

Report of the 51st session of the IALA Council

Rio de Janeiro, 20-24 June 2011

Twenty-two Councillors out of twenty-four were in attendance. Finland and Australia had sent apologies for absence.

Activity report

The move to the new headquarters was reported as a mile stone in the life of the Association. A quick survey showed that the Committee members who met at the new premises are happy with the facilities. Some meeting rooms need new furniture and sponsorship is open to Industrial Members. The World Wide Academy has taken a more formal shape. A new group had been created to help IALA facing IT issues.

Strategy

The Strategy Group considered reports on maritime spatial planning and updated the strategy implementation. Recommendation was made to the full Council to pursue the work on VTM and suggested two options that are reported hereunder. Identification of strategic items for the period 2014-2018 was postponed to a further meeting.

Finance

Balance sheet 2010

The Council approved the balance sheet showing a net value of over 3M Euros but a loss of 210,960,20 Euros for the year, which was expected due to the IALA having run two Secretary Generals and two HQ premises for some months during that year, in addition to the Cape Town Conference.

Cash flow situation as at 31 May 2011

The cash flow situation shows a satisfactory situation.

2012 Budget and 5 year forecast

The Finance Advisory Panel made recommendations to the Council on the amount of membership fees for the year 2012. The Council agreed a 3% increase to be applied on membership fees resulting in the following rates to be applied with effect 1st January 2012:

National membership:	13,200 Euros (against 12,800 in 2011)
Associate membership:	2,575 Euros (against 2,500 in 2011)
Industrial membership:	4,900 Euros (against 4,760 in 2011) plus the standard 500 Euros to be paid back to the IMC Committee.

Invoices will, as usual, be issued in July 2011 with a payment deadline set up for 31st January 2012.

Policy Advisory Panel

VTM (Vessel Traffic Management)

The Council considered the recommendations of the Strategy Group, including the two options proposed, i.e.:

1. To discontinue the work of IALA on VTM and invite National Members to submit relevant proposals to the IMO; or
2. To proceed with the work after preparation and consideration of a “convincing paper”, which should also be a basis for inviting NGOs to participate in the development of this overarching concept.

A majority was in favour of option 2 and it was agreed to form a task group to review the work done, to clarify and – where possible – simplify the concept, and to prepare a document (preferably a road map, including a proposal for a Workshop with other NGOs) for submission to the next Council session (52). The Task Group consists of Roger Barker of Trinity House, Kees Polderman of The Netherlands, Dana Goward of the USA, Tayfun Yalcin of Turkey and Francis Zachariae of Denmark.

Mandatory training for VTS Operators

A meeting was held to review VTS training, the purpose of which was to suggest an action plan for making the training of VTS Operators mandatory. A second meeting will be held in early 2012 with the aim of developing further proposals to be forwarded to IMO when its new team is in place.

In the meantime the Council decided in principle to adopt the policy that training and certification of VTS personnel becomes mandatory and delivered to internationally approved standards. The Secretary General was requested to discuss possible options for a way forward with the IMO secretariat.

Information paper on IALA Recommendation e-NAV 140 on Shore Based e-Navigation Architecture

The introduction paper to the complex subject of e-Navigation architecture, the purpose of IALA Recommendation e-NAV 140, had been developed to help understanding. The Council however found that it was still too complicated

The e-NAV Committee is requested to simplify the explanations and take into account the outcome of IMO NAV 57, and consider requesting the support of a professional writer. It will then be published as an information document. The present document will be used as a condensed Recommendation e-NAV 140 with revised introduction.

Rules of Procedure for IALA Committees

Changes to the current Rules of Procedure aim at having decisions taken at a majority of votes instead of unanimity and making clear that Committee Members are not official representatives of the IALA National Member in their countries but technical experts. The Council, reaffirming that it

needs to be aware of diverging opinions in a Committee on technical issues, endorsed the revised Rules of Procedure.

