

NAVIGATING THE FUTURE

ANNUAL REVIEW 2016 / 17



*BIG
DATA*



*CYBER
SECURITY*



TURN ON



*GREEN
SHIPPING*



*SMART
SHIPPING*

AT A GLANCE



460+

SSA Members



1,372

Members in the Young Executives Group (YEG)



17

Executive Development Programme
Training Courses



290+

Maritime Executives Trained

255



Operational Committee Members contributing industry expertise, working in close collaboration with MPA, to address key issues of concern to Singapore's maritime sector

Extended concessionary CAT 4 port dues from **90 to 180 days**

Facilitated the smooth implementation of the mandatory usage of **Mass Flow Meter (MFM)**

Designed and implemented **MFM mandatory training courses** for both administrative and technical roles

Initiated the **Ballast Water Management exemption plan** for the ASEAN region under the Kuala Lumpur Strategic Transport Plan

Established the **MPA-SSA Safety of Navigation Working Group** resulting in smoother vessel traffic flow, reduction in delays and improvement in the safety of navigation in Singapore waters



Spearheaded the **Industry Transformation Map (ITM)**, in the redesign/simplification of work process to enhance application of analytics, paving way for a smart workforce

Co-developed an **Asia Regional Guide on Best Practice to Counter Piracy**

Achieved a total of **475 ships now insured** under SWRM, bringing greater independence and clout to Singapore as an insurance/reinsurance market.

Lobbied and refined ICA processes for a **smoother immigration crew clearance**

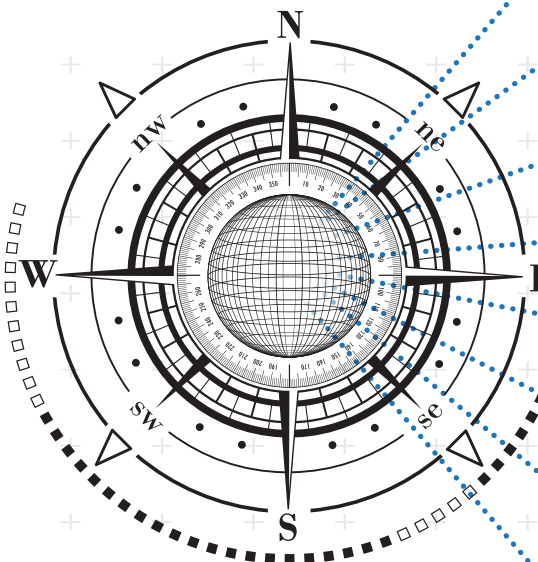
SSA-MARITIMEONE SCHOLARSHIPS AWARDED TO STUDENTS



>> \$40,000 >>



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PORT & SHIPPING STATISTICS

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MCI (P) 090/03/2017

SSA SINGAPORE
SHIPPING
ASSOCIATION

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SSA MISSION STATEMENT >>



AS AN ASSOCIATION

The Association will protect and promote the interests of its members. It will undertake activities on maritime related matters which are beneficial to its members.



FOR THE INDUSTRY

The Association will take the view of the maritime industry as a whole. It will play its due role to promote the interests of shipping in Singapore and the rest of the world. To do so, the Association will co-operate and actively engage other maritime organisations both locally and globally.



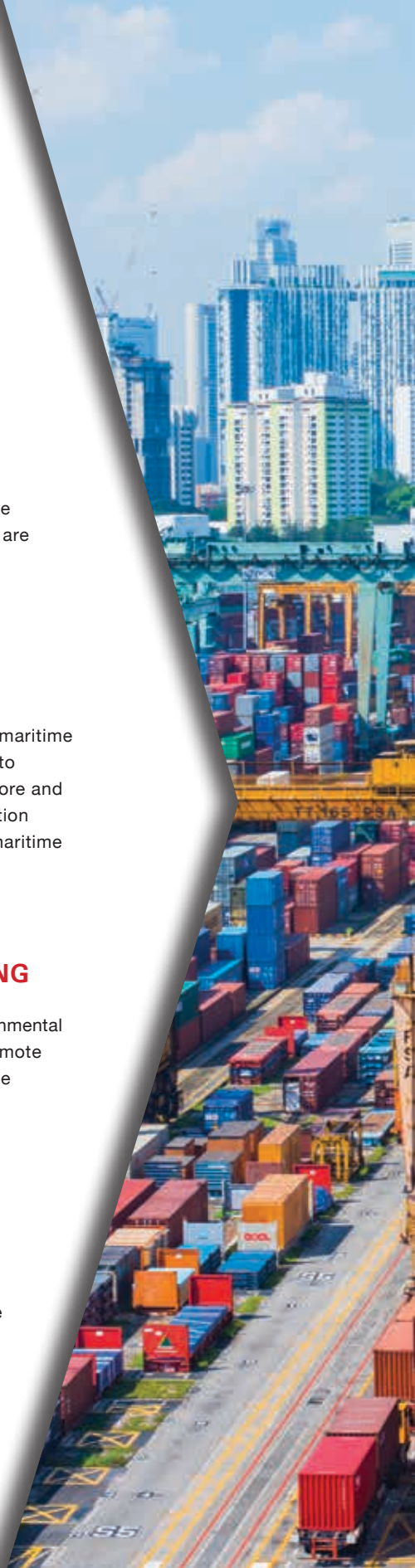
FOR INTERNATIONAL SHIPPING

The Association will co-operate with governmental and non-governmental organisations to promote freedom and safety at sea and to protect the marine environment.



FOR SINGAPORE

The Association will work closely with the Government of Singapore to protect the extensive maritime interests of Singapore and to promote Singapore as a major hub port and International Maritime Centre.







**“Promoting your interests
as we continue to enhance
Singapore’s competitiveness
as an International
Maritime Centre.”**

>> Mr. Esben Poulsson
PRESIDENT
Chairman
Enesel Pte Ltd

PRESIDENT'S FOREWORD »

As shipping enters another year battling what many have described as the most challenging economic conditions in generations, never has it been more important to place the needs of our membership at the centre of what we do. In these difficult times, the SSA must strike a balance between operating prudently while still delivering value to our members and this is why our Operational Committees and Sub-Committees continue to work hard, and focus their attention on the issues of most concern.

At a local level, we continue to work closely with the Maritime and Port Authority of Singapore (MPA), the Singapore Maritime Foundation (SMF) and other stakeholders to look at ways to increase productivity, streamline operational efficiencies and generally resolve any difficulties members may have encountered relating to operations and services in Singapore. And this work continues. Looking beyond Singapore, the SSA is a very active member of the Asian Ship Owner's Association and of the International Chamber of Shipping, and we continue to enjoy excellent working relationships with other international organisations represented here in Singapore such as BIMCO, IBIA, IMCA and INTERTANKO.

Regionally, we have pushed for the development of a common ASEAN Ballast Water exemption area while we have also been instrumental in contributing to the development of the ReCAAP Regional Guide to Counter Piracy and Armed Robbery against Ships in Asia.

The importance of the work undertaken by the International Maritime Organisation in formulating well thought out and binding global rules and regulations for shipping is acknowledged by all in the industry, and the SSA has worked hard to ensure that the views of our sector are not only heard in the corridors and plenary rooms of this important United Nations body, but that we reflect our members' views to the MPA who in turn remains an active and credible voice on Maritime Singapore's behalf at the IMO. Over the past year, we have focused on developments relating to the Ballast Water Convention, the IMO's decision to implement a global sulphur limit of 0.50% in 2020 and the ongoing discussions aimed at reducing CO2 emissions from ships, in line with the spirit of the COP21 Paris Agreement.

In line with our efforts, together with our fellow maritime stakeholders to further enhance Singapore's position as a leading International Maritime Centre, we believe that more needs to be done in the fields of ship finance and marine insurance. Our efforts on these two fronts are on-going and remain very much work-in-progress.

“ We continue to be very active in engaging all the relevant stakeholders in both fields and have also been engaging the Singapore Stock Exchange to help raise the profile of the Exchange with an eye to increasing Listings from the maritime sector. ”

We continue to be very active in engaging all the relevant stakeholders in both fields and have also been engaging the Singapore Stock Exchange to help raise the profile of the Exchange with an eye to increasing Listings from the maritime sector. In this respect, we strongly believe that ‘Maritime Singapore’ will be able to leverage off SGX’s recent successful acquisition of the Baltic Exchange and we look forward to playing our part in this regard. On the insurance front, the Singapore War Risk Mutual continues to grow steadily, and I believe our membership should be proud of our contribution to making this entity a reality.

Looking forward to 2017, SSA plans to continue its direct involvement in the Industry Transformation Map initiatives for the shipping sector. Under the S\$4.5 billion programme, roadmaps will be developed for 23 industries to address issues within each industry and deepen partnerships between Government, firms, industries, trade associations and chambers. The Council for Skills, Innovation and Productivity (CSIP) will take overall responsibility for the implementation of the ITMs. To do so, it is setting up six sub-committees, with each sub-committee overseeing a group of ITMs within the same broad cluster of industries.

For the maritime industry sector, SSA continues to work with MPA in formulating the Industry Transformation Map (ITM). This is done through our involvement with the Tri-Partite Maritime Manpower Resource Panel initiatives led by the MPA with the maritime sector ITMs. To these ITMs, the SSA is leading efforts to consult with the industry on Ship Agency and Technical Management roles. These endeavours seek to redesign work processes as well as the various certification and qualification criteria that will put us on a multi-year journey to be a centre of excellence in the respective areas. Both efforts are being assisted by the MPA, Institutes of Higher Learning (IHLs), employers and employees’ unions as well as the Skillsfuture Singapore agencies to ensure we put in place, a seeding programme that will give Maritime Singapore the relevant high value manpower it requires for the future. Complementing these efforts, the SSA is revamping its executive training courses to ensure the curriculum are kept relevant and future proofed.

Increasingly, we hear the term “disruptive technologies” being used, and as an Association, we must be ready to assist our members wherever possible in identifying and highlighting the many initiatives and ideas being developed at any one time. These come at a time when several segments of our industry remains under great regulatory and commercial pressure and as such, whatever we can do to assist our membership, we must be ready to do.

Mr Esben Poulsson

PRESIDENT

Singapore Shipping Association





COUNCIL MEMBERS

2015/2017 >>

MR. ESBEN POULSSON



PRESIDENT
CHAIRMAN
ENESEL PTE LTD

MS. LISA TEO



**VICE PRESIDENT &
HONORARY SECRETARY**
EXECUTIVE DIRECTOR, CORPORATE
DEVELOPMENT
PACIFIC INTERNATIONAL LINES (PTE) LTD

MR. TAN CHIN HEE



VICE PRESIDENT & HONORARY TREASURER
EXECUTIVE DIRECTOR
PACIFIC CARRIERS LIMITED

"We must continue to strive to represent the collective views of our members for the betterment of our port, cruise and bunkering in Singapore."

- Continuous meaningful engagement between regulatory authorities and associations
- Innovative ideas and standards to increase productivity and efficiency of the port of Singapore

MS. CAROLINE YANG



COUNCILLOR
EXECUTIVE DIRECTOR, LEGAL & FINANCE,
SAFETY & TRAINING
HONG LAM MARINE PTE LTD

Be brave! Managing uncertainty with an open mind. Be adaptive to changes.

MS. KATIE MEN



COUNCILLOR
MANAGING DIRECTOR
ISEACO INVESTMENT PTE LTD

“Markets are low... but let’s continue to aim high to be an International Maritime Financial Hub”

- To make Singapore the choice location for maritime companies to raise monies
- To develop a vibrant platform in Singapore where we can attract and match potential investors with maritime companies seeking capital

MR. LEE KENG MUN



COUNCILLOR

HEAD OF SHIPPING ASIA
HSH NORDBANK AG, SINGAPORE BRANCH

MR. STEEN BRODGAARD LUND



**COUNCILLOR & CHAIRMAN OF
TECHNICAL COMMITTEE**

REGIONAL MANAGER SOUTH EAST ASIA &
PACIFIC MARITIME
DNV GL

MS. LAO MEI LENG



**COUNCILLOR & CHAIRMAN OF YOUNG
EXECUTIVES GROUP COMMITTEE**

PARTNER
MOORE STEPHENS LLP

MR. RENE PIIL PEDERSEN



**COUNCILLOR & CHAIRMAN OF
INTERNATIONAL COMMITTEE**

MANAGING DIRECTOR
A P MOLLER SINGAPORE PTE. LTD.

MR. LIM SIM KEAT



**COUNCILLOR & CHAIRMAN OF
SERVICES COMMITTEE**

MANAGING DIRECTOR, TRANSPORT LOGISTICS
IMC SHIPPING CO PTE LTD

MRS. GINA LEE-WAN



**COUNCILLOR & CHAIRMAN OF LEGAL
& INSURANCE COMMITTEE**

PARTNER
ALLEN & GLEDHILL LLP

**COUNCILLOR & CHAIRMAN OF
OFFSHORE SERVICES COMMITTEE**

CHIEF EXECUTIVE OFFICER
M3 MARINE GROUP PTE LTD

CAPT. MIKE MEADE



SSA SECRETARIAT »

“It’s been both challenging and exciting at the same time for Shipping, and we are at the cusp of a new wave of change. I am glad to have the support and energy from our Members, and the Secretariat Staff.”



