Chairs would help to clarify the subject.

Jeremy de Halpert added that a work plan was needed in addition to the name and definition.

At the end of the discussions the Council noted the paper and decided that the issue had to be resolved by the 51st session of the IALA Council, based on the outcome of the Correspondence Group, as the subject can be dominating at VTS 2012.

8.1.5 Workshop proposal - VTM

The proposed dates were generally found too close to the 2012 VTS Symposium.

The proposal for a workshop on VTM generated a debate reproducing the opinions stated during the discussion on the VTM information paper, and mainly that IALA should not organize a workshop on a subject that is not clearly defined.

Approval of the VTM Workshop was postponed until Council session 51 when the correspondence group comes with proposals on name and definition. The Council should, at that time consider new dates and if it would be worth having it in conjunction with the VTS Symposium with a potential internal IALA workshop being held earlier.

8.1.6 Workshops and Seminars 2010-2014 – Provisional meeting dates 2010-2014

The list of Workshops and Seminars suggested by the Committees was showing a number of events over the period that was twice the number of the last period, although it had been reduced by the PAP.

Regarding the lack of offers to host the Secretary General stated that IALA is always pleased to receive offers but this is not a requirement. Events can be organised at the IALA Headquarters, in the limit of the space available.

Dana Goward remarked that the huge number of events planned creates a heavy schedule for those who really want to participate in the IALA work regularly.

The list was given for information only, based on the suggestions made to the PAP. There will be more information coming over the period when the Committees have made their final proposals with objectives and dates.

8.2 e-NAV Matters

8.2.1 Report of e-NAV 8

The meeting had a record attendance of 98.

The Secretary General said that e-NAV is still a growing subject. The concept is also growing at IMO in the Correspondence Group led by Norway. There is a lot of concerns on the lack of understanding in the world, and a debate on UMDM. Work is carried out with IHO on what and how the data model will be built in the years ahead. Norway offered to host a meeting in Monaco. S100 data model is a key to the development of e-Navigation and the model used for AIS exchange should be on this model. IMO is unable to do that kind of work and count on IALA and IHO.

The report was noted.

8.2.2 Draft IALA Guideline – AIS Overview

Clarifications and amendments were requested on the document, i.e.:

- Does it supersede the previous 2 papers?
- In paragraph 1.3.1: EPFS to be included in the list of acronyms;
- In paragraph 1.3.1: the comparison between AIS and radar should be more neutral (do not state that AIS supplements radar);
- In paragraph 2.1.1, 2nd paragraph: “if GPS is lost” to be amended to be more meaningful;
- In paragraph 2.2 last sentence: “if the GNSS timing...” To be amended to make clear that the secondary timing mechanism is not an external source but a mechanism to decide which unit is taking the lead in timing;
- Figure 2 might not be necessary;
- There is no reference to Figure 3 in the document;
- The reference to AIS Class B should be moved forward to appear under Table 3;
- In paragraph 5 – Use of AIS by IALA members, 2nd paragraph, it must be made clear that the use of AIS is not a requirement but is recommended by IMO.

The Council was grateful to the Committee for a document that clarifies many aspects. However it requested the Committee to have a closer look at technical details, based on the comments made at the Council meeting.

8.2.3 Submission to IMO MSC89 on protection of AIS VDL

The liaison note had already been approved by the Council at its 48th session but there was then no Agenda item under which the note could be submitted. Now that IALA got the support of some Member States, particularly The Netherlands, the paper was redrafted and scrutinized by The Netherlands. It will be formally forwarded by that country.

The liaison note was approved.

8.2.4 Liaison note to IMO Correspondence Group on e-Navigation – IALA publications

The liaison note was prepared at the request of the IMO Correspondence Group and will need to be updated according the Council's decisions made at the current session.

The way the paper should be submitted was discussed under Agenda item 8.2.13.

8.2.6 Liaison note to ITU-R WRC

There was a need to refine the paper, and for the Council to see the annexes, which were not attached to the Council papers.

Amendments should concern:

- In section 3: to define CPM;
- In section 4: are the frequencies specified additional to those already mentioned above?
- To make clear that protection is requested for VTS frequencies only;

The note was reworked during the meeting and the new version approved in order to forward it to the ITU within the deadline. (The revised note is available on the Council Website as an output document).

8.2.7 Liaison note to project EfficenSea – AIS coverage

The liaison note is the Committee answer to a request to give AIS coverage definitions.

The liaison note was approved.

8.2.8 Liaison note to IEC TC80, WG5

Dana Goward suggested clarifying the differentiation between class A and class B.

The liaison note was approved.

8.2.9 Briefing note on position fixing redundancy

Mike Hadley explained that the intention was not to approve the updated Recommendation R-129 in advance but to inform the Council that the corresponding submission to IMO NAV57 will be circulated by e-mail for approval on time to be submitted to the IMO Sub-Committee.