VTS beyond territorial seas

There is a demand at IMO for VTS beyond national borders. The role of IALA in this direction is not to promote the concept but give guidance when it has to be implemented, i.e. when IMO has made practical provision for it in SOLAS Chapter V. IALA should initially work towards such a provision.

The VTS Committee is encouraged to continue its work on VTS beyond territorial waters.

IALA meeting dates

The proposed calendar (attached as Annex 1) was approved in principle but it has to be flexible, especially because IMO meeting dates are not published well in advance and adjustments may be needed to avoid conflicts between IALA and IMO meetings dates. IMO should also be encouraged to publish its own calendar more in advance.

Advertising in IALA Manuals

The proposal of having advertising on Manual inside cover pages calls for a procedure to be put in place, which goes farther than having advertising or not. The questions are: 1) Does IALA need to keep paper Manuals? 2) Does IALA want to continue giving documents for free? 3) What procedure should be put in place to ensure that Industrial Members advertising in the Manuals are still members at the end of the period?

Regarding the 3rd question the Treasurer advised that advertisers should pay a 2 year subscription at once, plus an advertising price that needs to be calculated.

There was however no conclusion and the matter will be debated further within the Policy Advisory Panel in conjunction with the Industrial Members Committee, with a business case being developed for the next Council meeting.

e-Navigation Committee

Report on e-NAV 9

There is an on-going concern regarding the growing attendance at the Committee. Various solutions are being considered, the most likely one is that IALA will install video cameras allowing the observers and the members who are unable to sit in the plenary room to follow the meeting from another room.

IALA Recommendation A-126 on the Use of the Automatic Identification System (AIS) in Marine Aids to Navigation Services

A new version of this Recommendation – Edition 5 dated June 2011 – was approved.

Liaison note to RTCM on AIS MoB and EPIRB AIS devices

The liaison note was prepared in response to one from RTCM proposing solutions to issues involving the use of AIS for Man Overboard and in EPIRBS. The Committee was content with what RTCM had proposed and the Council approved the liaison note to RTCM.

Liaison note to the IMO/ITU Joint Expert Group on Spectrum requirements for e-Navigation

The liaison note was prepared in response to Resolution 357 of WRC 07 stating that IALA should contribute to studies for WRC-12 Agenda item 1.10. IALA has already fulfilled its allocated tasks but suggests that a specific Agenda item should be considered at WRC-12 for WRC-16.

New FAQ on the level of traditional aids to navigation in an e-Navigation environment

A new question was added to the FAQs on e-Navigation: *“Will e-Navigation impact on the provision of traditional aids to navigation?”* to which the following answer is given:

“As per the SOLAS 74 Convention (Chapter V, Regulation 13), Contracting Governments undertake to provide aids to navigation in accordance with the volume of traffic and degree of risk.

Aids to navigation authorities should continue to take the above into account when they evaluate the provision of the overall aids to navigation service.

e-Navigation is a harmonisation concept, which will take into account both traditional and modern aids to navigation, aimed at improving the safety of navigation.”

IALA Recommendation on the harmonized implementation of (AIS) Application Specific Messages (ASM)

This new IALA Recommendation was approved by the Council.

IALA Guideline No. 1060 on Recapitalisation of DGNSS

A new version of this Guideline – Edition 2 dated June 2011 – was approved.

IALA Guideline on an Overview of AIS

This new IALA Guideline was approved by the Council, with the addition of a note drawing attention on AIS losing its credibility in case of GNSS shortage and editorial amendments to be done by correspondence.

Workshop on Data Exchange / Portrayal Seminar

The Seminar was scheduled for March 2012 in Bremen. The Council decided not to approve it until the results of the Workshop on Data Exchange, which is due in September 2011, are known.

VTs Committee

Report on VTs 32

The Council took note of the report, noting that this Committee is also growing in number.

IALA Recommendation V-127 on Operational Procedures for Vessel Traffic Services

A new version of this Recommendation – Edition 2 dated June 2011 – was approved.