MICHAEL PHOON
Executive Director



LIM BEE LIAN
Accounts Manager



CAPT. ANG CHIN ENG
Technical Director



KELLY TAN
Corporate Communications
Director



QUEK TSUI CHIANG
Assistant Manager

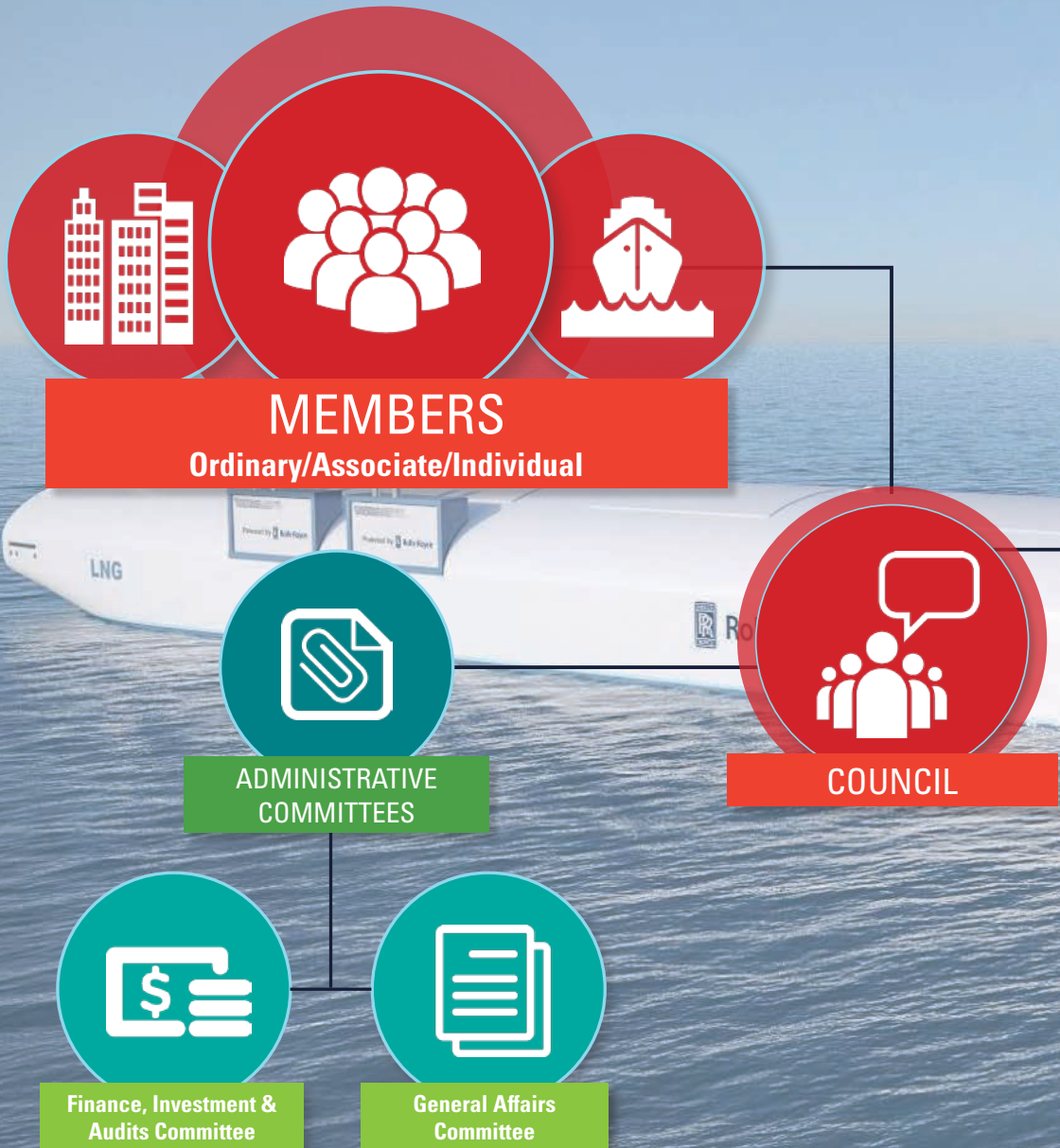
“I am thrilled to be a part of the Singapore Shipping Association and I hope I can add value to the team, by imparting my commercial experience.”

“Working with a passionate group of committee members is a rewarding experience. I am proud to be part of this team that are influencing some of these policies that are instrumental to the success of Singapore as a leading IMC.”



“Seeing the vibrant shipping industry coming together and working with so much diversity is very fulfilling for me.”

ORGANISATIONAL CHART »





SUB-COMMITTEES TO OPERATIONAL COMMITTEES

01

- Training Development & Education Sub-Committee

02

- Ship Operations & Port Services Sub-Committee
- Bunkering Sub-Committee
- Cruise Sub-Committee

03

- Operations, Training & Manning Sub-Committee
- Maritime Safety & Security Sub-Committee

04

- Tax Sub-Committee

ACTIVITIES REPORT



SSA ACTIVITIES COMMITTEE »

Annual General Meeting

The SSA 20th Annual General Meeting was held on 20th June 2016 at the Marina Mandarin Hotel Singapore. It was attended by 105 Ordinary members and 24 Associate members. The Meeting adopted the SSA Annual Report 2015/2016 and Financial Report ended 31 December 2015.

The AGM re-appointed M/S Rohan Mah and Partners LLP as the Association's external auditors and M/S Allen and Gledhill LLP as its honorary legal advisor for 2016/2017.

In the interest of renewing the Association and to make way for new blood as part of SSA's succession planning, it was informed that Mr. Ong Kok Wah would be stepping down from the SSA Board of Trustees. The AGM re-appointed Mr. Teo Siong Seng, Mr. Aloysius Seow and Mr. Patrick Phoon to the SSA Board of Trustees. Ms Lisa Teo Lay Seng was also appointed as an additional trustee, and there were no objections.





Council

Currently, the composition of SSA Council Members (2015/2017) are as follows:

President	Mr. Esben Poulsson, Chairman, Enesol Pte Ltd
Honorary Secretary, Vice President and Chairman of General Affairs Committee	Ms. Lisa Teo Executive Director, Corporate Development Pacific International Lines (Pte) Ltd
Honorary Treasurer, Vice President and Chairman of Finance, Investment and Audit Committee	Mr. Tan Chin Hee Executive Director, Pacific Carriers Limited
Chairman of International Committee	Mr. Rene Piil Pedersen Managing Director, A. P. Moller Singapore Pte Ltd
Chairman of Legal and Insurance Committee	Mrs. Gina Lee-Wan Partner, Allen and Gledhill LLP
Chairman of Offshore Services Committee	Capt. Mike Meade Chief Executive Officer, M3 Marine Group Pte Ltd
Chairman of Services Committee	Mr. Lim Sim Keat Managing Director, Transport Logistics, IMC Shipping Co Pte Ltd
Chairman of Technical Committee	Mr. Steen Brodsgaard Lund (wef 1 July 2016) Regional Manager South East Asia & Pacific Maritime, DNV GL Technology Centre
Chairman of YEG Committee	Ms. Lao Mei Leng Partner, Moore Stephens LLP
Council Members	Ms Caroline Yang Executive Director, Legal & Finance, Safety & Training Hong Lam Marine Pte Ltd
	Ms. Katie Men Managing Director, Iseaco Investment Pte Ltd
	Mr. Lee Keng Mun Head of Shipping Asia, HSH Nordbank AG, Singapore Branch



“Cementing our stand as an IMC”

- Foster strong relationships within the shipping community, braving through the currents collectively.

» **Ms. Lisa Teo**

VICE PRESIDENT & HONORARY SECRETARY

Executive Director,
Corporate Development
Pacific International Lines (Pte) Ltd

GENERAL AFFAIRS COMMITTEE »

The General Affairs Committee was headed by the Vice President and Honorary Secretary, Ms. Lisa Teo and supported by Councillor, Ms. Katie Men. All matters relating to the Association's public relations, collaterals, social activities and the Secretariat's administrative affairs comes under her purview.

Membership

266
ORDINARY
MEMBERS

»

186
ASSOCIATE
MEMBERS

»

8
INDIVIDUAL
MEMBERS

As of 1 March 2017, the Membership of the SSA stood at 460 members, of whom 266 are Ordinary Members, 186 are Associate Members and 8 individual members. The Association also has 4 Honorary Members, namely: Mrs Lim Hwee Hwa, Mr. Ong Kok Wah, Mr. Yeo Cheow Tong and Mr. Lui Tuck Yew. Since the last AGM in June 2016, the Association welcomed 19 new members.

SSA Secretariat

The SSA Secretariat is headed by Executive Director, Mr. Michael Phoon, supported by a staff strength of 12. The staff also provides a range of secretarial support to the Singapore Maritime Employers Federation (SMEF), the Federation of ASEAN Shipowners' Association (FASA) and the Safe Navigation and Environment Committee (SNEC) of the Asian Shipowners' Association (ASA).



Corporate Communications

The corporate communications team is responsible for the branding and public relations (PR) of the SSA. We endeavour to engage our members via various communication channels including email, website and social media platforms. Besides communication, the team is also responsible in organising all events: talks, seminars, social and community outreach events for SSA.

In 2017, we embarked on a digitalisation exercise in introducing a digital platform for members to update their company profile and details, as well as fleet data. This is part of the new thrust of SSA, in harnessing technology and to be more effective in its marketing reach through data analytics and consequently more targeted and focused programs.

SSA continues to maintain its website at www.ssa.org.sg. Regular updates on latest activities such as seminars, talks, courses, social events and shipping related information are also made available on the website.



The Association publishes a quarterly newsletter, “WAVES” which is distributed both electronically and on hardcopy to all SSA members and the maritime community at large. In 2017, you may notice a new refreshed look to “WAVES”, which is more personal and engaging. Over the last year, the topics covered include Safety at Sea, Ballast Water Management Convention, Sailing Windward: the economic realities of modern shipping and the latest issue on Women in Shipping.



Strong Relations at Home and Abroad

» Relations with Local Bodies

In its effort to promote the business interests of its members and to enhance Singapore's status as an IMC, the SSA maintains strong working relationships with various relevant government agencies such as Maritime and Port Authority of Singapore, the Singapore Customs, the Immigration and Checkpoints Authority, the Republic of Singapore Navy, and the Police Coast Guard.

In addition to conducting regular dialogue sessions to resolve industry-wide shipping problems and to ensure a common understanding of the needs and issues within the industry,

SSA is represented via advisory committees, working committees of several government statutory departments and various Board representations. In return, some of these government agencies are also invited to participate in several SSA committees as observers.

On an operational level, SSA continues to work closely with key maritime stakeholders and government agencies to help streamline operations, address technical concerns and rationalize costs, with a view towards maintaining Singapore's competitiveness.

Close working relationships are also maintained with the Association for Singapore Maritime Industries, Singapore



▶ ASEAN Shipowners Federation Safe Navigation and Environment Committee

Maritime Foundation, Singapore Maritime Officers' Union, the Singapore Organisation of Seamen, the Singapore National Shippers' Council and Singapore Maritime Academy.

SSA is also a member of the Singapore Business Federation and the Singapore Chinese Chamber of Commerce and Industry.

» Relations with Foreign Bodies

SSA is also an active participant and member in the regional and international fora. On the regional front, the SSA is a member of the Federation of ASEAN Shipowners' Associations (FASA). Collectively, FASA is a member of the Asian Shipowners' Association (ASA).

The Association has been busy on international engagements and is a recognised dialogue partner with ASEAN nations (including China, Korea and Japan) to develop and implement the longer term plans of an ASEAN Single Shipping Market (ASSM). SSA is an integral partner architecting the blueprint on growing the Asian shipping market.

SSA also holds executive positions at the various forums it participated. Ms. Lisa Teo, SSA Vice-President and Honorary Secretary is the current FASA chairman while Mr. Michael Phoon, Executive Director of SSA is the Secretary General for FASA. In the past year, the SSA participated in the 42nd Annual General Meeting of FASA and the 50th FASA Executive Committee Meeting – both meetings held in Singapore on 28 November 2016.

In addition, Mr. Patrick Phoon, ASA Treasurer also holds the deputy chairmanship of the ASA Safe Navigation

and Environment Committee (SNEC) under FASA. The SSA hosted both the 31st and 32nd Interim Meetings of SNEC in Singapore and Fukuoka, Japan, on 16 September 2016 and 9 March 2017 respectively. SSA President, Mr. Esben Poulsen is Chairman of ICS. SSA Vice-President and Honorary Treasurer, Mr. Tan Chin Hee represents Singapore at ICS.

SSA also continues to nurture good working relationships with various international organisations such as the International Maritime Organisation (IMO), the International Association of Independent Tanker Owners (INTERTANKO), the Baltic and International Maritime Council (BIMCO), the International Association of Dry Cargo Shipowners (INTERCARGO), the Oil Companies International Marine Forum (OCIMF), the International Group (IG) of P & I Clubs and the International Association of Classification Societies (IACS).

In its ongoing efforts to help safeguard ships and seafarers, the SSA also maintains strong working relationships with the Regional Agreement on Combating Piracy and Armed Robbery against Ships in Asia (ReCAAP) Information Sharing Centre (ISC) and the multi-national Information Fusion Centre (IFC) based in Singapore. To date, SSA has contributed to the publication of a Guide on Best Practice against Counter Piracy in light of the spike in piracy incidences in 2014. The committee was most gratified to note at the recent ReCAAP Nautical Forum, that the situation in the Straits of Malacca and Singapore saw a drop of number of incidents from **104 in 2015 to two in 2016**; and number of incidents of oil siphoning incidents decrease from **12 in 2015 to three in 2016**.



► MMRP Ship Agency Productivity Workshop

Supporting Manpower Development Initiatives

» SkillsFuture

The SSA secretariat staff and key stakeholders have been representing maritime employers at tripartite meetings of the Maritime Manpower Taskforce (Sea), Maritime Manpower Taskforce (Shore) and Transport (Sea) Sectoral Tripartite Committee, chaired by Mr. Andrew Tan, Chief Executive of MPA.

To support the Maritime Manpower Taskforce (Shore), more than 20 SSA members form 3 Maritime Manpower Resource Panels (MMRP): MMRP Ship Agency, MMRP Technical Management segment and Shipowning/operating and broking. Over the last year, SSA and its members were actively involved in the MMRP for the Ship Agency and Technical Management segments. Some of the progress are mentioned below.

Under the MMRP Ship Agency, headed by Mr. Patrick Phoon, Deloitte Risk Advisory was appointed as consultants to embark on a Business Process Improvement Consultancy Study for Ship Agencies. The MMRP Ship Agency aims to address critical manpower issues and propose enhancements to ship agency workflows in order to improve the sector's productivity. The project kicked off with the MMRP Ship Agency Productivity Workshop on 20th September 2016. More than 30 members from ship agencies of varying sizes participated in the workshop. The project is expected to be completed by May 2017.

The MMRP Technical Management, headed by Mr. Steen Lund has been working on developing a maritime superintendent training course, which aims to provide multiple career and

training pathways for both seafaring and other related professionals to progress towards obtaining an approved certification and credentials as Maritime Superintendents. This is still work in progress and the course is expected to be launched in October 2017.

» Training in Maritime

SSA continues to participate in various initiatives and programmes for the continual upskilling of manpower.

The Association partners Workforce Singapore (WSG), Singapore Maritime Officers' Union (SMOU), Employment and Employability Institute (e2i) and shipping companies for 2 training programmes: Tripartite Nautical Training Award (TNTA) and Tripartite Engineering Training Award (TETA). The TNTA enables Singaporeans and Singapore PRs to join the Maritime industry as CoC (Class 3) Deck Officers, while the latter grooms CoC (Class 5) Marine Engineers.



► MMRP Ship Agency Productivity Workshop

To address the long-term manning needs of the harbour craft sector, SSA also supports and works closely with MPA and key stakeholders to train Singaporeans to serve port- aboard limit vessels under the Marine Engineers Special Limits (MESL) and the Deck Officers Special Limits programme (DOSL). These courses aim to train Singaporeans to serve and as marine engineers and deck officers aboard vessels plying within Singapore's port limits.

The Association is appreciative of SSA members who have provided training berths for the seafaring cadets during their sea-phase training.



MaritimeONE

The SSA, together with its maritime partners, the Maritime and Port Authority of Singapore (MPA), Singapore Maritime Foundation (SMF) and Association of Singapore Marine Industries (ASMI), play an active role under the MaritimeONE initiative since its launch in April 2007. In 2017, the MaritimeONE will be commemorating its 10 years' anniversary.

The main objective of the MaritimeONE partnership is to create awareness of the maritime industry, especially among students and the general public. Some of the activities include industry awareness talks, scholarship offers, student outreach events and regular networking events for employers and tertiary students.

Since 2013, the SSA has been spearheading the Maritime Experiential Programme project, mainly targeted at secondary school students. Students are brought on a learning journey to various maritime venues. This year, SSA will be leading a group of students on the MEP again in May.