The updated Recommendation will be submitted to the Council according to the normal procedure.

This was agreed by the Council.

8.2.10 Revised e-Navigation FAQs

There was a consensus that the level of traditional Aids to Navigation should be defined for when e-Navigation is implemented, and this should take the risk issue into account.

The revised FAQs were approved. The e-NAV Committee is requested to consider the Council's comments above.

8.2.13 Procedure to input IMO Correspondence Group on e-Navigation

The Secretary General explained that this was an action item for the Council in the PAP 20 report (page 10, paragraph 8: “*The Secretary-General is requested to seek the IALA Council's approval for the e-NAV Committee to have direct contact with the IMO CG. If approved, the Secretary-General is requested to seek the IALA Council's advice about whether any e-NAV Committee documents/ information transferred to the IMO CG should carry a disclaimer.*”). The aim was to find a quick way to provide inputs the IMO CG. The disclaimer should state that the submissions had not got final approval by the IALA Council.

The proposal was supported by Kees Polderman who stated however that the Council should have a chance to see the submissions at some stage. An acceptable procedure had to be found.

Jean-Charles Leclair said that the Correspondence Group was set up to assist IMO in its preparations and reports to STW, COMSAR and NAV. It does not mention individual positions and does not give the IMO final position. In case of a problem arising IALA would be able to say that it does not agree with the CG and state its position clearly. He suggested that he could check the documents before they are forwarded to the CG.

Christian Forst added that any input should be sent by the Secretariat, not directly by the Committee.

It was agreed that inputs to the IMO Correspondence Group can be sent without previous approval by the Council, through the IALA Secretariat.

8.3 VTS matters

8.3.1 Report of VTS 31

The report was noted. Anybody with concerns about the draft Recommendation on the Inter-VTS Exchange Format Service (IVEF) should refer to the VTS Committee. The draft Recommendation will be submitted to the Council when all comments have been studied.

8.3.2 Communication strategy for VTM

The document had been produced at the Council's request.

It was considered as a first draft and **a refined document, when ready, should be submitted to a further Council session.**

8.4 ANM matters

8.4.1 Report of ANM 15

The report was noted.

8.4.2 Request for additional work items

The task “*Develop a Recommendation for marine spatial planning with emphasis on navigational safety*” raised a lot of comments. The Councillors were in favour of renaming the task to give it a clearer title and deciding on the deliverables at a later stage. The Committee was advised to develop a questionnaire to collect experience gained by the members in the field.

The Council approved the work item on marine activity planning with a revised title and a level of output that might be revised. The other work items were approved.

8.5 EEP matters

8.5.1 Report of EEP 15

The Committee drew the Council’s attention to its desire to keep the templates it had developed in case of a termination of the IALA product certification.

The report, including the changes proposed to some work items, was noted.

8.6 PAF matters

8.6.1 Report of PAF 9

The report was noted.

8.7 IALA-NET

8.7.1 Report of 9th Steering Committee meeting

Jean-Charles Leclair reported that the participation in the IALA-NET Steering Committee meetings is stable.

The software needed to run the system was still a problem: Denmark was using a software from GateHouse but stopped in July and there are no updates possible any longer. The search for a proper software continues.

There were legal, technical and operational questions. The Steering Committee is considering a workshop in 2011 on Global sharing of maritime data.

The IALA-NET Website is maintained by Omar-Fritz Eriksson of Denmark and other DaMSA staff members.

Jean-Charles Leclair drew the Council's attention to action items 9 - *US to continue their search for an IALA-NET software, preferably with open source*; 10 - *US to address a request to the Council for introducing AIS satellite information into IALA-NET for a test period, preferably before the next Council meeting (7 – 9 December 2010), with indications on what the promoters are waiting from IALA-NET participation and for what to do*; 11 - *US to invite Argentina and Chile to participate to IALA-NET, as partners to US in the AIS satellite test*; and 13 - *The Secretary General to propose to the Council the possibility of organising a second channel within the IALA-NET system dedicated to exchange AIS satellite data between AIS satellite providers*.

Stuart Ruttle advised that it may be worth circulating an information document on IALA-NET as there are concerns from the IALA Members about not getting any benefit from the system, only obligations.

The report was noted and the Council approved the actions listed above.

8.8 IALA Risk Management Tool

8.8.1 Report of the 23rd IWRAP Steering Group meeting

8.8.1 Report of the 24th IWRAP Steering Group meeting

Jean-Charles Leclair reported that the Group meets very often under the chairmanship of Omar-Fritz Eriksson. The most important aspect considered at the last meeting was the launch of the commercial version with improved capabilities. Five licenses had been sold had the time of the Council. It is important for GateHouse to sell its commercial version in order to continue its R&D works.