IALA Guideline on Standards Nomenclature to identify and refer to VTS Centres

This new IALA Guideline was approved.

IALA Recommendation on the Inter-VTS Exchange Format (IVEF) Service

This new IALA Recommendation was approved.

ANM Committee

Report of ANM 16

The Council noted the report and approved the changes proposed to the Committee task list.

IALA Guideline on Authorisation of AIS Aids to Navigation

The Council appreciated the quality of the document but requested that the review section was expanded to give more guidance on updates. The document was sent back to the Committee for it to improve that section.

IALA Guideline 1078 on the Use of Aids to Navigation in the Design of Fairways

The initial draft Guideline was reviewed by the Council at its 50th session and returned to the Committee. It has been reduced in size and a table of definitions has been added. It was this time approved by the Council, which thought that it could be interesting to PIANC as well and requested the Secretariat to forward it to them.

IALA Recommendation O-130 on Categorization and Availability Objectives for Short Range Aids to Navigation

A new version of this Recommendation – Edition 2 dated June 2011 – was approved, with some editorial amendments.

IALA Guideline 1058 on the Use of Simulation as a Tool for Waterway Design and AtoN Planning

A new version of this Guideline – Edition 2 dated June 2011 – was approved.

Need to revoke Recommendation O-133

Following the revision of the IALA Maritime Buoyage System the Recommendation dealing with the Emergency Wreck Marking Buoy is obsolete. The Council agreed to revoke it.

Risk Management Seminar

The Risk Management Seminar is now an annual event for IALA. The Council approved to hold a further one in November 2012 in Australia.

OREI and Marine Spatial Planning Workshop

The Workshop is planned at IALA Headquarters in January 2012. It was approved by the Council but the flyer has to be revised to clarify the objectives, integrating maritime safety, use of aids to navigation in maritime planning, traffic management, and a message on best practices.

EEP Committee

Report of EEP 16

The report was noted and the Council agreed to revoke product certification while retaining the certification templates for use by National Members. It was thought useful to consider developing a guide on procurement.

IALA Guideline 1073 on Conspicuity of Aids to Navigation Lights at Night

This new IALA Guideline was approved.

IALA Guideline 1067-0 on Selection of Power Systems for Aids to Navigation and Associated Equipment

A new version of this Guideline – Edition 1.1 dated June 2011 – was approved. It is recalled that it supersedes the IALA Guidelines on Power Sources for Aids to Navigation dated December 2004.

Model Course on Aids to Navigation – Level 2, Technician – Moorings

The model course was approved.

Fixed and Floating Aids Workshop

The Workshop, scheduled in 2012 would combine the previous FLOATAID and IALABATT/IALALITE workshops held at regular intervals, with more exhibitors expected. The proposal received approval from the Council; the workshop will be held in Brest, France.

Pilotage Authority Forum (PAF)

Report of PAF 10

The Council noted the report and, although recognizing that IALA dealing with pilotage matters is a controversial issue, decided that it was worth continuing the work on the basis that pilotage is an assistance external to the ship and thus falls within IALA's scope of work.

IALA Guideline 1080 for Competent Pilotage Authorities and Pilotage Service Providers

The Council established that not all comments made at the last session had been taken into account and the draft Guideline still contains incorrect statements. In addition it was agreed that the Guideline should aim at Competent Pilotage Authorities only, not mentioning Pilotage Service Providers.

The Council members will make further comments on the draft Guideline, their comments will be forwarded to the PAF together with information brought from regional pilotage authorities and the PAF will submit a new draft to the Council.

IALA-NET

Participation in IALA-NET is still limited and not progressing. It is suggested to await the outcome of the Workshop on Global Maritime Data Sharing before launching a more dynamic approach campaign for membership. The Council also took note of the discussions on satellite AIS and the benefits of creating an “S-IALA-NET” that would work in parallel to IALA-NET.