Members' Networking Sessions

» SSA 31st Anniversary Gala Dinner

Along with Guest-of-Honour, Mr. Khaw Boon Wan, Coordinating Minister for Infrastructure and Minister for Transport; more than 1,800 people gathered at the Marina Bay Sands Grand Ballroom on the evening of 23 September 2017, to celebrate the 31st Anniversary of the Singapore Shipping Association. This is the second time Minister Khaw has graced a SSA event. The first event he attended was SSA's 17th Anniversary Gala Dinner in 2002.



At the event, members from the Young Executives Group (YEG) performed two songs: 'Easy' by Lionel Richie and 'From the Sea I'll Come Home' by Julian Clark.

» Cocktail Receptions

Besides the Annual Gala Dinner in September, the SSA also organised 3 Cocktail Receptions for its members to interact and network: the Annual General Meeting in June 2016, Year End Cocktail in December 2016 and Lunar New Year Cocktail in February 2017. The cocktail receptions were well attended and we saw a total attendance of more than 1500 pax for all 3 events.



Despite the challenging times, the SSA sincerely appreciates the generosity of its sponsors who had kindly sponsored the Association's Gala Dinner and Cocktail Receptions over the past year.

SSA would like to thank the following sponsors for their generous support:

- ▶ AET Shipmanagement (Singapore) Pte Ltd
- ▶ Assuranceforeningen Skuld (Gjensidig) Singapore Branch
- ▶ Jurong Port Pte Ltd
- ▶ LCH Lockton Pte Ltd
- ▶ Maersk Singapore Pte Ltd
- ▶ Nippon Kaiji Kyokai Singapore Pte. Ltd.
- ▶ Ocean Tankers (Pte) Ltd
- ▶ Orient Maritime Agencies Pte Ltd
- ▶ PSA Corporation Limited
- ▶ PSA Marine (Pte) Ltd
- ▶ The Standard Club Asia Ltd
- ▶ Veritas Petroleum Services (Asia) Pte Ltd
- ▶ Winning International Group Pte Ltd



Corporate Social Responsibility

Every year, the SSA Young Executives Group (YEG) organises regular community outreach events for the SSA community to give back to the society. Some of these events include: Pink Cocktail held in collaboration with the Breast Cancer Foundation, Movie and luncheon outing with children beneficiaries of the Children's Cancer Foundation as well as community support through Willing Hearts Soup Kitchen. In the last August, the Association also collaborated with Swire Pacific Offshore, Central Singapore CDC and Peace Connect in the mural painting (Project Painting Smiles) at the activity centre for elderly at Peace Connect.





Talks and Seminars

The Association organises talks and seminars regularly to keep members informed and up-to-date with the latest developments in the shipping industry. The events were well received, as members also see this as an opportunity for them to network with the shipping fraternity.

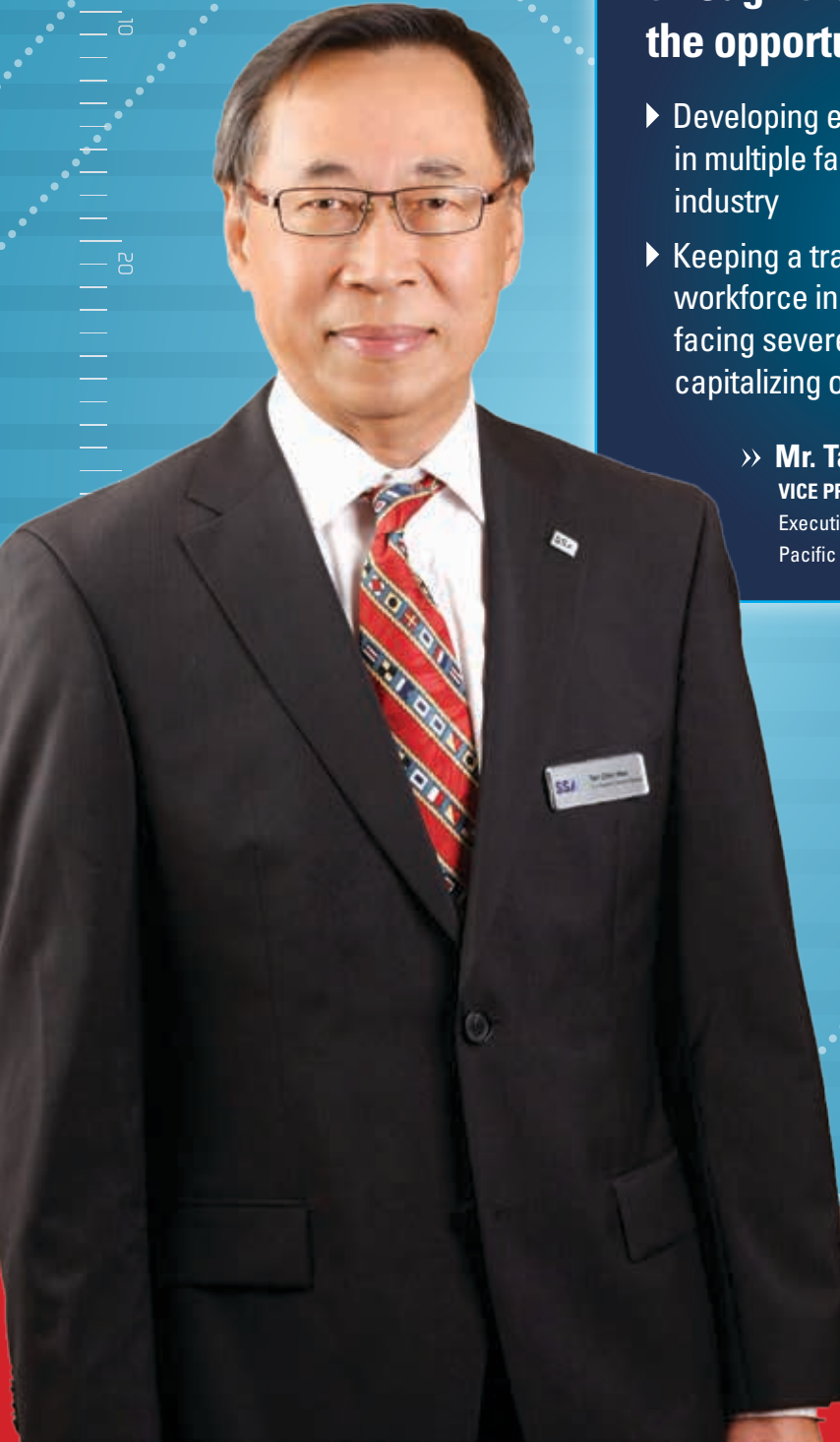
LIST OF FORUMS, TALKS AND SEMINARS – JULY 2016 TO APRIL 2017

	Date	Event	Speaker(s)	Venue
1.	1 August 2016	Industry Briefing Session on Maritime Cluster Fund (MCF) and SkillsFuture for Maritime Sector	<p>Tay Yeow Min – Assistant Director (Industry Manpower Development), Maritime and Port Authority of Singapore</p> <p>Bernice Chey – Assistant Manager (Industry Manpower Development), Maritime and Port Authority of Singapore</p> <p>Mr. Marcus Teo – Manager (Industry Manpower Development), Maritime and Port Authority of Singapore</p>	MPA Academy, PSA Building Level 25
2.	31 August 2016	SSA Seminar: Are you Ready for the Upturn?	<p>Peter Lyall – Head of Risk Insurance Services, Global Maritime Consultancy Pte Ltd</p> <p>Richard Bowcutt – Senior Vice President, Asia Pacific, Offshore and Merchant, Rolls-Royce Singapore Pte Ltd</p> <p>Arvind Mohan – General Manager, Business Development & Marine Operations, V. Ships Offshore (Asia) Pte Ltd</p> <p>Andrew Tang – Senior Shipbroker, Fearnley Offshore Supply</p> <p>EVENT MODERATOR Capt. Steven Foong – Regional Business Development Manager APAC, Global Maritime Consultancy Pte Ltd</p>	SSA Conference Room
3.	2 November 2016	Invitation: Lloyd's Open Day	<p>MARINE HULL Paul Hackett – Head of Marine, Aspen Syndicate, Marine Hull, Cargo & FAS</p> <p>Lewis Hart – Executive Director, Willis Singapore</p> <p>MARINE LIABILITY Colin Fordham – Senior Marine Liability Underwriter, Munich Re Syndicate</p> <p>KIDNAP AND RANSOM Tom Howard – Class Underwriter, Kidnap and Ransom, Talbot</p> <p>INTRODUCTION TO LLOYD'S Pavlos Spyropoulos – Senior Market Development Manager, Lloyd's</p>	Lloyd's @ CapitaGreen

LIST OF FORUMS, TALKS AND SEMINARS – JULY 2016 TO APRIL 2017

	Date	Event	Speaker(s)	Venue
4.	25 November 2016	Blue MBA / ShippingWatch Conference	<p><u>SPEAKERS</u></p> <p>H. E. Dorte Bech Vizard, Royal Danish Embassy</p> <p>Esben Poulsen – Chairman, International Chamber of Shipping, and President, Singapore Shipping Association</p> <p>Anne H. Steffensen – Director General and CEO, Danish Shipowners' Association</p> <p>Cheang Chee Kit – Managing Director of Singapore Terminals 1, PSA</p> <p>Jan Lauridsen – Managing Partner, Heidrick & Struggles</p> <p>Mark Charman – CEO, Faststream Recruitment</p> <p>Steen Brodsgaard Lund – Vice President, South East Asia, Oceania and India, DNV GL – Maritime</p> <p>Lars Jensen – CEO, Seaintelligence Consulting</p> <p>Andreas Nordseth – CEO, Danish Maritime Authority</p> <p><u>PANELLISTS/ MODERATORS</u></p> <p>Lisa Teo – Executive Director, Pacific International Lines Pte. Ltd</p> <p>David G. Palmer – CEO, Pareto Securities Pte. Ltd</p> <p>Lars Kyvsgaard – CEO, Kyvsgaard Consulting</p> <p>Tomas Kristiansen – Editor, ShippingWatch</p>	Holiday Inn Singapore Atrium, Atrium Ballroom Level 4
5.	6 April 2017	SSA Talk Series I	<p>John Sze – Deputy Managing Partner, Joseph Tan Jude Benny LLP</p> <p>Chay Yiowmin – Partner and Head of Corporate Finance, BDO Advisory Pte Ltd</p> <p>Leow Quek Shiong – Partner, Restructuring & Forensic, BDO Advisory Pte Ltd</p>	SBF Centre

In summary, the SSA Secretariat was kept busy with numerous activities as well as the regulatory changes that impacts the maritime industry. We look forward to another fulfilling year ahead with the continuous support from members.



“Steering the industry through the storm, seizing the opportunities...”

- ▶ Developing entrepreneurial talent in multiple facades of the maritime industry
- ▶ Keeping a trained and experienced workforce in a cyclical industry facing severe headwinds is key to capitalizing on the next upturn

» **Mr. Tan Chin Hee**

VICE PRESIDENT & HONORARY TREASURER

Executive Director

Pacific Carriers Limited

FINANCE, INVESTMENT, AND AUDIT COMMITTEE »

The Honorary Treasurer and SSA Vice-President Mr Tan Chin Hee, Executive Director of Pacific Carriers Ltd, led the Finance, Investment and Audit Committee, which oversees all matters pertaining to the Association's finances, investments, accounts audits and surplus of funds of the Association.

Based on the Auditor's report on the Accounts of the Association for the financial year ended 31 December 2016, the Association remains financially strong with an accumulated fund.





“Singapore must remain relevant to maintain its lead as a vibrant international maritime centre.”

- ▶ Build capabilities to secure and continue to enhance Maritime Singapore’s competitiveness
- ▶ Advance the liberalisation of trade to deepen international economic integration

» **Mr. Rene Piil Pedersen**
COUNCILLOR & CHAIRMAN OF
INTERNATIONAL COMMITTEE
Managing Director
A P Moller Singapore Pte. Ltd.

INTERNATIONAL COMMITTEE »

International Committee

The International Committee is chaired by Councillor Mr. Rene Piil Pedersen from A. P. Moller Singapore Pte. Ltd.

The International Committee focuses on the international competitiveness of the Singapore maritime cluster and addressed a number of issues during the 2015 to 2017 term. During the period in review, the key issues discussed are highlighted below:

» Trade Facilitation

ASEAN

The ASEAN Economic Community seeks to promote regional co-operation and deepen economic ties amongst the

members of the Association of Southeast Asian Nations. In this regard, the Committee looked into the opportunities that such an integration would bring to the Singapore maritime cluster and subsequently developed a Vision Paper on how liberalization of trade could help create opportunities in an ASEAN Single Shipping Market. The Paper also expresses the long-term aspirations and hopes of Singapore's shipping companies for an integrated ASEAN. This Vision Paper was shared with MPA and will serve as a reference for stakeholders in future discussions on SSA's long-term desires on trade facilitation.

Asian Maritime Connectivity

The Committee has listed out a comprehensive list of issues and challenges for enhanced maritime connectivity, as feedback to the Singapore Business Federation (SBF), who is part of the Asia-Pacific Economic Cooperation (APEC) Transportation Working Group. These inputs go toward the survey led by Japan in support of its self-funded project "Exploration on Strengthening of Maritime Connectivity".

» Singapore Competitiveness

Study on the Attractiveness of the Singapore Ship Registry

The Committee proposed that SSA commission an independent study to look into the Competitiveness of the Singapore Registry in order to maintain and further increase the attractiveness of Singapore as an International Maritime Centre (IMC).

The Study will among others, explore new ways to further streamline the current administrative and operational processes for companies, seeking to register their vessels under Singapore flag.



» Taxation framework for shipping and offshore

Tax Sub-Committee

Noting that a key ingredient to Singapore's success as a leading maritime and offshore cluster is her competitive taxation framework, the International Committee formed a Tax Sub-Committee.

Given that ships and offshore mobile units are meant to move amongst jurisdictions with differing tax rules, it is crucial to monitor taxation trends and developments on an international basis in order for Singapore to remain relevant as an International Maritime Centre.

Chaired by Ms. Elaine Ng from PricewaterhouseCoopers Singapore Pte. Ltd, the Tax Sub-Committee developed and presented extensive papers detailing the Association's Budget Wishlist for 2016 and 2017 based on the feedback received from the Members.

In addition, the Sub-Committee assisted in developing the questionnaire for the Study on the Attractiveness of the Singapore Registry of Ships.