There were two questions on the commercial version: 1. if it was intended for IALA to have a database collecting information from different parts of the world, and 2. if it was possible to elaborate more on position factors, generating the following answers:

Question No. 1: there is no obligation to send the results to IALA.

Question No. 2: it would be ideal for the AtoN manager to calculate the result of adding more aids. Further developments are needed to introduce this new factor.

The reports were noted.

8.8.3 Report of the IALA Risk Management Tool Seminar – 15 to 19 November 2010

Jean-Charles Leclair said that presenting all tools at the same time made them more understandable and it was beneficial to GateHouse to learn from the participants trying to use their software. The Seminar was held in the context of the World Wide Academy and official certificates were delivered to the participants. The Seminar critique shows that it met or exceeded expectations and this was mainly due to Omar-Fritz Eriksson's outstanding contribution.

The Council noted the report and expressed its appreciation to Omar-Fritz Eriksson for his great job and the Danish administration for its efforts in the development of the tool.

8.9 IALA World Wide Academy

8.9.1 Progress report

Jean-Charles Leclair reported that he had participated in all IALA Committees to explain what the WWA was and how it would be organized. It was discussed with IMO, other academies and IALA National Members and the feedback was very positive, particularly from Japan and the Middle East. Cooperation with IHO is also under consideration.

Satoru Osanai said that the Nippon Foundation could give financial help but more details would be needed. He suggested creating a Correspondence Group, which would help to speed up the work.

8.9.2 Establishment of a correspondence group on the IALA World Wide Academy

Satoru Osanai explained the idea behind the correspondence group: after having made contact with different parties it was found difficult to seek financial support without a more concrete basis for the development of the WWA. Therefore he found useful to establish a correspondence group with ToRs and regular members. Jean-Charles Leclair would be its Secretary. The objective would be to have a clear action plan able to attract sponsors and convince the Nippon Foundation to embark on it.

The Council approved the establishment of a correspondence group on the World Wide Academy. Its Terms of Reference and Membership appear at Annex 3.

8.10 IALA Legal Advisory Panel

8.10.1 Report of LAP 7

The secretary General reported briefly on the last LAP meeting and highlighted the main topics discussed: circulation of IALA Council minutes, use of AIS data, membership of IALA-NET and review of the IALA Risk Register.

The LAP advised the Council to continue the wide circulation of the minutes but hide the names, even the countries.

On this subject various opinions were expressed, among which:

- There could be a video recording of the meetings with a reduced written report;
- The report could be more anonymous but IALA could also continue in the present way;
- The discussions could be recorded entirely but only the decisions would be circulated;
- There is a need for a background to action items and decisions.

The Council decided that from this session a full set of minutes would be kept but the report circulated would be anonymous.

8.10.2 IALA Risk Register

It was agreed that the Council members would study the IALA Risk Register and prepare comments for the next meeting.

8.10.3 New LAP Vice Chair

The Council agreed to Jon Price becoming the new LAP Vice Chair.

9. International

9.1 IMO

9.1.1 Report of IMO NAV56

9.1.2 Report of Correspondence Group on e-Navigation

9.1.3 Report of IMO NAV56/WG5 on an e-Navigation implementation plan

Kees Polderman stressed that Jean-Charles Leclair was a perfect IALA representative to IMO.

The Secretary General, answering a question from Stuart Ruttle, said that a meeting held in Monaco had concluded that S100 was a fundamental database for building e-Navigation and UMDM was a good addition to it. The first meeting of a joint harmonisation group would be held in early 2011.

Finally it was reported that the Risk Management Tool had been very well received.

The report and its related documents were noted.

9.2 FERNS

9.2.1 Report of FERNS 19

All four countries are well advanced in their implementing/testing process for e-Navigation.

Japan intends to close its Loran chain in 2013 but will continue to be part of the FERNS agreement with the other systems. The other 3 countries continue to develop and improve their Loran stations. This raised again the question of a backup for satellite systems.

Jeremy de Halpert talked about the current trials on eLoran that were presented at the FERNS meeting through Korea. The report on the latest GPS jamming trial proved that a low level of jamming does have severe consequences with the loss of GPS on ECDIS, AIS, timing, etc. Most modern ships rely on GPS timing to monitor their engines and machinery. There is a high risk of navigation error. This is not only true for navigation but almost all state systems run through GPS timing (banks, police, etc...). Other Government bodies in the UK realize that this is critical for the whole country. The UK will continue to fund the eLoran trials and will bring it in operational capability within the next few years. It is possible to integrate eLoran into current GPS systems but there will be a need to find a new name and develop a

low frequency timing and positioning system. The many Loran stations the countries have still available, even if decommissioned, can be used.

Jacques Manchard supported the statement and said that France had signed a MoU with the UK and Denmark with a view to keeping the Loran system in Europe until 2020. The French stations have been renewed. He reported also that there was an agreement between Norway and Russia for the Loran/Chayka chains.