IALA Risk Management Tool

The current tool is now adequate to assess the actual risk and the group is now focusing on causation factors. To this end a statistic data base is needed in order to assess the impact of adding/removing aids to navigation, including a VTS, or a pilot or a routeing system. The commercial version of the software is now available, which greatly facilitates the use of the tool for a reasonable cost (approximately 3,000 Euros).

World Wide Academy

The Correspondence Group formed at Council session 50 made considerable progress, in particular in the field of training with the proposal to add a new level in the model courses aiming at executives in Aids to Navigation Authorities and executives in safety of navigation, and proposals about interim measures to formalize the WWA before it can be embedded in the IALA Constitution. The Group submitted a draft formal decision for adoption by the Council. It was recalled that the WWA would not be a physical body but a help to organize training arrangements, using existing training institutes where available.

The IALA Council approved the addition of the new level to the Model Courses. It noted with thanks that MENAS had agreed to sponsor it. Advice from the Legal Advisory Panel is requested with regard to the draft Council Decision formalizing the existence of the WWA. TORs will need to be developed with governance arrangements including an independent budget account from that of the general IALA accounts.

Governance arrangements will be drafted for the next Council session, with the support of the LAP, if needed.

Legal Advisory Panel

The Council agreed to the Secretary General asking the Committees for suggestions when reviewing the Constitution. The Committees will submit their comments through the Policy Advisory Panel. The Risk Register will be checked by the Councillors and comments forwarded to the LAP, if any. The type of risk (finance, reputation, etc.) should be added to the Register. The MOU between IALA and its Host Country was agreed in principle, with a reservation regarding the way to solve potential disputes.

The Legal Advisory Panel will look into the need to introduce into the MOU a reference to a court when disputes have to be resolved.

IT Group

An IT Group has been formed to assist IALA in keeping up to date with the fast changing information technology, developing IT strategy and solving problems encountered. The Group identified three priority areas on which it has started to work: Website management, development and domain registration; IT infrastructure (servers, network and broadband connection); and, IT services for Council, Committees and Secretariat.

International

IMO MSC 88

LRIT, piracy and amendments to IMO Conventions were the main subjects of discussions. Two SN Circulars particularly important for IALA were issued, on the revised MBS and on the IALA Risk Management Tool.

IMO STW 42

The Sub Committee discussed e-Navigation. Although the participants did not seem ready to take any decision they were very open minded and in demand of information. Work will be needed however to convince coastal States that according to UNCLOS and SOLAS they have obligations in the shore part of safety of navigation. This doesn't mean however that future mandatory audit schemes will oblige coastal states to monitor the traffic along their coasts.

IMO COMSAR 15

The Sub Committee prepared two submissions to the MSC of interest to IALA, both regarding e-Navigation. It also established a correspondence group to establish the need for a review of GMDSS.

IMO MSC 89

The Committee mainly dealt with piracy with some progress made on LRIT. Preparation work continues on a future mandatory audit system, which would oblige coastal states to monitor their traffic along their coasts.

IMO NAV 57

Three documents submitted by IALA were considered. The one on AIS navigation status was not agreed. The document concerning PNT functions and the necessity of a backup was discussed and the T function (timing) was found as not of primary importance for AIS. The validity of this information for a backup system needs to be confirmed. The third submission on the use of AIS as an aid to navigation led to the established of a correspondence group co-ordinated by Hideki Noguchi of Japan. The IALA ANM Committee is expected to be the leading Committee in this regard and it is quite desirable that Cdr. Noguchi takes part in the next ANM meeting. The report of NAV 57 also includes questions on pilotage.

Industrial Members Committee

The Council considered the proposal made by the IMC to reduce the rights of Industrial Members not conforming to the subscription payment deadline. The creation of a new class of membership called “members in good standing” wasn’t found desirable. The LAP advice will be sought. The disruption of product certification was agreed and a letter will be sent to all Industrial Members informing them of the decision.

