



MEETING SUMMARY

3rd Meeting of the Arctic Shipping Best Practice Information Forum

3-4 June 2019
United States Embassy, London, United Kingdom

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We gratefully acknowledge the support from the Nordic Council of Ministers.

Meeting Summary

The Arctic Council's Arctic Shipping Best Practice Information Forum (the Forum) convened on 3-4 June 2019 for the third time since its inception in 2017, and for the first time since Iceland assumed Chairmanship of the Arctic Council. 'From Theory to Practice' was the overarching theme of the meeting with presentations oriented around practical experiences in implementing the Polar Code, with a particular focus on successes, impediments, and remaining challenges. The meeting commenced with opening remarks by distinguished delegates, including a video address by the Secretary-General of the IMO.

Over the course of the day-and-a-half meeting, presentations focused on the unique experiences gained by Arctic States, shipowners, classification societies and intergovernmental organizations in implementing, complying with and/or making information available to support implementation of or compliance with the Polar Code.

Representatives of the Forums' Organizing Committee jointly presented on the development of the web portal (www.arcticshippingforum.is), identifying changes in design and layout (based largely on user feedback), and noting the overall increase in web traffic since initially launching. The presenters also highlighted the significant increase in hyperlink submissions, as well as the time and effort required to maintain and update this information online. This prompted discussions on the long-term sustainability of the Forum and the need for further financial or in-kind support.

Indeed, before the meeting concluded, participants discussed the scheduling, logistics, and funding of future annual Forum meetings. There was a general recognition that additional support, including financial contributions, are necessary to help ensure the continued viability and vitality of Forum meetings. The Forum Coordinating Committee indicated its receptiveness to such support and committed to determining how any offers of financial contributions could be accepted consistent with applicable Arctic Council Rules.

The first focus session was on progress made to date in implementing the Polar Code.

The International Chamber of Shipping (ICS) and the Oil Companies International Marine Forum (OCIMF) provided an update on additional guidance under development in support of Polar Water Operations Manuals, whereas Aker Arctic advised on POLARIS – a methodology for determining a ship's operational capabilities and limitation in ice – noting the possible role the Forum could play in validating its efficacy. A new PAME effort to compile information on how Arctic States and Observer States understand and apply in practice the Polar Code was presented by Norway. A panel discussion focused on Polar Code implementation closed out this first session, with representatives from Stena, the American Bureau of Shipping (ABS) and Lloyd's Register joining the session presenters.

Building on the previous panel discussion, a second session on Polar Code implementation challenges followed focused primarily on efforts currently under way within various IMO sub-committees to address Polar Code provisions requiring further guidance or clarity. A representative of the IMO's Maritime Safety Division highlighted work on communications at high latitudes, and efforts being undertaken by the IMO Sub-Committee on Navigation, Communications and Search and Rescue (NCSR) to enhance the safety and efficiency of navigation via performance standards for navigation and communications equipment. Similarly, a representative from the Norwegian Maritime Authority spoke on efforts by the IMO Sub-Committee on Ships Systems and Equipment (SSE) to develop guidelines on life-saving appliances and arrangement for ships operating in polar waters. A panel discussion closed out this session, with a representative from DNV-GL joining to discuss Polar Code provisions considered challenging to meet, including provisions on maximum expected time of rescue.

The Human Element was a significant thread running throughout all discussions, though one culminating in its own dedicated focus session. A representative from the University of Stavanger presented on lessons learned from recent Norwegian Search and Rescue Exercises, particularly with respect to factors affecting survivability in Polar Regions. A presentation from the Russian Federation focused specifically on the crewing and training provisions contained in the Polar Code, while a representative from the Nautical Institute spoke on the importance of operator experience and consistent training and the benefits associated with Ice Navigators. An operator perspective was provided through a presentation by V.Ships Leisure S.A.M., underscoring the critical importance of training in reducing maritime accidents. A representative of the Arctic Coast Guard Forum accompanied the aforementioned presenters in a panel discussion that covered topics ranging from the application of indigenous knowledge, survivability, and concerns with inexperienced operators.