Dana Goward reported that the USA recognize the need for an alternative to GPS but consider that Loran-C is a too old system to provide a backup to GPS. He understood however that enhanced Loran is accurate and a good backup with all qualities looked for in an alternative system, better in some cases (like underground navigation) than GPS.

Daniel Breton said that there could be different backup solutions according to the navigation conditions (port approaches, rivers, deep sea...). He was in favour of starting on a fresh base.

This was supported by Xu Binsheng, who said that the shipping community should start think of a new system, different from Loran-C or eLoran, and IALA is the best place to start thinking.

The report of FERNS 19 was noted.

9.3 Joint IALA-IHO-IMO-IOC-WMO capacity building meeting – Geneva, October 2010

The meeting was very informative and a good opportunity to exchange information and practices.

The next meeting will be held at IALA Headquarters in October 2011.

The report was noted.

10. IMC matters

Allen Mitchener said that the IMC had not met since the Cape Town Conference. He reported on problems with the Website dedicated to the Industrial Members. These problems had been fixed but the intention is now to integrate it with the renewed IALA Website. The IMC is working in close cooperation with the Treasurer and the IALA Secretariat to have the fees paid by the member companies. He added that the IMC is a great reserve of technical information and as such gets requests for information. He regretted that no feedback is received on information given.

11. IALA Conferences and Symposiums

11.1 Revised IALA Guidelines for the preparation of a Conference or a Symposium

The Secretary General reported that the intention was to prepare Guidelines for Council's approval but this had not been possible due to time constraints. The Guidelines were updated in December 2009 but now need to include the lessons learned from the last Conference and particularly eliminate the risk of a financial loss for IALA, which is likely to be the result of the Cape Town Conference. He added that Turkey offered to take all IALA expenses relating to the next VTS Symposium. This would be used as an option when revising the Guidelines.

11.2 2010 Conference – Cape Town, South Africa

This item was briefly discussed under 11.1.

11.3 2012 VTS Symposium – Istanbul, Turkey

Tayfun Yalcin said that a contract had been signed with the exhibition and convention centre. The invitation brochure was printed and circulated and the Website prepared. The contract with the organising companies will be signed in early 2011. The call for presentations was issued with a deadline set at 31 January 2011. The exhibition will be organised with the help of Steve J Nell of the IMC.

11.4 2014 Conference – A Coruña, Spain

Manuel Gomez announced that Puertos del Estado had decided to hold the 2014 Conference during the second half of May at A Coruña, capital of the Western Province on the Atlantic coast, where the historic lighthouse “Torre de Hercules” stands. The Conference would get the support of the Ministry of Transport and the town. The selected venue is Palexco, located in the old port area. Manuel Gomez made a presentation on Palexco.

Exact dates were still to be decided.

11.5 2016 VTS Symposium – USA

There was nothing to report, except that the intention was to start early with organising companies.

11.4 2018 Conference – Republic of Korea

There was nothing to report under this Agenda item.

12. IALA Workshops and Seminars

This Agenda item was discussed together with 8.1.6.

13. Membership

13.1 Applications for Membership

13.1.1 Applications submitted

National Member

Cook Islands: Their request to join as an Associate Member was rejected. **The Council decided that they should join as a National Member.**

Industrial Membership supported by National Members

Divers Marine Contracting LLC, United Arab Emirates: **Accepted**

Marit S.A, France: **Accepted**

Shandong Buoy & Pipe Industry Co., Ltd.; China: Xu Binsheng indicated that he had not been able to make a survey of the company and was unable to support them. **The decision was postponed.**

DCNS, France: this was a late application supported by Jacques Manchard. It was **accepted.**

Industrial Membership: applications postponed at Council 49 or awaiting support by National Members

SSPA Sweden AB, Sweden: **Accepted**, should they apply for **Industrial** Membership.

Alltek Marine Electronics Corp., China (Taiwan): Xu Binsheng indicated that he had not been able to make a survey of the company and was unable to support them. **The decision was postponed.**

Associate Membership application postponed at the Council 49, awaiting support from National member

Vehicle/Ship IT Convergence Research Team, Rep of Korea: Seung Jae LEE indicated that this was a division of the Electronics and Telecommunications Research Institute. He advised the Council to accept it in the full name of the Institute. This was **accepted.**

Marin, The Netherlands: **accepted as an Industrial Member.**

13.1.2 Organizations indicating their interest in IALA Membership

Marine Safety Fremantle, Australia: **accepted.**

13.2 Resignation from IALA Membership

Resignation from Industrial Membership by **Ryokuseisha** of Japan was **noted.**

13.3 Members in a position to be taken out the List of Members

Based on the suggestion made by the Treasurer under Agenda item 6.4 **the decision was postponed**. The next meeting would decide about taking out Equatorial Guinea and Sudan, should there be no development in the meantime.