Conferences and Symposia

2012 VTS Symposium (Turkey)

Progress in the preparation work was noted. The IALA Secretary General will write to the IMO Secretary General to invite him as a keynote speaker as soon as his name is known.

2014 IALA Conference (Spain)

The Conference will run from 25 to 31 May 2014 in Palexco, A Coruna, Spain. The theme for the Conference is still to be decided.

2016 VTS Symposium (USA)

There was no further progress to be reported, the VTS Symposium Committee is to be formed during the 2012 Symposium.

2018 IALA Conference (Korea)

The invitation made by Korea was formally accepted and the Conference will start in the 1st week of May 2018.

IALA Membership

New members accepted

- National Members: **Nigerian Ports Authority** (Nigeria); **Bulgarian Ports Infrastructure Company** (Bulgaria)
- Associate Members: **Sociedad de Salvamento y Seguridad – SASEMAR** (Spain); **ETRI Electronics and Telecommunications Research Institute** (Republic of Korea); **MARIN** (The Netherlands); **Marine Safety Fremantle** (Australia)
- Industrial Members: **Orchid Plastics Ltd.** (UK); **Aster S.p.A.** (Italy); **Shandong Buoy & Pipe Industry Co., Ltd.** (People’s Republic of China).

Resignation from Membership

- Associate Member: **BMT Asia** (Singapore)

Member taken out the List of IALA Members

- National Member: **Sea Ports Corporation** (Sudan), for non payment of membership fees.

Honorary Membership

Dr. Stuart Ruttle (Ireland)

Mr. Manmohan Singh Suman (India)

Any Other Business

Arctic Forum

The Forum currently consists of the 5 states bordering the Arctic Ocean. The question of opening it to other IALA National Members was not answered and postponed to the next session. In the meantime the TORs mention that requests to participate received from countries other than the 5 would be considered on a case by case basis.

A new name for eLoran

eLoran is considered by the countries having made trials as the best option for a terrestrial backup to GMDSS. Its name suffers however from the reminiscence of “Loran”, now out of date. A proposal was made by Korea to rename the new system “TERRANAV”, which stands for Terrestrial Radio Navigation. The Council unanimously to support world-wide adoption of such a new name.

In addition to the new name allocation of work was made to the e-NAV (to develop Guidelines) and ANM PNT Group to take this new system onboard.

Date and place of next meetings

Session 52: 7-11 December 2011, IALA Headquarters, Saint-Germain-en-Laye, France

Session 53: 18-22 June 2012, Turkey

Session 54: December 2012, Spain

Session 55: June 2013, Republic of Korea

Session 56: December 2013, India

ANNEX A

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2011

 Workshop
 Committee / Panel / Forum meeting
 Seminar
 Council meeting
 Conference / Symposium
 Main holiday
 Other event
 Clocks change