The second day of the meeting began with a panel session on voyage planning. A joint presentation by the Clean Arctic Alliance and Environmental Investigation Agency focused on the need for vessel operators to be aware of local marine mammals, potential impacts (e.g. pollution, noise, strikes) from shipping, and how the Forum can assist with mitigating these impacts. A representative from the Aborigin Forum highlighted the importance to indigenous people of sea ice and wildlife both on and under it. ABS concluded the session with a comprehensive presentation on applying the Polar Code (e.g., conducting operational assessments), some of the trends encountered with respect to destination and transit shipping, and ice design in shipbuilding. A representative from Lloyd's Market Association joined the panellists for a wide-ranging discussion covering insurance premiums, the consequences of an HFO ban in the Arctic, and POLARIS.

The final presentation was from the perspective of a maritime student using information contained within the Forum's web portal to conduct virtual voyage planning along the Northern Sea Route, and the benefits and shortcomings of the

information contained therein.

The Forum's complete agenda, list of participants and presentations can be accessed [here](#).

Annex I: 3rd Forum meeting agenda

MEETING AGENDA

3RD MEETING OF THE ARCTIC SHIPPING BEST PRACTICE INFORMATION FORUM

Polar Code Implementation: From Theory to Practice

3-4 June 2019 - U.S. Embassy, London

3 JUNE

09:00 - 09:30 Registration

09:30 Opening Remarks

- Forum Chair (Mr. Sverrir Konráðsson, Iceland)
- Welcome by the U.S. Embassy, London (Ms. Dena Brownlow)
- Video address (IMO Secretary General, Mr. Kitack Lim)
- Remarks by IMO (Mr. Frederick Kenney, Director, Legal Affairs and External Relations Division)

10:00 - 10:30

FOCUS: FORUM WEB PORTAL REVIEW

Reflecting Survey Responses Following 2018 Launch and Further Submissions

10:00 Forum Web Portal Presentation: PAME International Secretariat

Mr. Hjalti Hreinsson, Project Manager and Mr. Michael Kingston, Special Advisor

10:15 General Discussion

All participants

10:30 - 11:00 Coffee Break (Sponsored by American Bureau of Shipping)

11:00 - 12:15

FOCUS: POLAR CODE IMPLEMENTATION PROGRESS

11:00 Industry Developments Regarding Additional Guidance

Mr. Chris Oliver, International Chamber of Shipping (ICS) and Mr. Robert Bridges (Total Oil S.A.)

11:15 POLARIS Update

Mr. Rob Hindley, Aker Arctic

11:30 PAME Project on Polar Code Interpretation

Ms. Siv Christin Gaalaas, Ministry of Trade, Industry and Fisheries, Norway

11:40 Panel Discussion

In addition to session speakers, Swedish Shipowners Association (Mr. Åke Rohlén, STENA Rederi AB), Classification Society representatives (Mr. James Bond, American Bureau of Shipping & Mr. Mihailo Pavic, Lloyd's Register)

12:15 - 13:15 Lunch (Provided, at venue - Sponsored by American Bureau of Shipping)

13:15 - 14:00

FOCUS: POLAR CODE IMPLEMENTATION CHALLENGES

13:15 Communications in High Latitudes: Update from IMO Sub-Committee on Navigation, Communications and Search and Rescue

Mr. Sascha Pristrom, IMO Maritime Safety Division

13:30 Equipment – Operations in Polar Waters: Update from IMO Sub-Committee on Ship Systems and Equipment

Mr. Reinert Vestvik, Norwegian Maritime Authority

13:45 Panel Discussion

In addition to speakers, Classification Society representative (Mr. Morten Mejlander Larsen, DNV)

MEETING AGENDA

3RD MEETING OF THE ARCTIC SHIPPING BEST PRACTICE INFORMATION FORUM

Polar Code Implementation: From Theory to Practice

3-4 June 2019 - U.S. Embassy, London

14:00 - 16:30

FOCUS: POLAR CODE - THE HUMAN ELEMENT

- 14:00 Search and Rescue (SARex)**
Mr. Knut Espen Solberg, University of Stavanger - GMC
- 14:15 Training - Arctic State Perspective**
Mr. Vladimir Kuzmin, Russian Federation
- 14:30 Training – Course Provider Perspective**
Mr. John Lloyd, Nautical Institute