14. IALA Communication means

14.1 IALA Website(s)

14.1.1 Update on Websites reorganisation

The Secretary General explained that IALA had too many domain names and hosts. The aim was to gather them into one domain name, which would be *iala-aism.org*. The new Website will contain several secured sub sites. An IT group was formed with Omar-Fritz Eriksson as Chair, Gwenola Josse as Secretary and comprising the Secretary General, the Technical Co-ordination Manager, the Administration Manager, an IMC representative and the IALA IT consultant. The IALA staff e-mail addresses would be changed to reflect the domain name. He also stated that IALA should be ahead of the new IT world.

14.1.2 Policy on digital IALA publications

The Secretary General requested the Council's advice on which documents should be charged and which ones should be available freely. He noticed that some administrations are uploading IALA publications on their own Websites. He recognised that this was done with good purposes but asked them not to do so until a formal decision is made by the Council about the IALA documentation policy. Discussions are taking place at the PAP as well.

14.2 IALA Bulletin

The IALA Bulletin was found a valuable publication and the Council expressed its thanks to all contributors.

15. International co-operation

No recent requests had been received. IALA was trying to remind IMO that safety of navigation is its end responsibility and convince it to include this item in its technical co-operation programme. Jean-Charles Leclair was about to visit Kenya under the IMO umbrella for an Aids to Navigation assessment.

16. Any other business

16.1 Update on IALA relocation

The Secretary General made a short presentation. A visit to the new premises had been organised on Thursday 9th December after the closure of the meeting for those Councillors wishing to see them.

The Treasurer said that a new sound system and video conference facilities, which were not included in the budget for the works funded by France, would be provided at IALA expense.

16.2 Council Agenda

The Secretary General requested that the Agenda for the Council meetings become a standard Agenda item for the next two years.

17. Date and place of next meetings

The Council agreed the following dates and venues for the meetings to be held up to 2014:

- **Session 51** will be held in Rio de Janeiro (Brazil) from 20 to 24 June, 2011
- **Session 52** will be held at IALA Headquarters during week 49, 2011
- **Session 53** will be held in Istanbul, Turkey during week 25, 2012
- **Session 54** will be held in A Coruña, Spain during week 49, 2012
- **Session 55** will be held in Korea during week 25, 2013
- **Session 56** will be held in India during week 49, 2013

The President then closed the meeting at 12h45 on 9th December by thanking the delegates for their support and the IALA Secretariat for an excellent organisation.

Annex 1- Cash flow situation and budget

Cash flow

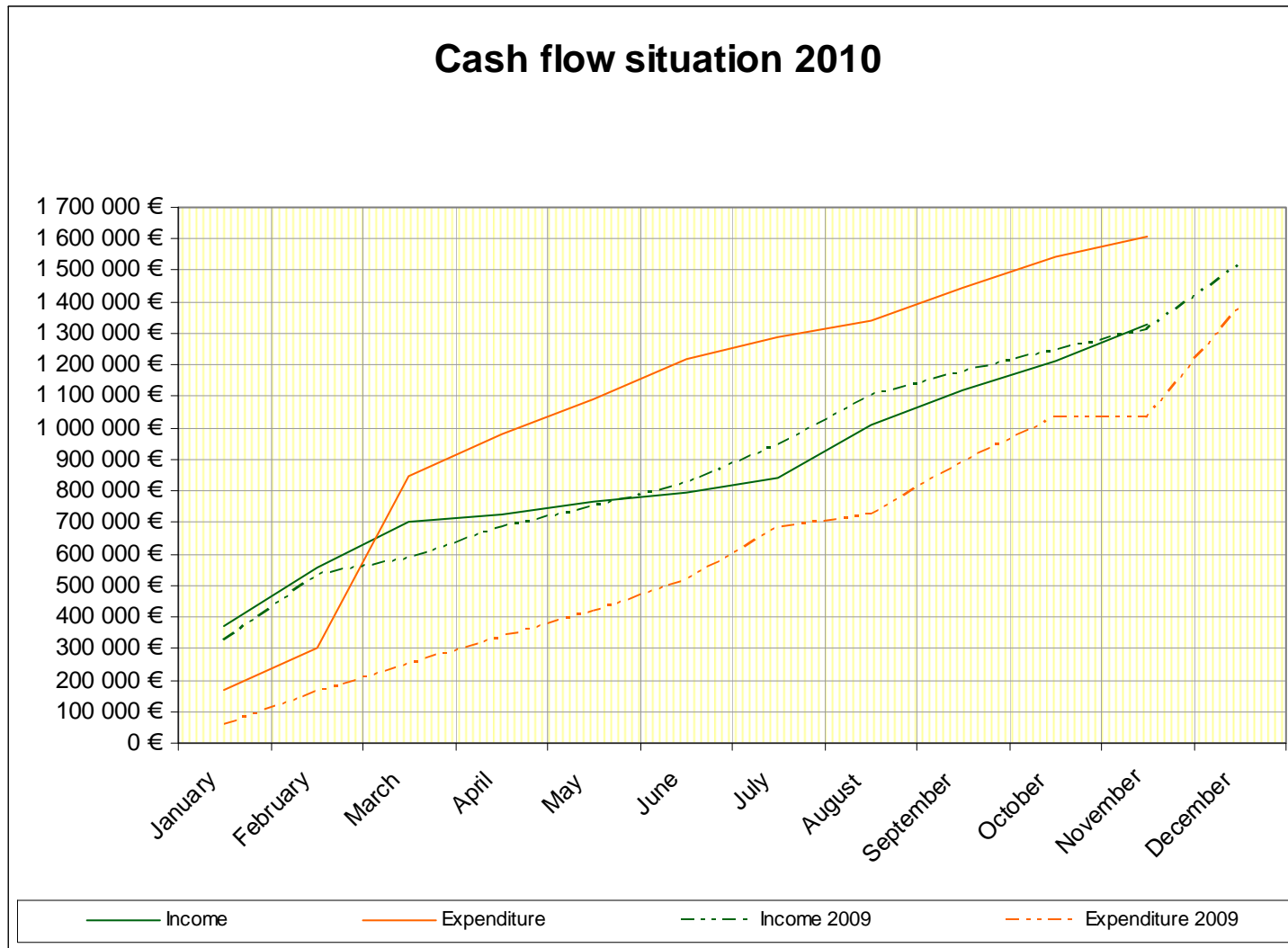
Income	Budget for 2010		Actual as at 31/12/2009		Actual as at 31/10/2010		Commitment against	
	Amount	% of total	Amount	% of total	Amount	% of total	Budget	31/10/2009
Membership fees	1 443 100,00	91%	1 310 524,73	86%	1 064 463,00	1) 88%	74%	100%
Publications (incl. advert.)	78 440,00	5%	65 497,15	4%	62 381,35	5%	80%	96%
Seminars, Workshops, Conference	60 000,00	4%	113 963,96	7%	69 002,85	6%	115%	70%
Miscellaneous	3 000,00	0%	32 235,90	2%	18 317,83	2%	611%	119%
Total income	1 584 540,00	100%	1 522 221,74	100%	1 214 165,03	100%	77%	177%