**INTERNATIONAL COMMITTEE - 2015 TO 2017****Mr. Rene Piil Pedersen**
(Chairman)

Managing Director,
A P Moller Singapore Pte Ltd

Capt. Vibhas Garg
(Vice-Chairman)

Vice President, Head of Fleets,
BW Maritime Pte Ltd

Ms. Katie Men
(Vice-Chairman)

Managing Director,
Iseaco Investment Pte Ltd

Capt. R Janardhanan

QHSE GM,
Anglo-Eastern Shipmanagement
(Singapore) Pte Ltd

Ms. Evelyn Lim

Partner,
BDO LLP

Mr. Matthew Stoney

Regional Director,
BP Singapore Pte Ltd

Mr. Robert Maxwell

Managing Director,
Bernhard Schulte Shipmanagement
(Singapore) Pte Ltd

Dr. Alam Khorshed

Vice President,
DNV-GL - Singapore

Capt. Anil Singh

Director,
Eastern Pacific Shipping Pte Ltd

Mr. Aw Yong Woon

Senior Vice President,
HSH Nordbank AG, Singapore Branch

Mr. Jeremy Holbrook

Managing Director,
Hartmann Shipping Asia Pte Ltd

Mr. Jan Kuehnbaum

Managing Director,
H. Schultdt Shipbrokers (Asia) Pte Ltd

Mr. Lim Han

Executive Director, Operations,
Hong Lam Marine Pte Ltd

Capt. Deepak Khanchandani

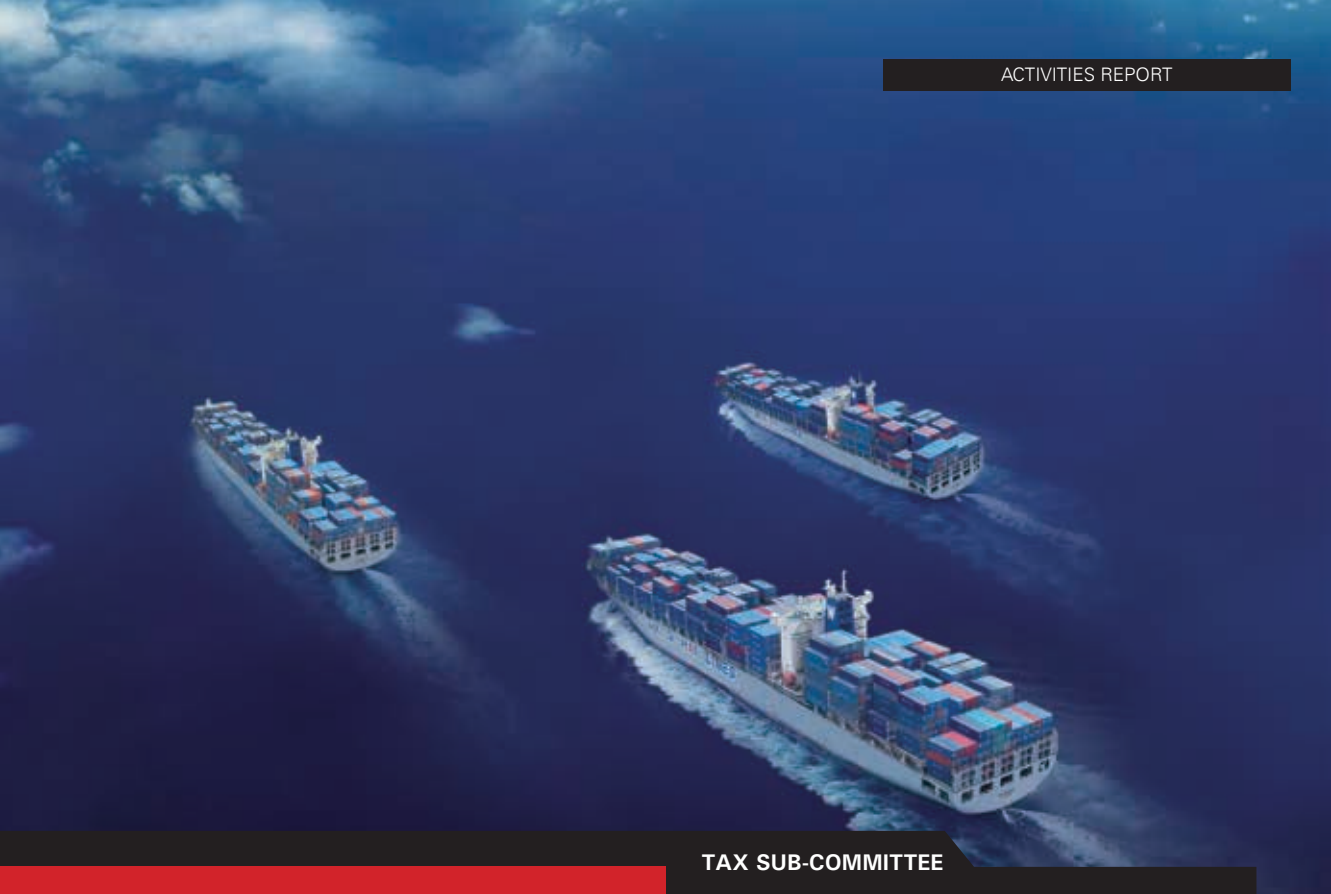
General Manager,
Inchcape Shipping Services (S) Pte Ltd

Mr. Ganesa Pillai Natarajan

Country Manager,
Indian Register Of Shipping

Mr. Ng Ee Ping

General Manager,
Kontiki Shipping Pte Ltd



TAX SUB-COMMITTEE

Ms. Shu Lim

General Manager - Group
Public Affairs,
Maersk Singapore Pte Ltd

Mr. Rajeev Pratap Singh

Head of Manning Office,
Maersk Tankers Singapore Pte Ltd

Mr. Nicholas F. Fisher

Chief Executive Officer,
Masterbulk Pte Ltd

Mr. Ng Kwang Chiau

Senior Vice President,
Ocean Tankers (Pte) Ltd

Ms. Elaine Ng

Partner,
PricewaterhouseCoopers Services LLP

Mr. Sanjeev Mathur

Fleet Commercial Manager,
Rio Tinto Shipping (Asia) Pte Ltd

Mr. Jason Berman

Senior VP (Global),
S5 Asia Pte Limited

Mr. George P. Kynigos

Partner & CFO,
Safe Ship Likyan Management
Singapore Pte Ltd

Capt. Abhishek Asija

General Manager,
Synergy Marine Pte Ltd

Mr. Colin Jarraw

Partner
Virtus Law LLP

Capt. Rahul Choudhuri

Managing Director – Asia,
ME & Africa,
Veritas Petroleum Services

Ms. Elaine Ng

Partner,
PricewaterhouseCoopers Services LLP

Mr. Tobias Pinker

Chief Financial Officer,
Bernhard Schulte (Singapore) Holdings
Pte Ltd

Mr. Daniel Ho

Partner, Tax,
Deloitte & Touche

Mr. Arjun Batra

Managing Director,
Drewry Maritime Services (Asia)
Pte Ltd

Mr. Daniel Li

Associate,
ECYT Law LLC

Ms. Goh Siow Hui

Partner, Tax Services,
Ernst & Young Solutions LLP

Mr. Jeremy Holbrook

Finance Director,
Hartmann Shipping Asia Pte Ltd

Ms. Toh Boon Ngee

Partner, Head of Transport, Shipping &
Logistic Tax,
KPMG Services Pte Ltd

Mr. Ulrik Kvist Wichmann

Finance Manager,
Maersk Drilling Holdings Singapore
Pte Ltd

Mr. Loo Choo Leong

Group Finance Director,
Pacific Radiance

Mr. Vijay Nair

Chief Financial Officer,
Synergy Marine

Mr. Saw Boo Guan

Chairman/ Managing Director,
Yanmar Asia (S) Corporation Pte Ltd

Mr. Mayank Somani

Financial Controller & Analyst



**“Sustained engagement
with key stakeholders for the
benefits of SSA members...”**

- ▶ Address issues affecting domestic shipping community
- ▶ Pro-active engagement of relevant stakeholders

» Mr. Lim Sim Keat

**COUNCILLOR &
CHAIRMAN OF SERVICES COMMITTEE**
Managing Director, Transport Logistics
IMC Shipping Co Pte Ltd

SERVICES COMMITTEE »

Services Committee

Chaired by Councillor Mr. Lim Sim Keat from IMC Shipping Co Pte Ltd, the Services Committee oversees the activities of the Bunkering, Cruise and Ship Operations, and Port Services Sub-Committees.

In addition to the work of its Sub-Committees, the Services Committee also collaborates with Jurong Port and key stakeholders to ensure that all general and bulk cargo operations in Singapore continue to be safe and sustainable.



SERVICES COMMITTEE - 2015 TO 2017

Mr. Lim Sim Keat (Chairman)

Managing Director,
Transport Logistics,
IMC Shipping Co Pte Ltd

Ms. Caroline Yang (Vice Chairman)

Executive Director and Head of
Legal & Finance, Safety & Training,
Administration and HR,
Hong Lam Marine Pte Ltd

Capt. Tey Yoh Huat

Individual Member

Mr. Ray Chen

Operations Manager,
Ben Line Agencies (Singapore) Pte Ltd

Dr. Alam Khorshed

Vice President,
DNV - GL

Mr. Goon Ghen Cheit

Executive Director, Commercial,
Hong Lam Marine Pte Ltd

Mr. Das Nair

General Manager,
Inchcape Shipping Services (S) Pte Ltd

Mr. Jude Darren

Regional Commercial Manager,
S5 Asia Pte Ltd

Mr. Desmond Lim

Chief Commercial Officer,
Jurong Port Pte Ltd

Mr. Cheah Aun Aun

Marine Operations Manager,
Lloyd's Register Asia

Mr. Kek Beng

Individual Member

Mr. Ronnie See

Director,
NYK Group South Asia Pte Ltd

Mr. Thiang Cheong Sheng

Vice President,
Ocean Tankers (Pte) Ltd

Capt. Nasir Suibahrie

Deputy Director Claims,
Pandisea Pte Ltd

Mr. Ang Kok Kiang

General Manager, Agency & Sales,
Pacific International Lines (Pte) Ltd

Mr. Eddy Ng

Head of Container Operations,
PSA Corporation Limited

Mr. Peter Chew Cheng Ming

Managing Director,
PSA Marine (Pte) Ltd

Capt. Anuj Sahai

Managing Director,
Resolve Salvage & Fire (Asia) Pte Ltd

Mr. Vishal Krishnatry

Manager Operations,
Rio Tinto Shipping (Asia) Pte Ltd

Mr. Frankie Tan

Director/ General Manager,
Wallem Shipping (S) Pte Ltd

» Bunkering Sub-Committee

The Bunkering Sub-Committee, chaired by Dr. Khorshed Alam from DNV GL, works closely with MPA to enhance and promote the bunkering industry in Singapore.

Singapore Standard for Mass Flow Meters (MFM)

In 2014, the Maritime & Port Authority of Singapore announced that, with effect from 1 January 2017, it would be mandatory to use a mass flow meter (MFM) for Marine Fuel Oil (MFO) bunkering in Singapore.

In the run-up to 1 January 2017, the Sub-Committee worked closely with stakeholders to anticipate and resolve operational, regulatory or technical issues that would prevent the smooth implementation of MFM bunkering.

The Association also developed a 1.5-day Refresher Course for Bunker Surveyors and Cargo Officers to raise technical knowledge on the MFM bunker operations, including creating greater awareness for personal safety and professionalism among frontline bunkering officers. This course is mandatory for all in-service bunker cargo officers and surveyors as part of the Terms and Conditions of the Bunkering License and Bunker Surveyor License, issued by MPA.

The Sub-Committee strongly believes that the implementation of MFM, and the development of the new course, will further improve the standard and professionalism of frontline bunkering officers, reassure buyers and sellers of the high standards of Singapore's bunkering industry, and demonstrate Singapore's strong commitment towards supporting its position as a premier bunkering hub.

Bunkering in Singapore

The Association continues to work closely with MPA to further develop and enhance the bunkering industry in the Port of Singapore. The number of bunker disputes was well under control. Last year, there were only 20 disputes out of 42,380 vessels bunkered. This has significantly decreased from 0.14% in 2012 to 0.047% in 2016.

BUNKERING SUB-COMMITTEE - 2015 TO 2017

Dr. Alam Khorshed
(Chairman)

Vice President,
DNV - GL

Mr. Rajeev Kumar
Marine Technical Advisor,
BP Singapore Pte Ltd

Mr. Nazri Bakar
Bomin Bunker Oil Pte. Ltd.

Capt. Neeraj Mittra
Manager Ops,
Eastern Pacific Shipping Pte Ltd

Ms. Jenny Liaw
Manager, Bunkers,
Equatorial Marine Fuel Management
Services Pte Ltd

Mr. Rahul Singhal
Claims Executive,
Gard Singapore Pte Ltd

Mr. Mohammad Haireez
Partner,
Haridass Ho & Partners

Mr. Mohammad Ahsanul Haq Khan
Fleet Manager, Harbour,
Hong Lam Marine Pte Ltd

Mr Benson Sim
Assistant Operations Manager,
Inchcape Shipping Services (S) Pte Ltd

Mr. Partha Das
Senior Marine Fuel Consultant,
Lloyd's Register Asia

Mr. Nandan Sharma
Fleet Group Manager,
Maersk Tankers Singapore Pte Ltd

Mr. Thiang Cheong Sheng
Vice President,
Ocean Tankers (Pte) Ltd

Capt. Nasir Suibahrie
Deputy Director Claims,
Pandisea Pte Ltd

Capt. Md Jafar Ullah Khan
Manager, Ship Management/Agency,
Pan-United Shipping Pte Ltd

Capt. Yoon Peng Kwan
General Manager (Fleet Support),
Pacific International Lines (Pte) Ltd

Mr. Vishal Krishnatry
Manager Operations,
Rio Tinto Shipping (Asia) Pte Ltd

Mr. Desmond Chong
General Manager,
Sinanju Marine Services Pte Ltd

Mr. Yunos Shah
Head - Port Agency Operations,
S5 Asia Pte Limited

Mr. Bob Thornton
Marine Technical Director,
World Fuel Services (Singapore) Pte Ltd



0.5% Global Sulphur Cap

At the 70th Session of the IMO Marine Environment & Protection Committee (MEPC 70) held on 24-28 October 2016, it has been agreed that the 0.5 % mandatory global sulphur cap will come into force on 1 January 2020.

With IMO's adoption of a firm deadline, the Sub-Committee entered into close consultations with MPA and other stakeholders to ensure that Singapore's bunkering industry and Singapore-flag ships will be prepared for the entry into force of the global sulphur cap.

In particular, the Sub-Committee highlighted to MPA that it is important to ensure the availability of sufficient quantities of compliant fuel and that the switchover to cleaner fuels will be implemented smoothly, without disrupting the shipping markets and bunker operations leading up to 2020.

In addition, in view of expected shifts in demand in the face of impending regulations, the Sub-Committee, together with the SSA Technical Committee, will closely monitor developments in LNG Bunkering, especially in Singapore.

SUMMARY OF BUNKER OPERATIONS IN SINGAPORE

	2012	2013	2014	2015	2016
No. of quantity disputes	49	36	35	27	19
No. of quality disputes	4	3	4	2	1
Others	0	0	-	0	0
Total no. of disputes	53	39	39	29	20
No. of vessels bunkered in the Port*	38,082	38,614	38,299	40,763	42,380
No. of disputes as a % of vessels bunkered	0.14%	0.10%	0.10%	0.07%	0.047%

* MPA Port Statistics



» Cruise Sub-Committee

Chaired by the Mr. Frankie Tan from Wallem Shipping (S) Pte. Ltd, the Cruise Sub-Committee works closely with MPA, Singapore Tourism Board (STB), Immigration & Checkpoints Authority of Singapore (ICA), and key stakeholders to develop and enhance Singapore's Cruise Industry.