14:45 - 15:15 Coffee Break (Sponsored by American Bureau of Shipping)

- 15:15 Training - Operator Perspective**
Mr. Francesco Santangelo, VShips Leisure S.A.M.
- 15:30 Panel Discussion**
Speakers joined by Arctic States representatives/Mr. Auðunn Kristinsson, Arctic Coast Guard Forum

16:30 Wrap up and Announcements

17:00 - 19:00

RECEPTION AT VENUE (Sponsored by American Bureau of Shipping)

4 JUNE

- 09:00 Day 1 Recap**
Mr. Sverrir Konráðsson, Forum Chair

09:15 - 10:30

FOCUS: PERSPECTIVES ON VOYAGE PLANNING

- 09:15 Environmental NGO Perspective**
Dr. Sian Prior, Clean Arctic Alliance - Antarctic & Southern Ocean Coalition and Mr. Dan Hubbell, Environmental Investigation Agency
- 09:30 Indigenous Perspective**
Mr. Eduard Zdor, Aborigen Forum
- 09:45 Operator Perspective**
Mr. James Bond, American Bureau of Shipping
- 10:00 Panel Discussion**
In addition to speakers, marine insurance industry representative (Mr. Neil Robert, Lloyd's Market Association)

10:30 - 11:00 Coffee Break (Sponsored by American Bureau of Shipping)

11:00 - 12:00

FOCUS: INITIAL IMPLEMENTATION SUCCESSES AND REMAINING CHALLENGES

- 11:00 Maritime Student's Perspective: Virtual Route Planning from Hamburg to Norilsk**
Ms. Katharina Kaiser, Jade University of Applied Sciences, Elsfleth, Germany
- 11:10 General Discussion**
- Identification of successes and challenges
 - Identification of Forum Web Portal information needs and gaps
 - Proposals for further raising the Forum's public profile
- 11:55 Next Steps**
Mr. Peter Oppenheimer and Mr. Drummond Fraser, PAME Shipping Expert Group (SEG) Co-Chairs

12:00

MEETING ADJOURNS (Forum Chair)

Annex II: Registration for the third meeting of the Arctic Shipping Best Practice Information Forum 3-4 June 2019