	January	February	March	April	May	June	July	August	September	October	November	December
Monday										1		
Tuesday					1					2		
Wednesday		1			2 PAP23			1		3		
Thursday		2 To be reviewed with IHO and rescheduled	1		3 PAP23			2		4	1	
Friday		3	2		4 Conference SG			3		5	2	
Saturday		4	3		5	2		4	1	6	3	1
Sunday	1 NEW YEAR	5	4	1	6	3	1	5	2	7	4	2
Monday	2	6	5 e-NAV / IHO Workshop Bremen	2	7	4	2	6		8 EEP Workshop	5	3 Council 54
Tuesday	3	7	6 Data Exchange / poi	3	8	5	3	7		9 Fixed & Floating Aids	6 ANM	4
Wednesday	4	8		4	9	6	4	8	5 VTS35 Istanbul	10 Brest	7 Risk Workshop	5 Spain
Thursday	5	9		5	10	7	5	9			8 Australia	6
Friday	6	10		6	11	8	6	10			9	7 A Coruna
Saturday	7	11		7	12	9	7	11	8	13	10	8
Sunday	8	12		8 EASTER	13	10	8	12	9	14	11	9
Monday	9	13	12	9	14	11	9	13	10	15	12	10
Tuesday	10 ANM	14 VTM	13	10	15	12	10	14	11 VTS Symposium Istanbul	16	13	11
Wednesday	11 Workshop	15 Workshop	14	11	16	13	11	15		17 EEP19	14 ANM19	12
Thursday	12 OREI	16 VTM	15	12	17	14	12	16		18	15	13
Friday	13 IALA	17	16	13	18	15	13	17		19	16 Australia	14
Saturday	14	18	17	14	19	16	14	18	15	20	17	15
Sunday	15	19	18	15	20	17	15	19	16	21	18	16
Monday	16	20	19	16	21	18	16	20	17	22 PAP / Strategy	19	17
Tuesday	17	21	20	17	22 PAF12	19	17	21	18	23 PAP24	20	18
Wednesday	18	22	21	18	23	20	18	22	19	24 PAP24	21	19
Thursday	19	23	22	19	24	21	19	23	20	25 Conference SG	22	20
Friday	20	24	23	20	25	22	20	24	21	26	23	21
Saturday	21	25	24	21	26	23	21	25	22	27	24	22
Sunday	22	26	25	22	27	24	22	26	23	28	25	23
Monday	23	27	26	23	28	25	23	27	24	29	26 EEP	24
Tuesday	24	28	27	24	29	26	24	28	25	30	27 Workshop	25
Wednesday	25	29	28 e-NAV11	25 ANM18	30	27	25	29	26 e-NAV12	31	28 Arctic	26
Thursday	26		29	26	31	28	26	30			29 Engineering	27
Friday	27		30	27		29	27	31			30 TBC	28
Saturday	28		31	28		30			29			29
Sunday	29			29		31			30			30
Monday	30			30								31
Tuesday	31											
Wednesday												
Thursday												

2012



Workshop
Committee / Panel / Forum meeting



Seminar
Council meeting



Conference / Symposium
Main holiday



Other event
Clocks change

	January	February	March	April	May	June	July	August	September	October	November	December
Monday				1			1					
Tuesday	1 NEW YEAR			2			2			1		
Wednesday	2			3	1 Conference SG		3			2		
Thursday	3			4	2 PAP/Strategy		4	1		3		
Friday	4	1	1	5	3		5	2		4	1	
Saturday	5	2	2	6	4	1	6	3		5	2	
Sunday	6	3	3	7	5	2	7	4	1	6	3	1
Monday	7	4 EEP	4 VTS / IHO	8	6	3	8	5	2 VTS	7	4	2 Council 56
Tuesday	8	5 Workshop	5 Workshop	9	7	4 EEP	9	6	3 Workshop	8	5	3
Wednesday	9	6 WWA / AtoN	6 Maritime Surface	10	8	5 Seminar	10	7	4 Training	9 EEP21	6	4 India
Thursday	10	7 Model courses	7 Picture	11	9	6 Heritage	11	8	5 India	10	7	5
Friday	11	8 IALA TBC	8 TBC	12	10	7 Greece	12	9	6 TBC	11	8	6
Saturday	12	9	9	13	11	8	13	10	7	12	9	7
Sunday	13	10	10	14	12	9	14	11	8	13	10	8
Monday	14	11	11	15	13 e-NAV / ALL	10	15	12	9	14	11	9
Tuesday	15 ANM	12	12	16	14 Workshop	11	16	13	10	15	12 ANM/EEP	10
Wednesday	16 Workshop	13	13 VTS36	17 EEP20	15 e-NAV for AtoN	12	17	14	11	16 ANM21	13 Seminar	11
Thursday	17 VAtON	14	14	18	16 Authorities	13	18	15	12	17	14 IALA Risk Toolbox	12
Friday	18 IALA TBC	15	15	19	17 TBC	14	19	16	13	18	15 TBC	13
Saturday	19	16	16	20	18	15	20	17	14	19	16	14
Sunday	20	17	17	21	19	16	21	18	15	20	17	15
Monday	21	18	18	22	20	17 Council 55	22	19	16	21	18 Conference SG	16
Tuesday	22	19	19	23	21	18	23	20	17	22	19 PAP/Strategy	17
Wednesday	23	20	20 e-NAV13	24 ANM20	22	19 Korea	24	21	18 VTS37	23 PAP26	20	18
Thursday	24	21	21	25	23	20	25	22	19	24 PAP26	21	19
Friday	25	22	22	26	24	21	26	23	20	25	22	20
Saturday	26	23	23	27	25	22	27	24	21	26	23	21
Sunday	27	24	24	28	26	23	28	25	22	27	24	22
Monday	28	25	25	29 PAP25	27	24	29	26	23	28	25	23
Tuesday	29	26	26	30 PAP25	28	25	30	27	24	29	26	24
Wednesday	30	27	27		29	26	31	28	25 e-NAV14	30	27	25 CHRISTMAS
Thursday	31	28	28		30	27		29	26	31	28	26
Friday			30		31	28		30	27		29	27
Saturday			31 EASTER			29		31	28		30	28
Sunday						30			29			29
Monday									30			30
Tuesday												31
Wednesday												
Thursday												