Expenses	Budget for 2010		Actual as at 31/12/2009		Actual as at 31/10/2010		Commitment against	
	Amount	% of total	Amount	% of total	Amount	% of total	Budget	31/10/2009
Running expenses	166 300,00	12%	201 077,11	15%	181 944,12	12%	109%	129%
Missions	80 000,00	6%	98 163,33	7%	92 300,73	6%	115%	115%
Publications	90 000,00	6%	51 108,52	4%	51 191,63	3%	57%	102%
Personnel (Incl. Taxes & charges)	970 000,00	69%	913 641,55	66%	1 002 155,51	65%	103%	147%
Meetings	91 000,00	7%	112 471,66	8%	215 723,03	14%	237%	274%
Total expenses	1 397 300,00	100%	1 376 462,17	100%	1 543 315,02	100%	110%	149%

Provisions	90 419,00
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Income against expenditure	96 821,00	145 759,57	-329 149,99
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Notes: 1) 270 300 paid in 2010 for 2011

Cash flow graph

DRAFT BUDGET OVER 5 YEARS

50th session of the IALA Council
December 2010

(in Euros)

INCOME

	2009 Actual as at 31st December	2010 2% increase in fees	2011 3% increase in fees	2012 3% increase in fees	2013 3% increase in fees	2014 3% increase in fees	2015 3% increase in fees	Notes
A) Membership fees (a)	1 433 810	1 443 100	1 543 960	1 590 278	1 637 987	1 687 126	1 737 740	a) Based on the present number of members
B) Publications (b)	72 278	78 440	79 643	82 912	84 250	87 657	90 137	b) New Manuals and Guides in Conference and VTS Symposium years
C) Seminars & Workshops	91 132	10 000	15 000	15 000	15 000	15 000	15 000	
D) IALA Conferences	6 805	50 000	0	50 000	0	50 000	0	
E) Miscellaneous ©	38 316	3 000	3 000	3 000	3 000	3 000	18 000	c) Sale of cars in 2015
Provision for bad debts	0	-130 000	-130 000	-130 000	-130 000	-130 000	-130 000	
Total Income	1 642 341	1 454 540	1 511 603	1 611 191	1 610 237	1 712 784	1 730 877	