No.	First name	Last name	Email Address	Organization/Affiliation	Job title	Country
1	Andreas	Kjoel	andreas.kjol@kystverket.no	Norwegian Coastal Administration	Senior Advisor	Norway
2	Andrés	Galván	agalvan@fomento.es	Embassy of Spain in London	Maritime Affairs Attaché	Spain
3	Anita	Mäkinen	anita.makinen@traficom.fi	Finnish Transport and Communications	Chief Advisor to the Director General of Maritime Sector	Finland
4	Anthony	Field	AField@wwf.org.uk	World Wildlife Fund - United Kingdom	Arctic Sustainable Development Manager	UK
5	Auðunn	Kristinsson	audunn@lhg.is	Icelandic Coast Guard	Leading ACGF Secretariat	Iceland
6	Åke	Rohlen	ake.rohlen@arcticmarinesolutions.se	Arctic Marine Solutions	Chairman	Sweden
7	Barr	Turner	bturmer@cruising.org	Cruise Lines International Association (CLIA)	Senior Technical Advisor	United States
8	Brede	Valanes	brede@aeco.no	Association of Arctic Expedition Cruise Operators (AECO)	Marine Operations Agent	Norway
9	Camelo	Abela	carmelo.abela@emsa.europa.eu	European Maritime Safety Agency (EMSA)	Senior Project Officer for International Relations	Portugal
10	Chris	Oliver	chris.oliver@ics-shipping.org	International Chamber of Shipping	Nautical Director	United Kingdom
11	Christine	Kelly	christine.kelly@fco.gov.uk	Foreign & Commonwealth Office	Arctic Policy Officer	United Kingdom
12	Dan	Hubbell	dhubbell@eia-global.org	Environmental Investigation Agency	Policy Analyst	
13	Dena	Brownlow	brownlowdd@state.gov	US Embassy London	Counselor for Environment, Science, Technology and Health	United States
14	Drummond	Fraser	drummond.fraser@tc.gc.ca	Transport Canada	Advisor	Canada
15	Eduard	Zdor	eduard.zdor@gmail.com	Aborigen Forum	Representative	
16	Edwige	Cavan	edwige.cavan@diplomatie.gouv.fr	French Ministry of Foreign Affairs (MEAE)		France
17	Eero	Hokkanen	eero.hokkanen@lvm.fi	Ministry of Transport and Communications, Finland	Senior Specialist	Finland
18	Francesco	Santangelo	francesco.santangelo@vships.com	VShips Leisure Sam	HSEQ & Training Manager	Monaco
19	Frederick	Kenney	fkenney@imo.org	Legal Affairs and External Relations Division	Director	United States
20	George	Charalampidis	georgios.charalampidis@ics-shipping.org	International Chamber of Shipping (ICS)	Research Officer	United Kingdom
21	Gillian	Grant	gillian.grant@international.gc.ca	High Commission of Canada	Counsellor and Alternate Permanent Representative of Canada to IMO	Canada
22	Henry	Burgess	henry.burgess@bas.ac.uk	International Arctic Science Committee (IASC)	IASC Vice-President & Head of the NERC Arctic Office (UK)	United Kingdom
23	Hjalti	Hreinsson	hjalti@pame.is	PAME Secretariat	Project Manager	Iceland
24	Ian	Lancaster	ian.lancaster@maritimenz.govt.nz	Maritime New Zealand	Principal Advisor International	New Zealand
25	Jaideep	Sirkar	jaideep.sirkar@uscg.mil	United States Coast Guard	Naval Architect	USA
26	James	Gamble	jgamble@institutenorth.org	Northern Forum	Representative	United States
27	James	Bond	JBOND@EAGLE.ORG	American Bureau of Shipping	Director, Advisory Services	United States
28	Jan Reinert	Vestvik	JRVE@sdir.no	Norwegian Maritime Authority	Senior Surveyor	Norway
29	Jasbir	Jaspal	jjaspal@register-iri.com	Republic of the Marshall Islands	Deputy Commissioner Maritime Affairs	Republic of the Marshall Islands
30	Jim	Butler	james.butler@alaskaseas.org	Alaska Maritime Prevention & Response Network	Director, External & Regulatory Affairs	United States
31	John	Lloyd	john.lloyd@nautinst.org	The Nautical Institute	Chief Executive	United Kingdom
32	John	Miller	john.h.miller@uscg.mil	U. S. Coast Guard	Commander	United States
33	Jonathan	Power	jonathan.power@nrc-cnrc.gc.ca	National Research Council of Canada	Research Council Officer	Canada
34	Jonathan	Reynolds		United Kingdom	Meeting Rapporteur	
35	Jonathan	Justi	Jonathan.Justi@noaa.gov	Arctic Regional Hydrographic Commission	International Specialist	USA