2013

	Workshop Committee / Panel / Forum meeting		Seminar Council meeting		Conference / Symposium Main holiday		Other event Clocks change
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	January	February	March	April	May	June	July	August	September	October	November	December
Monday									1			1
Tuesday				1			1		2			2
Wednesday	1			2			2		3	1		3
Thursday	2			3	1		3		4	2		4
Friday	3			4	2		4		5	3		5
Saturday	4	1	1	5	3		5	2	6	4	1	6
Sunday	5	2	2	6	4	1	6	3	7	5	2	7
Monday	6	3	3	7	5	2	7	4	8	6	3	8
Tuesday	7	4	4	8	6	3	8	5	9		4	9
Wednesday	8	5	5	9	7	4	9	6	10	8	5	10
Thursday	9	6	6	10	8	5	10	7	11	9	6	11
Friday	10	7	7	11	9	6	11	8	12	10	7	12
Saturday	11	8	8	12	10	7	12	9	13	11	8	13
Sunday	12	9	9	13	11	8	13	10	14	12	9	14
Monday	13	10	10	14	12		14	11	15	13	10	15
Tuesday	14	11	11	15	13	10	15	12	16	14	11	16
Wednesday	15	12	12	16	14	11	16	13	17	15	12	17
Thursday	16	13	13	17	15	12	17	14	18	16	13	18
Friday	17	14	14	18	16	13	18	15	19	17	14	19
Saturday	18	15	15	19	17	14	19	16	20	18	15	20
Sunday	19	16	16	20	18	15	20	17	21	19	16	21
Monday	20	17	17	21	19	16	21	18	22	20	17	22
Tuesday	21	18	18	22	20	17	22	19	23	21	18	23
Wednesday	22	19	19	23	21	18	23	20	24	22	19	24
Thursday	23	20	20	24	22	19	24	21	25	23	20	25
Friday	24	21	21	25	23	20	25	22	26	24	21	26
Saturday	25	22	22	26	24	21	26	23	27	25	22	27
Sunday	26	23	23	27	25	22	27	24	28	26	23	28
Monday	27	24	24	28	26	23	28	25	29	27	24	29
Tuesday	28	25	25	29	27	24	29	26	30	28	25	30
Wednesday	29	26	26	30	28	25	30	27		29	26	31
Thursday	30	27	27		29	26	31	28		30	27	
Friday	31	28	28		30	27		29		31	28	
Saturday			29	31		28		30			29	
Sunday		30				29		31			30	
Monday			31			30						
Tuesday												
Wednesday												
Thursday												

2014

	Workshop Committee / Panel / Forum meeting	Seminar Council meeting	Conference / Symposium Main holiday	Other event Clocks change
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