In addition to its ongoing efforts to address and resolve operational issues raised by port agents, the Sub-Committee also continues to work closely with the relevant stakeholders to ensure that there are sufficient berths for the increasing number of international cruises calling at Singapore.

CRUISE SUB-COMMITTEE - 2015 TO 2017

Mr. Frankie Tan
(Chairman)

Director/ General Manager,
Wallem Shipping (S) Pte Ltd

Mr. Steven Ang
(Vice Chairman)

Assistant Vice President,
Star Cruise Pte Ltd

Mr. Victor Ong

Director/ General Manager,
Cambiaso & Rizzo (Singapore) Pte Ltd

Mr. Andrew Shannon

Mariner,
Holman Fenwick Willan Singapore LLP

Mr. Law Fook Wah

Senior Operations Manager,
Inchcape Shipping Services (S) Pte Ltd

Mr. Kek Beng

Director, Operations,
MOL (Singapore) Pte Ltd

Mr. Rahmat Hanape

Assistant Manager,
NYK Group South Asia Pte Ltd

Ms. Norma de la Fuente

Head of Mk & B,
SATS-Creuers Cruise Services Pte Ltd

Mr. Albert Wong

AVP-Cruise Operations,
Singapore Cruise Centre Pte Ltd

Mr. Ron Gunawardana

Operations Supervisor,
GAC (Singapore) Pte Ltd



SHIP OPERATIONS AND PORT SERVICES SUB-COMMITTEE MEMBERS - 2015 TO 2017

Mr. Kek Beng (Chairman)

Individual Member

Capt. Tey Yoh Huat

Individual Member

Mr. Ray Chen
Operations Manager,
Ben Line Agencies (Singapore) Pte Ltd

Ms. Joyce Goh
General Manager,
Bintang Mas Shipping Pte Ltd

Mr. Glen Barrett
Regional Voyage Operations Manager,
BP Singapore Pte Ltd

Mr. Victor Ong
Director/ General Manager,
Cambiaso & Risso (Singapore) Pte Ltd

Capt. Nadim Prasad
General Manager Operations,
Eastern Pacific Shipping Pte Ltd

Mr. Chia Thiam Chye
Executive Director,
ECL (Singapore) Pte Ltd

Mr. Rahul Singhal
Claims Executive,
Gard Singapore Pte Ltd

Mr. Loh Ngia Hoe
Director,
Hiap Woon Shipping (S) Pte Ltd

Mr. Tay Ket An
Assistant to Director (Marine
Personnel & Ops.),
Hong Lam Marine Pte Ltd

Mr. Law Fook Wah
Senior Operations Manager,
Inchcape Shipping Services (S) Pte Ltd

Mr. Mohd Yunus s/o Haniffa
Head - Port Agency Operations,
S5 Asia Pte Limited

Capt. Hemant Gupta
Assistant Vice President, Operations,
Jurong Port Pte Ltd

Mr. Rajesh Verma
Marine Ops Superintendent,
Maersk Tankers Singapore Pte Ltd

Mr. Brian Lim
Business Development Manager,
Marina Offshore Pte Ltd

Mr. Kek Beng
Director, Operations,
MOL (Singapore) Pte Ltd

Capt. Andy Sim
Operations Deputy Manager,
NYK Group South Asia Pte Ltd

Mr Zhang Yu Jie
Manager - Operations,
Ocean Tankers (Pte) Ltd

Capt. Rajesh Raman
Deputy Director, Special Services,
Pandisea Pte Ltd

Capt. Md Jafar Ullah Khan
Manager, Ship Management/Agency,
Pan-United Shipping Pte Ltd

Mr. Philbert Chua
Vice President (Container Terminals 2),
PSA Corporation Limited

Mr. Roger Teo Soon Huat
Head (Pilotage),
PSA Marine (Pte) Ltd

Mr. Vishal Krishnatry
Manager Operations,
Rio Tinto Shipping (Asia) Pte Ltd

» Ship Operations and Port Services Sub-Committee

The Ship Operations & Port Services Sub-Committee, chaired by Mr. Kek Beng, works closely with the MPA, terminal operators and other service providers to overcome any problems associated with ship operations and port services in Singapore.

Ongoing MPA/SSA Meetings on Operational Matters

As part of its on-going efforts to engage the MPA on matters concerning the port operations in Singapore, SSA continues to conduct meeting with MPA every quarter to discuss issues relating to ship operations and port services in the Port of Singapore.

Issues addressed during the period in review includes providing 4G/LTE Wireless Broadband within Port Waters, pilotage issues and optimising the use of anchorage.

In addition, given the importance of pilotage in the Port of Singapore, the Sub-Committee also facilitated a visit to the PSA Marine Control Centre to help members better understand the day-to-day operations of pilotage in Singapore.





“The foundation of the SSA members is a safe and compliant fleet...”

- ▶ Realising safer, smarter, greener shipping in Singapore and beyond
- ▶ Operationalising the digitalisation of the maritime industry

>> Mr. Steen Brodsgaard Lund
COUNCILLOR & CHAIRMAN OF
TECHNICAL COMMITTEE
Regional Manager South East Asia
& Pacific Maritime
DNV GL

TECHNICAL COMMITTEE »

Technical committee

The Technical Committee is chaired by Councillor Mr. Steen Brodsgaard Lund from DNV GL.

There are two Sub-Committees under the Technical Committee and they are the Maritime Safety and Security Sub-Committee and the Operations, Training and Manning Sub-Committee.

A summary of the main issues which have been discussed at the Committee and Sub-Committees are as provided below:

» Ballast Water Management (BWM) Convention

The BWM Convention will enter into force on 8 September 2017, one year after the accession by Finland which triggered the entry into force requirements of the Convention.

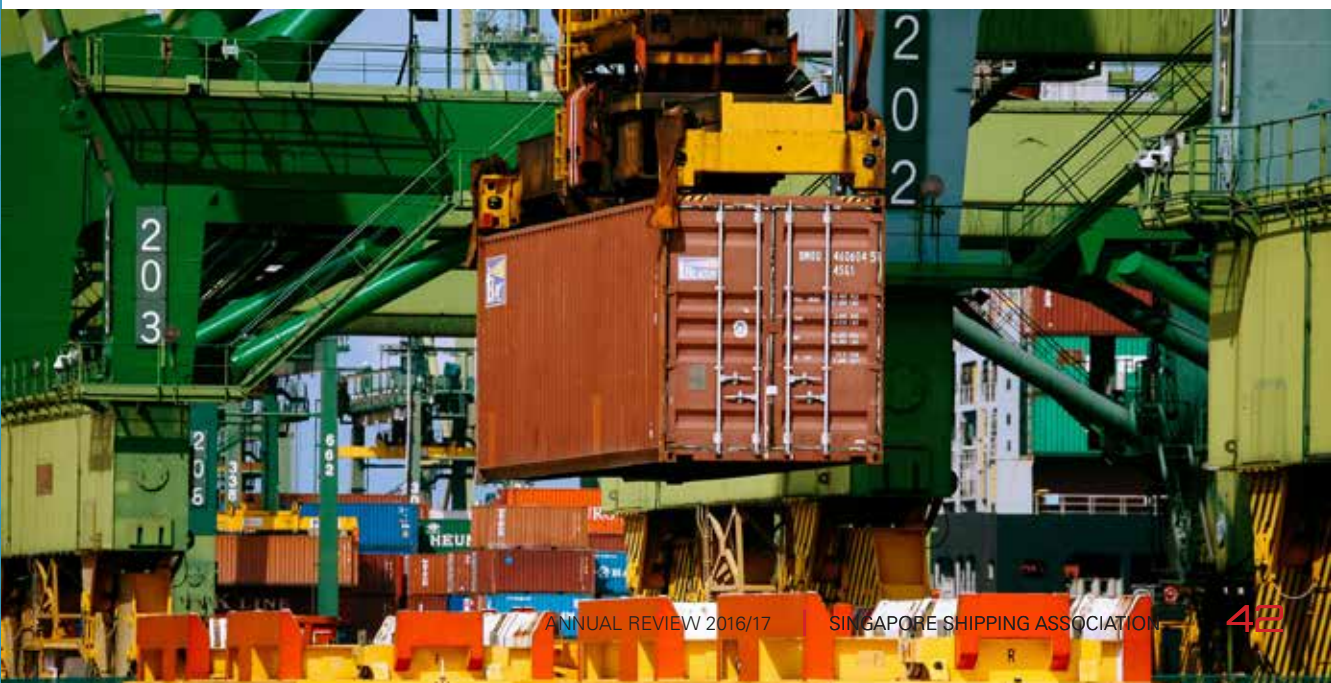
However, a number of issues remain a concern for the Technical Committee. This includes the implementation

schedule, given the serious shortage of global dry dock capacity for retrofitting existing ships, and the imposition of unilateral regulations by the US.

The Committee, together with the Asian Shipowners' Association Safe Navigation & Environment Committee and the Federation of ASEAN Shipowners Associations, also continues to lobby aggressively for the development of an ASEAN Same Risks Area (SRA).

In light of industry's concerns over US regulations, in August 2016, the Committee invited a team from the US Coast Guard to provide a briefing update with regards to the US Ballast Water Management requirements. The briefing provided the Committee with a better understanding of the requirements and procedures, as well as provided an opportunity for the Committee to share their concerns with the USCG.

The Committee will continue to work together with MPA and the USCG in addressing the concerns and to ensure a smooth implementation of the Convention.



» Data Collection System (DCS)

At the 70th Session of the IMO Marine Environment Protection Committee (MEPC 70), the Committee has approved the mandatory requirements for ships to record and report their fuel consumption. The data collected, will provide the basis for discussion at the IMO level on further measures required to enhance energy efficiency and to address greenhouse gas emissions for international shipping. Given its potential impact, the Committee regularly engages with MPA to ensure the industry's concerns are understood and addressed at IMO in the early development stage.

The data collected, will provide the basis for discussions at the IMO level such as whether any further measures are needed to enhance energy efficiency and address greenhouse gas emissions from international shipping, which subsequently, could lead to a consideration of the development of policy.

In this regard, the Committee regularly engages with MPA to ensure that industry's concerns are understood and addressed during the development stages of the Data Collection System at IMO.

» LNG

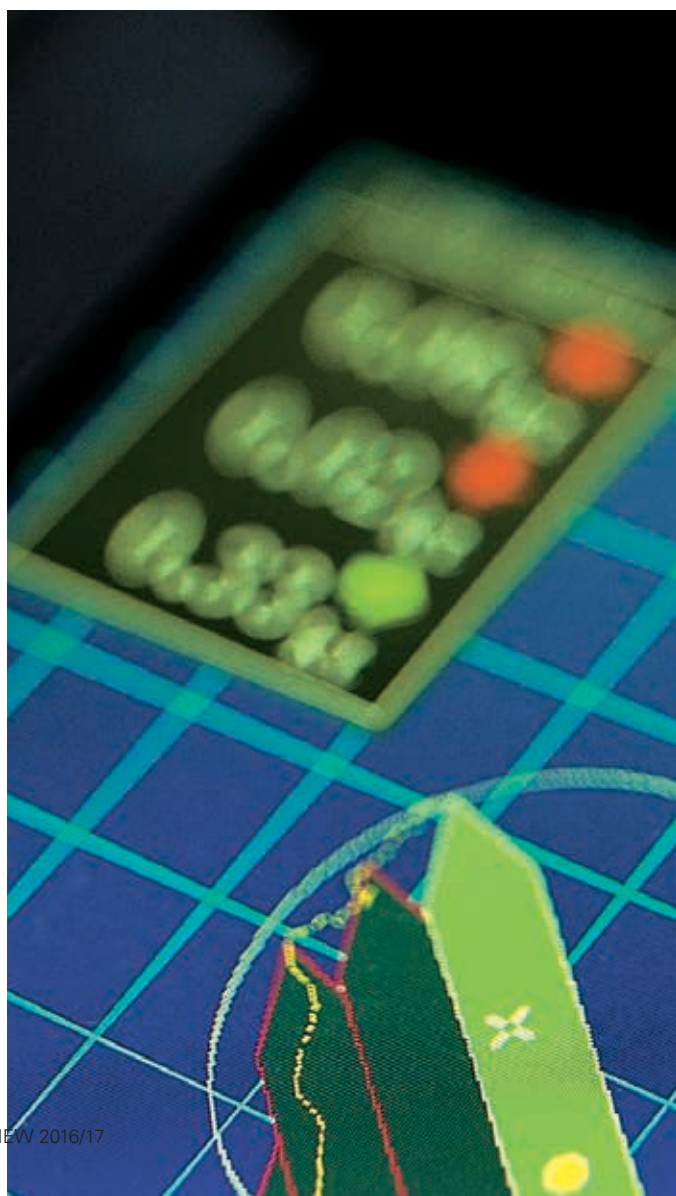
Noting the developments at MEPC 70 where it had been agreed the 0.5% global sulphur cap will take into effect on 1 January 2020, the Committee highlighted to MPA that it would be useful for MPA to share the LNG roadmap with the industry so as to better prepare them. The Committee also reiterated that the LNG roadmap should be aligned with the decisions taken at MEPC70, and looks forward to hear from MPA on the viability of having LNG as an alternative option by 2020.

The Committee, together with the Bunkering Sub-Committee, will continue to monitor developments in LNG bunkering.

» On-going Collaboration between Singapore Shipping Association (SSA) and Singapore Maritime Institute (SMI)

Big data is fast becoming a hot topic in the shipping industry. In light of this development, the Technical Committee is working closely with the Singapore Maritime Institute (SMI) to consider how Singapore shipping industry can leverage on data analytics to improve efficiency and productivity.

Noting that the SSA Membership comprises of different sectors of the maritime industry, the Committee's aim is to work on common areas such as digitalization as an ongoing topic, to benefit the industry as a whole.



TECHNICAL COMMITTEE - 2015 TO 2017

Mr. Steen Brodsgaard Lund
(Chairman)

Regional Manager South East
Asia & Pacific Maritime,
DNV GL

Mr. Anthony Zhuang

Commercial/Business
Development Associate,
Amsbach Marine (S) Pte Ltd

Mr. Derek Novak

President/COO, ABS Pacific,
American Bureau of Shipping

Mr Orson Lobo

Deputy MD,
Anglo-Eastern Shipmanagement
(Singapore) Pte Ltd

Mr. Arpan Prasad

Marine Health and Safety Manager,
A P Moller Singapore Pte Ltd

Mr. Arvind Mohan

Managing Director,
Bibby Ship Management
(Singapore) Pte Ltd

Mr. Milind Joshi

Engineer Superintendent,
BP Singapore Pte Ltd

Mr. Kapil Berry

Project Manager,
BW Maritime Pte Ltd

Capt. Tey Yoh Huat

Individual Member

Capt. Rajdeep Singh

Director,
Eastern Pacific Shipping Pte Ltd

Capt. Kunal Pathak

Loss Prevention Executive, Asia,
Gard (Singapore) Pte Ltd

Dr. Alam Khorshed

Vice President,
DNV GL

Mr Kenneth Kee

Technical Advisor,
Hong Lam Marine Pte Ltd

Capt. Deepak Khanchandani

General Manager,
Inchcape Shipping Services (S) Pte Ltd

Mr. Ganesa Pillai Natarajan

Country Manager,
Indian Register Of Shipping

Mr. Goh Lam Bee

Marine Business
Development Manager,
Lloyd's Register Asia

Mr. Nandan Sharma

Fleet Group Manager,
Maersk Tankers Singapore Pte Ltd

Mr. Sanjeev Samel

VP, Technical,
Masterbulk Pte Ltd

Mr Shaj Thayil

Head of Global Technical Services,
Neptunes Orient Lines Limited

Mr. Y. F. Wang

Manager,
Nippon Kaiji Kyokai Singapore Pte. Ltd

Mr. Johnny Wong

Senior Manager - Technical,
Ocean Tankers (Pte) Ltd

Mr Plamen Atanasov

Fleet Manager,
OSM Ship Management Pte Ltd

Mr. Lim Tau Kok

Director,
Pacific Carriers Limited

Capt. Ajit Karande

Deputy Director Technical Services,
Pandisea Pte Ltd

Capt. R.S. Minhas

General Manager, Fleet Division,
Pacific International Lines (Pte) Ltd

Mr. Binoy Dubey

Admiralty Manager,
Reed Smith Pte. Ltd.