No.	First name	Last name	Email Address	Organization/Affiliation	Job title	Country
36	Justin	Kim	jdkim65@kmi.re.kr	Korea Maritime Institute	Director General of Industry Intelligence and Strategy Research Division	Republic of South Korea
37	Jürgen	Holfort	Juergen.holfort@bsh.de	German federal maritime agency (BSH)	Head of ice service	Germany
38	Katharina	Kaiser	katharina.kaiser@sbg.at	Student of the Jade University of Applied Sciences in Elsfleth	Invited Speaker	Austria
39	Kevin	Gregory	kevin.gregory@iala-aism.org	The International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA)	Education and Development Manager	
40	Kevin	Clarke	kevin.clarke@lloyds.com	Lloyd's	Manager, Salvage Arbitration Branch and Certificate Office	United Kingdom
41	Knut Espen	Solberg	knut.espen.solberg@gmc.no	University of Stavanger/GMC	Principal Specialist Winterization	Norge
42	Ko	Taguchi	taguchi-k2sd@mli.go.jp	Ministry of Land, Infrastructure, Transport and Tourism	Technical Official, Ship Safety Standards Office, Safety Policy Division, Maritime Bureau	Japan
43	Laura	De La Torre	laura.delatorre@ospar.org	OSPAR	Deputy Secretary	United Kingdom
44	Luca	Laloli	luca.laloli@eda.admin.ch	Embassy of Switzerland	Diplomatic officer	Switzerland
45	Maribeth	Murray	murraym@ucalgary.ca	Arctic Institute of North America	Executive Director and Professor	Canada
46	Markus	Karjalainen	markus.karjalainen@ftia.fi	Finnish Transport Infrastructure Agency	Chief Maritime Specialist	Finland
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50	Mikko	Niini	mikko.niini@kolumbus.fi	Arctic Economic Council	Chair Maritime Transportation WG	Finland
51	Morten	Mejlænder-Larsen	morten.mejlaender-larsen@dnvgl.com	DNV GL	Director Arctic Operation	Norway
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54	Olivier	Faury	ofaury@em-normandie.fr	École de management de Normandie		France
55	Pernille Palmelund	Sørensen	pps@dma.dk	Danish Maritime Authority	Special Adviser	Kingdom of Denmark
56	Peter	Oppenheimer	Peter.Oppenheimer@noaa.gov	National Oceanic and Atmospheric Administration	Chief, International Section, Office of General Counsel	USA
57	Pier	Taranti	Pier.Taranti@imso.org	International Mobile Satellite Organization	Technical Adviser	
58	Piotr	Graczyk	pigr@norceersearch.no	NORCE Norwegian Research Centre	Research Scientist	Poland
59	Randolph	Sliester	ranies@bas.ac.uk	British Antarctic Survey	Ship Operations Manager	United Kingdom
60	Rob	Hindley	rob.hindley@akerarctic.fi	Aker Arctic	Head of Machinery & Structures	Finland
61	Robert	Bridges	robert.bridges@total.com	Oil Companies International Marine Forum (OCIMF)	Engineer	France
62	Ronnie	Allen	Ronald.Allen@mcga.gov.uk	Maritime and Coastguard Agency	Policy: Ship Structures and Stability	United Kingdom
63	Roger	Evans	rogerevans@marine-salvage.com	The International Salvage Union (ISU)	Secretary General	United Kingdom
64	Samuel	Soo	Samuel_SOO@mpa.gov.sg	Maritime and Port Authority of Singapore	First Secretary (Maritime)	Singapore
65	Sandra	Allnutt	sallnutt@imo.org	International Maritime Organization (IMO)	Head, Marine Technology and GBS	United Kingdom
66	Sarah	Lagger	sarah.lagger@eda.admin.ch	Embassy of Switzerland	Policy officer	Switzerland
67	Sascha	Pristrom	spristro@imo.org	International Maritime Organization (IMO)	Technical Officer - Marine Technology Section	n/a
68	Sergey	Tolmachev	imo@mintrans.ru	Mission of the Russian Federation to the IMO	Counsellor	Russian Federation
69	Sergio	Allard	sergio.allard87@me.com	Permanent Mission of Panama to the IMO	Technical Adviser	Panama
70	Sian	Prior	sianprior9@hotmail.com	Clean Arctic Alliance	Lead Advisor	
71	Siv Christin	Gaalaas	scg@nfd.dep.no	Norwegian Ministry of Trade, Industry and Fisheries	Specialty Director, International maritime regulations and polar affairs	Norway
72	Soffia	Guðmundsdóttir	pame@pame.is	PAME Secretariat	Executive Secretary	Iceland
73	Sverrir	Konráðsson	sverrir@samgongustofa.is	Icelandic Transport Authority	Maritime Specialist - Legal Coordination and Translations	Iceland

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76	Vanda	Chrapovickaja	vanda.chrapovickaja@stkittsnevisregistry.net	St. Kitts & Nevis International Ship Registry	External and Regulatory Affairs Executive	
77	Vladimir	Kuzmin	Vladimir.E.Kuzmin@gmail.com	Administration of the Baltic Sea Ports	PSC Inspector	Russian Federation
78	Zoran	Sovagovic	zoran.sovagovic@lr.org	Lloyd's Register	Structural Team Lead	Canada



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