EXPENSES

	2009	2010	2011	2012	2013	2014	2015
F) Running expenses	229 144	167 300	178 300	178 300	178 300	178 300	178 300
G) Missions	98 455	80 000	90 000	90 000	90 000	90 000	90 000
H) Publications	53 622	90 000	63 000	75 000	63 000	63 000	63 000
I) Staff	851 309	970 000	920 000	920 000	920 000	920 000	920 000
J) Workshops & meetings HQ	94 491	41 000	44 000	64 000	44 000	44 000	44 000
K) Conferences	8 006	50 000	0	50 000	0	50 000	0
Total Expenses	1 335 026	1 398 300	1 295 300	1 377 300	1 295 300	1 345 300	1 295 300

PROVISIONS

	2009	2010	2011	2012	2013	2014	2015	
For contingencies	0	7 500	7 500	7 500	7 500	7 500	7 500	
For reserve rebuilding 1)	0	0	110 000	110 000	110 000	110 000	110 000	1) Recovering relocation expenses over 5 years
For inflation (3%)	0	41 949	80 808	122 127	160 986	201 345	240 204	
For strategy implementation	0	15 000	15 000	15 000	15 000	15 000	15 000	
Total Provisions	0	64 449	213 308	254 627	293 486	333 845	372 704	

CAPITAL COSTS 2)	0	26 000	0	0	0	0	42 000	2) New car(s) in 2010 and 2015
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EXPECTED RESULT OF THE YEAR		-34 209	2 995	-20 736	21 451	33 639	20 873
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Annex 2 - Strategy meeting report – 6 December 2010

REPORT OF MEETING HELD ON 6TH DECEMBER

The meeting was held at IALA Headquarters, commencing 14h00:

The meeting worked along the lines of the Agenda provided by Christian Forst.

1. Welcome and introduction

The Secretary General and the Chairman welcomed all participants.

2. Overall schedule for the IALA Strategy Group 2010 – 2014 (supporting paper 1)

The Chairman reminded the participants that the main task for the Strategy Group was to monitor the progress made on the strategic items identified for the period and add to the list if necessary. The strategic items had been identified by the Council at the end of the previous period and prioritized according to a procedure that he explained as well.

3. Reports

a. Kiel meeting, October 2010 (supporting paper 2)

b. Joint Strategy Group / Policy Advisory Panel meeting, October 2010 (supporting paper 3)

The participants commented on the Committee intersessional meetings, which had been identified as a matter of concern. It was made clear again that intersessional meetings are in some cases held every month and generate excessive costs to the IALA Members. In addition, having intersessional meetings should not be for a Committee a normal way to finish its work on a work item. They should be used only for urgent matters. Having too many intersessional meetings may be a sign that the Committee is overloaded and the Council should revise its work programme.

The following proposal was agreed for submission to the next PAP meeting:

When additional work is needed on a work item the Committee Chair should set up a correspondence group, which can make use of digital communication means such as GoToMeeting, teleconferences, etc. In very urgent or exceptional situations the Committee Chair might convene intersessional meetings, keeping in mind that correspondence groups are the default option and intersessional meetings have to report on their results to the Committee, and the Committee to the Council.

⇒ ***Action item: The Secretariat to forward the Strategy Group proposal to the PAP for the necessary approval by the Council of revised Rules of Procedures of IALA Committees (Council session 51 – June 2011)***

4. Strategy implementation monitoring

The Chairman presented the strategic elements allocated to the Committees, reviewed during the Joint Strategy / PAP meeting in October. He indicated that this was a way for the Strategy Group to monitor progress but also to identify any problems, for example a too heavy work programme.

5. First update - Strategy implementation plan 2010-2014

a. Recommendations from Cape Town Conference and Input from Council members (supporting paper 4).

- Clarification was requested on item "Integration of issues within IALA's remit into Coastal and Spatial Planning schemes". Dana Goward explained that this means defining which activity is taking place in

which area. Although this was found at the limit of the IALA scope of activity it was recognized that it could be part of traffic management (one has to manage the space to manage the traffic). As the US project is based on an EU experience, both Dana Goward and Kees Polderman were invited to make a presentation on the concept at the next Strategy Group meeting.

⇒ **Action item:** *Dana Goward and Kees Polderman to prepare presentation(s) to the next Strategy meeting on best practices (EU) and expected results (USA) of coastal and spatial planning schemes.*

The group was not in a position to make any recommendation to the Council at this point in time.

- Comments were made on item **“IALA VTS centre accreditation”**. Although IALA made an extensive work accreditation for VTS operators there is no generic process in place to assess VTS equipment and procedures, and this could help building a global VTS system. It was found important to make clear what is meant by “accreditation”. Accreditation is a heavy procedure with legal implications. The Legal Advisory Panel should, in such a case, be involved.

Instead of accreditation there could be a quality system put in place, based on the IALA Recommendations and Guidelines and encouraging the VTS centres to check their equipment and procedures against the IALA documentation.

The IMO audit scheme also involves VTS. When the IMO audit gives positive results there might be no need to go for a further accreditation.

The conclusion of the discussions on this item was that the first step should be to ask the VTS Committee for their opinion and then come back to the matter at a further meeting.