Capt. Anuj Sahai

Managing Director,
Resolve Salvage & Fire (Asia) Pte Ltd

Mr. Sanjeev Mathur

Fleet Commercial Manager,
Rio Tinto Shipping (Asia) Pte Ltd

Mr Sanjeev Namath

General Manager,
Synergy Marine Pte Ltd

Capt. Pradeep Kale

Director, HSEQ,
Teekay Navion Offshore Loading Pte Ltd

Mr. Martin Cresswell

Fleet Director,
The China Navigation Company

Capt Hari Subramaniam

Deputy Manager Loss Prevention,
The Shipowners' Mutual Protection and
Indemnity Association (Luxembourg)
(Singapore Branch)

Mr. Rahul Sapra

Senior Surveyor,
The Standard Club Asia Ltd

Capt. Anuj Velankar

P&I Executive,
Thomas Miller (South East Asia) Pte Ltd

Yatin Gangla

Chief Operating Officer, Bulk Division,
Thome Ship Management Pte Ltd

Vinay Gupta

Managing Director,
Union Marine Management Services

Mr. Sivakumar Ramudu

Fleet Manager,
Vroon Offshore Services Pte Ltd

Mr. Calum Hume

Technical Director - Asia, Pacific &
Middle East,
V Ships Asia Group Pte Ltd

Capt. Rahul Choudhuri

COO - Asia, ME & Africa,
Veritas Petroleum Services

Capt. Nitin Mathur

Managing Director,
Wallem Group, Singapore

» Maritime Safety & Security Sub-Committee

The Maritime Safety & Security Sub-Committee, chaired by Mr. Patrick Chua, BP Shipping Pte. Ltd, looks into matters affecting maritime safety and security. The Sub-Committee worked closely with MPA, ReCAAP Information Sharing Centre (ISC), the Information Fusion Centre (IFC) and other relevant stakeholders to discuss proposed measures and submissions concerning maritime safety and security, and to make appropriate recommendations, including practical measures, to improve the safety and security arrangements for ships.

Piracy

Piracy remains a huge threat to international shipping. The Sub-Committee monitored global developments, including the situation at the Red Sea as well as the kidnap & ransom incidents in the Sulu Sea. In addition, the Sub-Committee also shared best practices with each other on specific piracy incidents.

Cyber Security

The Sub-Committee also closely monitors the developments of cyber security in shipping. The Sub-Committee, together with the Technical Committee, formed a cyber security work group with the following objectives:

- i. i. Create awareness to emerging threat of cyber-attacks
- ii. ii. Raise preparedness to prevent maritime cyber-attacks
- iii. Prevent disruption to maritime activities – resulting in crew and cargo safety, protection of maritime assets, prevention of commercial losses; and
- iv. Evaluate the effectiveness of ship-board cyber security protection, risk profiling and risks versus investment analysis

ReCAAP Regional Guide

The Singapore Shipping Association, worked together with the ReCAAP Information Sharing Centre (ISC), the Asian Shipowners' Forum, (ASF), Federation of ASEAN Shipowners' Association (FASA), Information Fusion Centre (IFC), INTERTANKO, Oil Companies International Marine Forum (OCIMF) and the S. Rajaratnam School of International Studies (RSIS) to produce a Regional

Guide to Counter Piracy and Armed Robbery against Ships in Asia.

The Guide is intended to assist those responsible for the operation of ships trading in Asia, including companies, owners, masters, agents and seafarers in dealing with attacks. It includes how to act when attacked, how to deter and also how to delay attacks. The Guide also explains basic principles of evidence preservation post incident, which highlights ways the Master and Crew can protect the crime scene. It also takes into consideration the occurrence of incidents involving all types of ships while underway, at ports and also at anchorages in Asian waters.

MARITIME SAFETY & SECURITY SUB-COMMITTEE - 2015 TO 2017

Mr. Patrick Chua
(Chairman)
Regional Security &
ER Advisor,
BP Singapore Pte Ltd

Capt. Geoff Pearson
(Vice Chairman)
Global Head Security,
BW Maritime Pte Ltd

Mr. Eugene Low
Divisional Manager - MSC,
American Bureau of Shipping

Capt Sundeep Khara
Regional Marine Risk Manager,
AXA Corporate Solutions Assurance,
Singapore Branch

Capt. Devashish Bhaumik
Marine Manager,
Bibby Ship Management (Singapore)
Pte Ltd

Capt. Prashant Mishra
GM, HSE RV,
Eastern Pacific Shipping Pte Ltd

Capt. Kunal Pathak
Loss Prevention Executive, Asia,
Gard (Singapore) Pte Ltd

Capt. Siva S/O Shanmugam
Manager, Safety & Training,
Hong Lam Marine Pte Ltd

Mr. Ganesa Pillai Natarajan
Country Manager,
Indian Register Of Shipping

Mr. David Cheong
Marine Mgmt System Manager,
Lloyd's Register Asia

Mr. Madhav Kamath
Marine Ops Superintendent,
Maersk Tankers Singapore Pte Ltd

Mr. K C Ng
SVP - Fleet Management/DPA/CSO,
Ocean Tankers (Pte) Ltd

Ms. Victoria McFarlane
Paralegal, Deputy Manager Claims
& Admin,
Pandisea Pte Ltd

Mr. Chu Kian Ann
Manager, Coastal/Bulk,
Pan-United Shipping Pte Ltd

Mr. Kevin Cockrell
Manager HSE,
Rio Tinto Shipping (Asia) Pte Ltd

Capt. Vijay Pal
Sr. Manager,
Sandigan Ship Management Pte Ltd

Mr. Harry Wee
Alternate CSO,
Thome Ship Management Pte Ltd

Mr. Raymond Chia
QHSE Manager,
Vroon Offshore Services Pte. Ltd.

» Operations, Training and Manning Sub-Committee

The Operations, Training and Manning Sub-Committee is chaired by Capt. Anuj Sahai from Resolve Salvage and Fire (Asia) Pte Ltd and aims to better address the operational, training and manning issues that may arise from international regulations, in particular, STCW and MLC.

OPERATIONS, TRAINING AND MANNING SUB-COMMITTEE - 2015 TO 2017

Mr. Rajeev Pratap Singh (Chairman)

Head of Manning Office,
Maersk Tankers Singapore
Pte Ltd

Mr. Khaushik Seal (Vice Chairman)

BDLS,
DNV GL

Mr. Amit Agarwal

CSR and Legal Manager,
A P Moller Singapore Pte Ltd

Mr. Manu Dhaul

HR Manager,
Bernhard Schulte Shipmanagement
(Singapore) Pte Ltd

Mr. Rahul Singhal

Claims Executive,
Gard (Singapore) Pte Ltd

Mr. Tay Ket An

Assistant to Director (Marine
Personnel & Ops.),
Hong Lam Marine Pte Ltd

Mr. Ganesa Pillai Natarajan

Country Manager,
Indian Register Of Shipping

Mr. Brian Lim

Marine Training Training Services
Manager,
Lloyd's Register Asia

Capt. Nasir Suibahrie

Deputy Director Claims,
Pandisea Pte Ltd

Capt. Thomas Wan

Executive - Quality,
Pan-United Shipping Pte Ltd

Mr. Terry Tan

Crewing Manager,
Vroon Offshore Services Pte. Ltd.



"To stay engaged and continue to be at the forefront of developments in maritime law and insurance..."

- ▶ Maintaining a strong pool of maritime legal and insurance expertise to strengthen Singapore's position as an international maritime centre
- ▶ Promoting higher standards of excellence and professionalism

» **Mrs. Gina Lee-Wan**
COUNCILLOR & CHAIRMAN OF LEGAL & INSURANCE COMMITTEE
Partner
Allen & Gledhill LLP



LEGAL AND INSURANCE COMMITTEE >>

Legal & Insurance Committee

The Legal & Insurance Committee, chaired by Councillor Mrs. Gina Lee-Wan of Allen and Gledhill LLP, examined the legal aspects of policies and issues affecting the shipping community.

In addition, the Committee also examined developments in marine insurance.

Provided below is a summary of the main issues that have been addressed by the Committee during the period under review:

>> Electronic Bills of Lading

Working through the Attorney General's Chambers, the Committee has been and continues to be engaged in providing feedback on the development of Electronic Bills of Lading at the United Nations Commission on International Trade Law (UNCITRAL).

The Committee is of the opinion that EBLs will be of great value to international trade, though there are many outstanding issues that need to be resolved.

>> Ballast Water Management Patents

Following the news that the ratification criteria of the Ballast Water Management Convention has been met which means that the Convention will come into force in September 2017, in December 2016, SSA was informed that a foreign company had filed four patents in Singapore – given the extremely broad nature of the patents, any ships retrofitting BWM systems in Singapore and all Singapore-flag ships would probably be affected by these patents.

The Committee, together with the MPA and other stakeholders, are engaged in ongoing discussions aimed at ensuring that the Singapore flag will not be adversely affected by these patents.

>> Protocol of the Limitation of Liability of Maritime Claims (LLMC 96)

As LLMC96 could significantly increase the liability of shipowners, SSA continues to support the status quo of LLMC76. A survey was conducted by SSA in early 2016 amongst shipowners, and findings indicate that respondents are now more favourable towards the ratification of LLMC96. However, the Committee continues to engage with MPA with regards to this.

There were also specific concerns raised especially for sectors that were more vulnerable to the impact. SSA had suggested that MPA consider increasing the tonnage threshold for exemptions from LLMC 76 from 300 GT or less, to 5,000 GT.



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LEGAL AND INSURANCE COMMITTEE MEMBERS - 2015 TO 2017

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Allen & Gledhill LLP

Mr. James Brosnan (Vice Chairman)

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Mr. Kenny Yap

Partner,
Allen & Gledhill LLP

Mr Sanjiv Sethi

Operations MD,
Anglo-Eastern Shipmanagement
(Singapore) Pte Ltd

Mr. Jochem Kort

Regional Director,
Aon Singapore Pte Ltd

Mr. Simon Stonehouse

Head of Marine,
Asia Capital Reinsurance Group
Pte Ltd

Mr. Pierre Chevalier

Marine Hull Underwriter,
AXA Corporate Solutions Assurance,
Singapore Branch

Mr. Ho Keng Hoong

Counsel, Shipping,
BP Singapore Pte Ltd

Mr. Marco Daini

Managing Director,
Cambiaso Riso Asia Pte Ltd

Mr. Christopher Metcalf

Partner,
Clyde & Co Clasis Singapore Pte Ltd

Mr. Zack Quek

Legal Counsel,
DNV GL

Mr. Adam Emilianou

General Counsel,
Eastern Pacific Shipping Pte Ltd

Mr. Tom Helleboe

Managing Director,
Edge Insurance Brokers (Singapore)
Pte Ltd

Mr. John Martin

Managing Director,
Gard (Singapore) Pte Ltd

Mr. Mohammad Haireez bin Mohameed Jufferie

Partner,
Haridass Ho & Partners

Mr. Dominic Johnson

Partner,
Holman Fenwick Willan Singapore LLP

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Mr. Tang Sau-Meng

Head of Marine,
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Ms. Meixian Wang

Insurance & Claims Manager,
The China Navigation Company
Pte Ltd

Mr. David Roberts

Managing Director,
The Standard Club Asia Ltd

Mr Martin St. Pierre

CEO,
Tigermar Global Pte Limited

Mr. Kenneth Lie

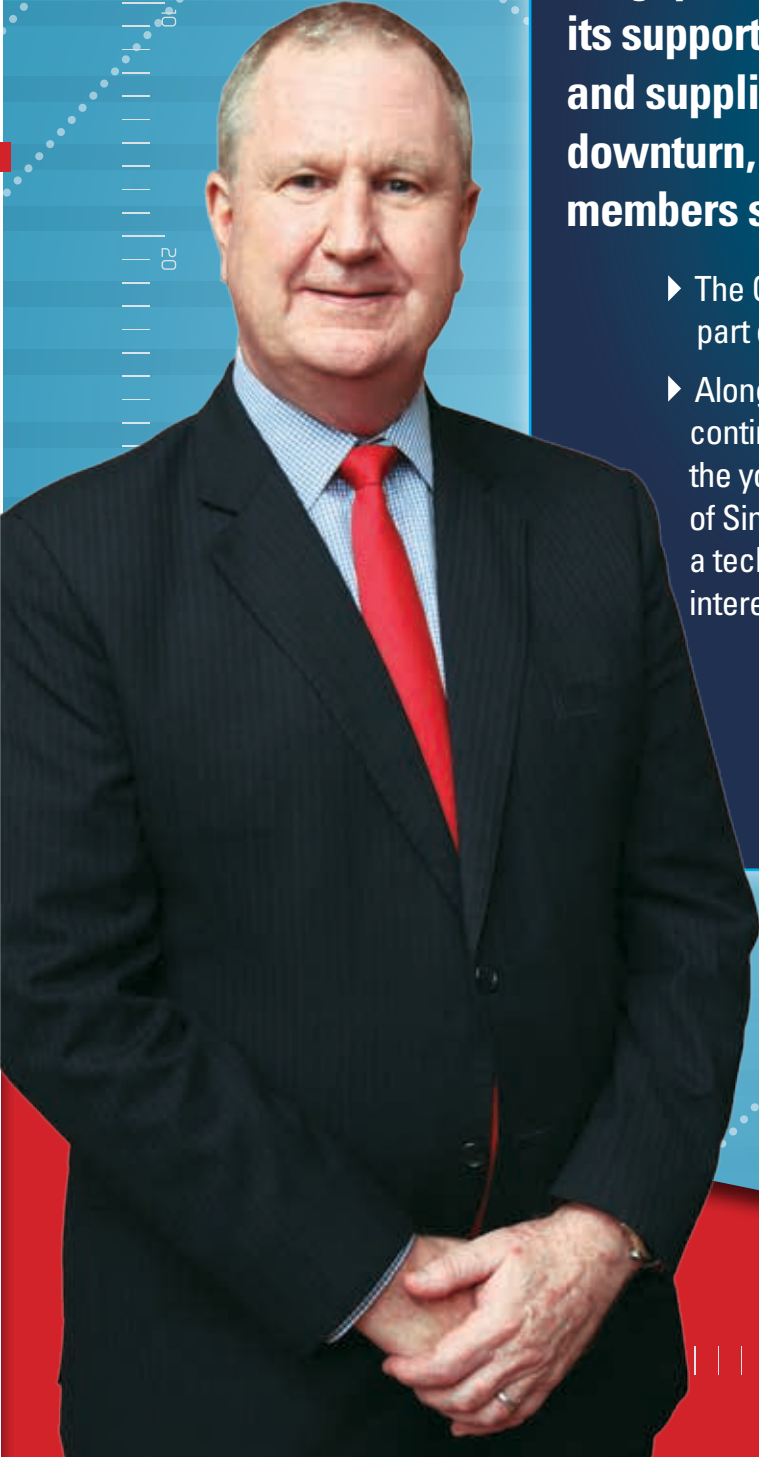
Director,
Thomas Miller (South East Asia)
Pte Ltd

Mr Filip Olde Bijvank

MD/ Legal Counsel,
Vroon Offshore Services Pte. Ltd.

Mr. Oliver Miloschewsky

Head of Hull & Yacht, APAC,
XL Insurance Company SE
Singapore Branch



“Despite the headwinds, Maritime Singapore remains resilient in its support of the OSV Owners and suppliers during this current downturn, even with some of our members struggling to survive...”

- ▶ The O&M sector remains a strategic part of Singapore as an IMC
- ▶ Along with Maritime Singapore, we continue to work towards convincing the younger generation of the population of Singapore that the O&M space is a technically challenging, dynamic and interesting environment to work in

» **Capt. Mike Meade**
COUNCILLOR & CHAIRMAN OF OFFSHORE
SERVICES COMMITTEE
Chief Executive Officer
M3 Marine Group Pte Ltd

OFFSHORE SERVICES COMMITTEE »

Offshore Services Committee

Chaired by Councillor Capt. Mike Meade of M3 Marine Group Pte Ltd, the Offshore Services Committee works to address issues of concern to the offshore marine sector and establish Singapore as an attractive centre for the global offshore marine industry.

Capt. Mike also has an Offshore Training, Development and Education Sub-Committee under his care.

» Offshore Services Committee Wish list

In view of the adverse market conditions facing the sector, the Committee developed a Wish list for the offshore marine sector which the Committee would use as a basis for discussions with stakeholders such as MPA with a view towards developing and adopting measures to assist Members during the downturn.

Some of the main issues addressed by the Committee were as follows:

» OSV@Vivo Open House 2016

As part of the Association's efforts to create awareness of the offshore marine industry, in 2016, the Committee organized an OSV@Vivo Open House 2016 event. The event, which featured two OSVs drawn from SSA members' fleets, was supported by our MaritimeOne Partners and the International Maritime Contractors Association (IMCA).

A separate sub-committee including members of the SSA secretariat was setup to run this event chaired by Mr Kuet Ee Yoon. Under Kuet's guidance the sub-committee undertook a mammoth task with and admirable results.

The Open House was held on 21-23 April 2016 in conjunction with Singapore Maritime Week and attracted more than 3,000 visitors.



» Extension of Concessionary Cat 4 Port Dues

On 29 September 2015, MPA, recognising the challenges facing the offshore marine industry, announced that it would be extending the incremental concessionary rates (CAT 4 Port Dues) from the current 90 days to 180 days, with effect from 1 November 2015 to 31 October 2016.

In response to feedback from the Committee in 2016, MPA further extended the incremental concessionary rate until 31 December 2017.

The rates are applicable to MPA-approved offshore support vessels that call at MPA



designated offshore marine locations and/or specified anchorages in port.

In addition to raising awareness of the concessionary port dues, the Committee is also engaged in developing other measures to help mitigate the impact of the current downturn for the offshore marine sector.

» Definition of Industrial Personnel

Offshore support vessels may, from time to time, be required to carry additional “industrial personnel” as part of their duties.

In response to an initiative at the IMO to define and regulate the carriage of “industrial personnel”, the Committee formed and led a Focus Group to develop a

OFFSHORE SERVICES COMMITTEE - 2015 TO 2017

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(Chairman)

Chief Executive Officer,
M3 Marine Group Pte Ltd

Mr. Jan Holm

(Vice Chairman)

Managing Director,
Maersk Drilling Holdings Singapore
Pte Ltd

Ms. Petya Blumbach

Group Marketing Manager,
Amsbach Marine (S) Pte Ltd

Mr. Divo S.K.

Offshore Manager,
Ben Line Agencies (Singapore) Pte Ltd

Mr. Arvind Mohan

Managing Director,
Bibby Ship Management (Singapore)
Pte Ltd

Mr. Rendy Ariffin

Managing Director,
Bourbon Offshore Asia Pte Ltd

Dr. Alam Khorshed

Vice President,
DNV GL

Mr. Willy Tan W L

General Manager,
Eastern Navigation Pte Ltd

Mr Christopher Lim

Senior Commercial Manager,
Gulfmark Asia Pte Ltd

Mr. Chanaka Kumarasinghe

Partner,
Holman Fenwick Willan Singapore LLP

Mr. Walter Lin

Senior Manager, Commercial,
Jurong Port Pte Ltd

Mr. Tan Wen Hao, Justin Anderson

Corporate Strategy & Investment
Analyst,
Kim Heng Offshore & Marine Holdings
Limited

Mr Charles D'Alton

Founding Partner,
Latitude Brokers

Mr. Y. F. Wang

Principal Surveyor,
Nippon Kaiji Kyokai Singapore Pte. Ltd.

Mr Plamen Atanasov

Fleet Manager,
OSM Ship Management Pte Ltd

Mr. Maurice Loh

Partner,
PricewaterhouseCoopers LLP

Mr. Barry Stimpson

Partner,
Reed Smith Pte. Ltd.

Capt. Anuj Sahai

Managing Director,
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Mr Ivan Soh

Account Management,
S5 Asia Pte Limited

Mr. Duncan Telfer

Commercial Director,
Swire Pacific Offshore

Mr. Tom Hamer

Head of Operations,
Thome Offshore Management Pte. Ltd

Mr Filip Olde Bijvank

MD/ Legal Counsel,
Vroon Offshore Services Pte. Ltd.

OFFSHORE TRAINING, DEVELOPMENT AND EDUCATION SUB-COMMITTEE - 2015 TO 2017

Ms. Deborah Low (Chairman)

Training & Development
Manager,
Swire Pacific Offshore
Operations (Pte) Ltd

Mr. Steven Tan (Vice-Chairman)

Operations Manager,
Vroon Offshore Services Pte. Ltd.

Mr. Rendy Ariffin

Managing Director,
Bourbon Offshore Asia Pte Ltd

Mr Christopher Lim

Senior Commercial Manager,
Gulfmark Asia Pte Ltd

Capt. Mike Meade

CEO,
M3 Marine Group Pte Ltd

Mr. Pierre Deletaille

SSA Individual Member,
Pierre Deletaille

Mr. Reinder Peek

General Manager (Asia),
SMIT Salvage (Asia)

practical and implementable definition of “industrial personnel” that would be acceptable to the industry. The intent was to ensure that any definition would harmonise with SPS Code, SOLAS, and other relevant conventions.

SSA was also represented at the 96th session of the IMO Maritime Safety Committee (MSC 96) which met in May 2016 to discuss this issue.

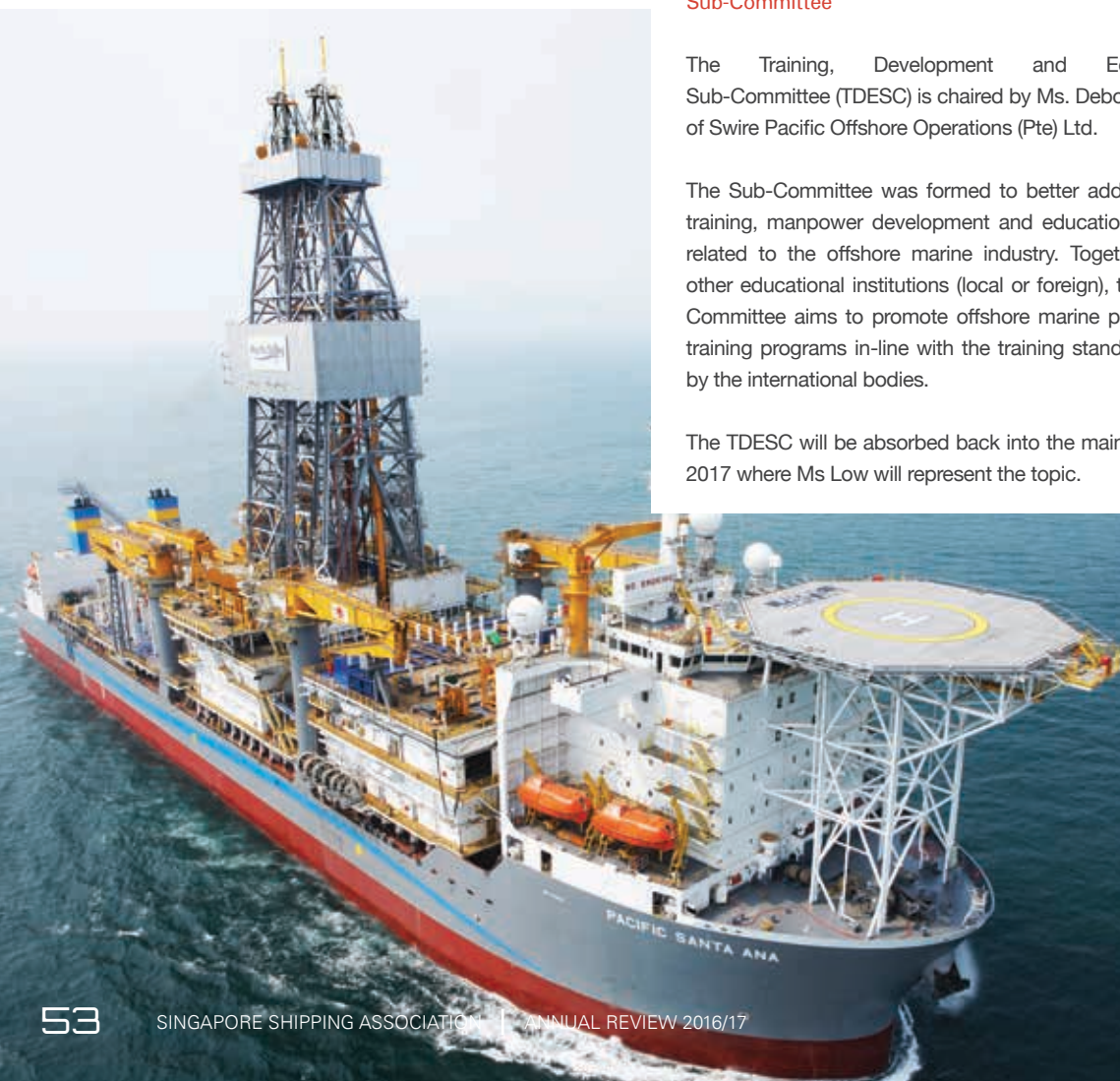
SSA is pleased to report that at MSC 97, IMO had adopted the interim recommendation which defines persons who are being transported or accommodated on board for the purpose of offshore activities, as industrial personnel, and should not be considered as passengers within the SOLAS Regulation 1/2(e).

» Training, Development and Education Sub-Committee

The Training, Development and Education Sub-Committee (TDESC) is chaired by Ms. Deborah Low of Swire Pacific Offshore Operations (Pte) Ltd.

The Sub-Committee was formed to better address the training, manpower development and education issues related to the offshore marine industry. Together with other educational institutions (local or foreign), the Sub-Committee aims to promote offshore marine personnel training programs in-line with the training standards set by the international bodies.

The TDESC will be absorbed back into the main OSC in 2017 where Ms Low will represent the topic.



OTHER WORK GROUPS »

MPA-SSA Safety of Navigation Work Group (SNWG)

In August 2014, MPA, together with SSA, established the MPA-SSA Safety of Navigation Working Group (SNWG) with the aim to improve the safety of navigation in Singapore waters. The SNWG is co-chaired by Capt. Vibhas Garg from BW Maritime Pte. Ltd.

Some of the measures which arose from the discussion within the SNWG is the Revision of Singapore Eastern Pilot Boarding Grounds and the scheduling systems for pilotage.

In view of the limited anchorage space, the SNWG also explored ways to optimise anchorage usage as we move towards tankers' Just-in-Time arrival. Measures considered includes, reducing dwell time at anchorages (within 36-hours) as well as concurrent bunkering while at berth at oil terminals.

Maritime Manpower Resource Panels (MMRPs)

To promote manpower development in the maritime sector, MPA has partnered with SSA to set up 3 Maritime Manpower Resource Panels (MMRPs) in the Shipowning/Operating and Broking, Ship Agency and Technical Management segments.

» Ship Agency

Headed by Mr. Patrick Phoon, the MMRP Ship Agency appointed Deloitte Risk Advisory to embark on a Business Process Improvement Consultancy Study for Ship Agencies. This aims to address critical manpower issues and propose enhancements to ship agency workflows, in order to improve the sector's productivity in a rapidly changing maritime business environment. MPA is supporting SSA on this project through co-funding support under the Maritime Cluster Fund-Productivity (MCF-PD).

The project is expected to be completed by May 2017.

» Technical Management

The MMRP Technical Management panel is chaired by Councillor Mr. Steen Lund, DNV GL with representations from Bureau Veritas Marine (Singapore) Pte Ltd, BW Maritime Pte Ltd, Grindrod Shipping Pte Ltd, Masterbulk Pte Ltd, National University of Singapore, Ocean Tankers (Pte) Ltd and Rickmers Shipmanagement (S) Pte Ltd.

The main objective of the MMRP Technical Management is to develop a maritime superintendent training course. It is supported by key maritime organisations including the Maritime and

Port Authority of Singapore (MPA), DNV GL, Singapore Maritime Foundation (SMF), Society of Naval Architecture and Marine Engineers (SNAMES), Singapore Maritime Academy (SMA), Ngee Ann Polytechnic (NP), and other individual professionals,

The course aims to provide multiple career and training pathways for both seafaring and other related professionals towards obtaining an approved certification and credentials as Maritime Superintendents.

The full program will be modular in design, under which students will be awarded certification upon completion of the required modules. The attainment of all relevant certificates will lead to a specialist diploma/diploma.

The draft contents and modules will be ready by March for approval by the Maritime Manpower Resource Panel (MMRP) Technical Management followed by the Sectoral Tripartite Committee (STC). On approval, the material will be submitted to the Singapore Maritime Academy of the Singapore Polytechnic (the nominated institute of higher learning) in April for academic validation and approval. The Maritime Superintendent course is expected to be launched in October 2017.



“In a world constantly being disrupted by new technologies, we need to step up on our efforts to harness the innovative potential of our young maritime professionals to help the maritime industry navigate through the choppy waters confronting us today...”