⇒ **Action item:** *The Secretariat to request the VTS Committee to give their views on the need for VTS centre accreditation.*

- **VTM** and **UMDM** were planned for discussion in Council plenary and were not debated during the Strategy meeting.

b. Coordinated actions on research, developments and innovation (supporting papers 6.1 and 6.2).

Stuart Ruttle submitted the results in full. He is prepared to edit and send them to all IALA National and Associate members to encourage those who have not responded yet to participate in the survey. He said that Industrial Members were left out on purpose, not to include commercial oriented R&D.

He then suggested asking Members (and especially Council members) to report on new initiatives they are thinking of, as a contribution to the IALA Strategy.

⇒ **Action item:** *Stuart Ruttle, with the support of the IALA secretariat, to edit and circulate the results of the R&D survey to National and Associate Members, and resend the original questionnaire to those who have not responded yet.*

c. Catalogue of relevant competencies (supporting paper 7)

Juan-Francisco Rebollo said that its objective is to maintain a catalogue of expertise within IALA Members around the world, available through the Web. It would incorporate the current IALA Roster of Experts. The data base is likely to start to be populated in 2011.

d. External scan on IALA (supporting paper 8)

e. Co-operation with Sister Organisations (supporting paper 9)

Christian Forst had made an exercise on the strategic visions and plans of other organisations, from which it appears that they also face challenges.

It could be interesting to bring them together to speak about strategic issues. MoUs exist between IALA and some of the organisations listed but the working interface is not necessarily the same. There are regular meetings between IALA and IHO but the relationship is loose with others.

Hearing them on their strategic issues may enrich the IALA strategy discussions and experts of relevant organisations might be invited to take part in the debate.

⇒ **Action items:**

- *The secretary General to prepare a list of Organisations he thinks are relevant (next IALA Strategy meeting)*
- *The Secretary General, after Council approval, to invite real experts from relevant international / sister organisations to take part in strategic discussions, according to the subject.*

⇒ **Recommendations to the Council:**

- *To establish MoUs with sister organisations to exchange strategy documents and programmes and seeking comments*
- *To regularly analyze the strategies and work programmes of sister organisations*
- *To encourage IALA members to share their national strategies with all IALA Members*
- *To underline that IALA is an independent, unique NGO, willing and capable to foster safety and efficiency of vessel traffic and the protection of the marine environment through Aids to Navigation.*

f. New class of IALA Membership (supporting paper 11)

EMSA, which was at the origin of the debate about Regional Membership, was identified as not eligible as it has no AtoN responsibility within Europe. The participants were in favour of giving one National or Associate Membership to groups of countries within a region, which would be interested in joining IALA but can't afford it. This was considered as a valid attempt to enter IALA.

⇒ **Recommendations to the Council:**

- *To keep EMSA under Associate Membership*
- *To consider cases where a group of nations could apply as one National Member, with them being AtoN providers as a key element. The Council might also consider allowing them Associate Membership as an entrance to IALA.*

6. Identification of relevant strategic items for the period 2014 – 2018 (supporting paper 10)

The Chairman gathered first inputs from the Council. He encourages submissions to the Strategy Group for the work to start in 2012.

The Secretary General however urged the Councillors to keep them confidential at least until the work has really started.

8. Any other business

a) IT security

The Chairman requested the group's advice on this issue: is it something that should be considered by the Committees? IT being everywhere it might be wise to warn Members on the potential security issues. IT security more than virus scan: process control involved.

The participants being of different opinions (from "everything under control" to "everything can happen") it was agreed to request the Committees' opinions through their Chairs.

⇒ **Action item:** *The Secretariat to ask the Committee Chairs if the IT issue is taken into consideration in their documentation and to comment briefly on it.*

There was no other business on the Agenda.

Annex 3

Terms of Reference for the Correspondence Group on the IALA World Wide Academy

At its 50th session, the Council decided to establish a Correspondence Group for the development and the sustainability of the IALA WWA. This Correspondence Group will:

- Update the note on the presentation of the IALA WWA, including its objectives,
- Make the inventory of the training material already developed by IALA as well as the training activity already performed,
- List the training material still to develop, the different expected ways to deliver training and the users of the training activities,
- Propose a governing model for the IALA WWA,
- Establish a budget, taking into account of possible grants and other sponsorships,
- Study the possibility of cooperation with other training organizations and institutes,
- Propose an action plan.

The Correspondence Group is composed of:

- The Secretary General of IALA
- The Treasurer of IALA
- The Chairman of the EEP Committee
- The Chairman of the VTS Committee
- The Chairman of the e-NAV Committee
- The Chairman of the ANM Committee
- VAdm. Satoru OSANAI, Council Member

The coordinator of the Correspondence Group and rapporteur to the Council is the Dean of the IALA WWA.