- ▶ Provide a platform for young maritime professionals to deepen their skills and cross-fertilise their ideas
- ▶ Develop collective identity and commitment to the maritime industry

>> Ms. Lao Mei Leng
COUNCILLOR & CHAIRMAN OF YOUNG
EXECUTIVES GROUP COMMITTEE
Partner
Moore Stephens LLP

YOUNG EXECUTIVES GROUP COMMITTEE »

The Young Executives Group (YEG) was officially launched to the SSA membership on 16 February 2006 and continues to enjoy strong support from SSA member companies.

The main role of the YEG is to promote young shipping executives' greater awareness of SSA and to encourage them to participate in SSA's activities with the view of nurturing future leaders for SSA and the Maritime Industry.

In the past decade, membership has grown to more than 1,200 young executives below 45 years of age, from more than 400 SSA member companies that actively participate in the activities organised by the YEG Committee.

The YEG committee is chaired by Councillor, Ms Lao Mei Leng of Moore Stephens LLP. The activities of the YEG are focused on three main areas namely: Community Outreach, Educational Talks and Industry Networking.

YEG is an excellent platform for young maritime executives to build valuable connections and foster friendships at an early stage of their career. Some of the memorable events in 2016 were the Movie Screening and Luncheon with the Children's Cancer Foundation, the fiercely contested Annual Bowling Challenge and the meaningful Yale-NUS college visit which left many students attracted and inspired to join the Maritime Industry.





YEG ACTIVITIES JUNE 2016 TO MAY 2017

Event	Date	Venue
YEG Community Outreach: Volunteer at Willing Hearts Soup Kitchen	11 June 2016	11 Jalan Ubi Kembangan, Chai Chee Community Hub, Block 6 #01-51
YEG Educational Talk on: Maritime Arbitration – Its development in Singapore and SCMA	13 July 2016	SSA Conference Room Speaker: Ms. Teo Hwee Ping, Director, SCMA
YEG Community Outreach: Collaboration with Swire & Central Singapore Community Development Council (CDC) - Project Painting Smiles	26 August 2016	PEACE-Connect Centre
YEG Educational Talk on: ISM/ISPS Issues	14 September 2016	SSA Conference Room Speaker: Capt. Sanjay Varma, Master Marina, London Offshore Consultants Pte Ltd
SSA Gala Dinner Performance	23 September 2016	Marina Bay Sands Singapore, Sands Ballroom, Level 5
YEG Community Outreach: Pink Cocktail in collaboration with BCF	19 October 2016	SSA Conference Room
YEG Annual Bowling Challenge	3 November 2016	Kallang Bowl
YEG Educational Talk on: Getting Paid, Strategies and Tactics	16 November 2016	Kennedys Legal Solutions Speaker: Mr Nick Francis, Partner, Kennedys Legal Solutions
YEG Community Outreach: Movie Screening & Luncheon with the Children's Cancer Foundation	9 December 2016	Vivo City
YEG Year-End Networking	14 December 2016	Hive by Wala Wala
YEG Lunar New Year Lou-Hei Dinner	8 February 2017	PIL Penthouse
YEG Educational Talk: Introduction to Cyber Crime	15 March 2017	SSA Conference Room Speaker: Mr Richard James Hancock, Regional Director, NYA International Limited
YEG Community Outreach: Willing Hearts Soup Kitchen	25 March 2017	11 Jalan Ubi Kembangan, Chai Chee Community Hub, Block 6 #01-51
Go-Kart Racing Event for YEG 11 th Anniversary	18 May 2017	Kartright Speedway, 511 Upper Jurong Road #01-05, Singapore 638366



YOUNG EXECUTIVES GROUP COMMITTEE - 2015 TO 2017

Ms. Lao Mei Leng

(Chairman)

Partner,
Moore Stephens LLP**Mr. Teo Yew Ping**

(Vice Chairman)

Senior Manager,
Advance Container Lines (Pte) Ltd**Mr. Jack Marriott-Smalley**

(Secretary)

Underwriter,
The Standard Club Asia Ltd**Mr. Jonathan Choo**

(Treasurer)

Partner,
Allen and Gledhill LLP**Mr. Timothy Ho**

(Community I/C)

Manager,
H. Schultdt Shipbrokers (Asia) Pte Ltd**Mr. Ollie van der Zee**

(Educational I/C)

Foreign Lawyer,
Kennedys Legal Solutions Pte Ltd**Ms. Akanksha Batura**

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Strategic Planning Manager,
Sinoda Shipping Agency Pte Ltd**Ms. Sheilla Zainal**

(Networking I/C)

Manager,
Jurong Port Pte Ltd**Mr. David Ling**Managing Director,
Aflex Ships Equipment Pte Ltd**Ms. Zhang Boya**Assistant Manager,
BDO LLP**Mr. Yoon Jang Yong**Manager, Market Development,
Bureau Veritas Marine (Singapore)
Pte Ltd**Ms. Kate Docton**Senior Associate,
Clyde & Co Clasis Singapore Pte Ltd**Mr. Lim Han**Executive Director, Operations,
Hong Lam Marine Pte Ltd**Mr. Aw Yong Woon**Senior Vice President,
HSH Nordbank AG, Singapore Branch**Mr. Justin Tan**Corporate Strategy & Investment
Analyst,
Kim Heng Offshore & Marine
Holdings Limited**Mr. Ng Ee Ping**General Manager,
Kontiki Shipping Pte Ltd**Ms. Peggy Zhao**Commercial Executive,
M3 Marine Group Pte Ltd**Ms. Gelle Sia**HR Business Partner,
Maersk Singapore Pte Ltd**Capt. Madhav Kamath**Senior Marine Superintendent,
Maersk Tankers Singapore Pte Ltd**Ms. Chan Rouh Ting**Partner,
Moore Stephens LLP**Ms. Sue Ann Gan**Associate,
Norton Rose Fulbright (Asia) LLP**Mr. Danish Shadab**Commercial Executive,
Resolve Salvage & Fire (Asia) Pte Ltd**Mr. Matthew Tan**Global Portfolio Manager S&H,
Rio Tinto Shipping (Asia) Pte Ltd**Mr. Ivan Soh**Account Management,
S5 Agency World Ltd.**Capt. Vijay Pal**Senior Manager in MSQ,
Sandigan Ship Management Pte. Ltd.**Ms. Celeste Yeong**Project Manager,
Sinanju Marine Services Pte Ltd**Mr. Abhishek Asija**General Manager,
Synergy Marine Pte Ltd**Mr. Ronny Waage**Underwriter,
The Shipowners' Mutual Protection
and Indemnity Association
(Luxembourg) (Singapore Branch)



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Hello

From Michael



Two years in the job, since taking the helm as Executive Director of the Singapore Shipping Association, in August 2014, we see an SSA that has become more energetic and buzzing with activities.

While the last two years have not been easy from a business standpoint, but that did not stop Michael from executing what he intends to do. His presence is felt behind the scenes in most of the initiatives. In fact, the industry welcomes a passionate and bold voice championing the cause of the shipping industry and yet lending a credible and balanced view working with the government and across boundaries.

One particular incident is the much talked about Piracy in the Straits of Malacca, and yet the most misrepresented topic that almost classified the Straits of Malacca and Singapore as a High Risk Area in 2015/2016. A strong advocate on this subject, he works closely with enforcement agencies (coast guard, marine police, navy assets), as well as shipowners' security officers, and vessel crew. He relentlessly pursued the regional anti-piracy reporting centre and other stakeholders such as the joint operational command at Information Fusion Centre (IFC), Intertanko, OCIMF, and Oil Majors to come together and draft a Regional Best Management Practice in Counter Piracy. The latest 2016 statistics saw a decline in Piracy, which reflects Michael's persistence and personal drive to see the success of this.

Now, two and a half years on, what are the key issues that he sees as important to steer SSA forward and keeping it relevant with times?

"The timing is ripe for Shipping to adopt disruptive technologies and we all need to be prepared. So I am looking for continuous adaptation and we want to make sure that our 6 operational committees, working hand in hand with our SSA members, are geared up and ready for adaptation to change.

To this, the SSA is deeply involved in shaping the industry transformation maps. "Now is the time to embrace technology to boost productivity" says Michael. And indeed so, with challenges in building a maritime manpower talent pipeline, the SSA strongly believes that technology adoption can increase its attraction especially within the younger workforce and address the shortage of manpower. Moreover, boosting productivity will also enable companies to have the breathing space to focus on value creation initiatives, which were held back by laborious work processes.

In addition, "the continuous connection to the international market and collaboration with the broader ecosystem will be instrumental to the success and relevancy of Singapore as an International Maritime Center". SSA has been busy on international engagements and is a recognized dialogue partner with ASEAN nations (including China, Korea and Japan) to develop and implement the longer term plans of an ASEAN Single Shipping Market (ASSM). A noteworthy point is that SSA is an integral partner architecting the blueprint

on growing the Asian shipping market. SSA also has a PR strategy in place to actively promote the Association and its members to the international market.

Within SSA, Michael has injected a “Self-Renewal” culture within the organisation. Since taking over, Michael has injected a sense of Urgency and Value creation philosophy in SSA. He began with a makeover of the SSA website, thus changing the ‘touch and face of SSA’ and updated its image to stay relevant in current times. Continuous revisions and content creation were made on the website so that members can benefit and use it as a resource.

In addition, SSA has embarked on a Digitalisation exercise to improve productivity. This is manifested in 3 areas of focus. Foremost, SSA will be migrating the current manual database to an online application. This will facilitate communications as well as provide SSA the opportunity to harness data and drive more targeted programs that address the needs of its members. In an effort to keep up with times, and reaching out to younger members of the industry, SSA will also leverage on the various social media platforms to reach out to its members in a timely manner. Members would have also noticed the new makeover of Waves that is more engaging and personal. As part of reducing carbon footprint and going Green, Waves is also available as an e-copy that is readable on mobile devices and will eventually phase out the physical hardcopy in the long term.

“I have hopefully steered the SSA to adopt a futuristic stance. We want to

be in the game for a long time. We are here to stay and to ensure the right foundation is established so that our members can benefit,” he said. “Besides, it is important SSA leads the industry in its digitalisation strategy and adopt a “walk the talk” philosophy, especially when the industry is moving aggressively towards Smart Shipping,” Michael added. “We can stay relevant only when we continually embrace change as part of the self-renewal process”.

So what motivates the new Executive Director as a person?

“I love the challenges of this industry. It can range from economic, political, social or environmental. In a way, Shipping is like playing the guitar to me. There are multiple sectors within shipping like Containers, Bulk Cargo, Offshore Marine and Services as well as Tankers. They are like the chords in music. Coupled with the various tempo (external factors) and rhythm (business cycles), each contributes to the melody (dynamic shipping industry). There are so many opportunities for improvisation (value creation). The SSA Council have been

very supportive of the initiatives I have taken, and while I feed off their support, I am also getting the extra boost from the SSA members who volunteer their expertise and time in the various committees. The Council and the active members’ energy have made me feel very excited and I continue to be very intrigued with Shipping.

Established in 1985, the Singapore Shipping Association is a not-for-profit national trade association formed to serve and promote the interests of its members and to enhance the competitiveness of Singapore as an International Maritime Centre. Its members spans across a wide spectrum of shipping companies and ancillary service related companies. The SSA engages and collaborates with the shipping industry key stakeholders and is a trusted advisor and partner to related government agencies. The SSA has been appointed executive seats, and co-operates with other regional and international shipping organizations to protect the marine environment and promote freedom and safety at sea. For details, please visit www.ssa.org.sg





GERMINATION STARTS EARLY FOR MARITIME

The SSA is a strong advocate in nurturing the next generation of talent in the maritime industry. For the academic year 2016/17, more than S\$2million worth of maritime scholarships were awarded to 53 students at the MaritimeONE Scholarships Awards Ceremony. Amongst them, SSA awarded four SSA-MaritimeONE scholarships amounting to \$40,000 to students from Singapore Polytechnic-Singapore Maritime Academy (SP-SMA) and Singapore Maritime University (SMU). Our scholars for 2016/17 are:

- Li Bo Feng, Diploma in Marine Engineering, SP SMA
- Puteri Qurratu Ain Binte Zainal Abidin, Diploma in Maritime Business, SP SMA
- Shafwana Seerin D/O Saleem, Diploma in Maritime Business, SP SMA
- Michelle Lee Puay Shan, Bachelor of Science Economics with Maritime Economics Concentration, SMU

Why Maritime?

We were curious as to how our scholars decided on a maritime curriculum, and this is what we learnt from them; Puteri and Bo Feng had their family members to thank for as they received much inspiration and influence from their grandfather and sister respectively. Shafwana learned about maritime through the Singapore Polytechnic Open House while Michelle chanced upon it while tasked to design a newsletter for Maritime Economics Concentration (MEC).

Unanimously, we also hear them sharing that they find the maritime industry exciting, engaging and unique. The maritime industry operates as

a whole universe by itself, spanning across different segments, like ports, marine and offshore, shipping and the supporting ancillary services. Some other attraction points also include the global interconnectedness and the diversity of roles in the industry.

It is always exciting to hear how the younger generation learned about the industry, and what we can do to continuously build awareness for the industry.

6 months on...

6 months after receiving the MaritimeONE scholarship award, our scholars shared their experiences and impact it had on their lives.

They felt **privileged**, having the opportunity and exclusive invitations to networking and industry talks, which greatly helped in increasing their understanding of the industry trends and challenges. At these events, they received the **exposure** which many of their friends do not get; like speaking to fellow senior scholars who had joined the workforce.

Another plus point of the scholarship is the **motivation** and **focus** they enjoy, as this frees them from financial worries; and the ability to spend more time on school rather than part-time jobs. Shafwana, for one is motivated to do well as she wants to uphold the trust of the sponsor (SSA) and her parents. Coincidentally, Bo Feng also feels motivated to do well as he does not want to disappoint his family and friends, who are constantly supporting him.

Michelle points out that she feels more

confident after being awarded the scholarship; as her efforts are recognised. This reassured her on her pursuit for a future career in shipping.

With the scholarship, they see it as a **competitive edge** against their peers; having a head start in the establishing valuable networking and understanding of the industry. They believe it will be an advantage when looking for jobs as it enhances their resume and individual portfolio.

It is heartening to see the positive impact the scholarship has on the 4 recipients. We like to wish them continued success in their studies and look forward to welcoming these young budding talents into the maritime industry in the near future.

The MaritimeONE Scholarship

At SSA, we hope to continue grooming young talents for ongoing efforts to bring in fresh blood into the industry. This will hopefully bring in new ideas and opportunities for the industry. Since its inauguration in 2007, the MaritimeONE Scholarship programme has successfully sent 275 young men and women on a journey to pursue their choice of maritime-related tertiary education. We look forward to more companies joining us as valued sponsors for the MaritimeONE scholarship programme. Kindly visit the following link for the MaritimeONE Scholarship brochure for more details on the programme:

https://www.ssa.org.sg/images/ssa/pdf/ssa025eml_MaritimeONE_Brochure_online.pdf.

SINGAPORE MARITIME WEEK

23 – 28 April 2017



SSA MARITIME LEARNING JOURNEY AT THE RAFFLES LIGHTHOUSE

The Singapore Maritime Week is the leading maritime event in Asia, where the international maritime community convene for a week long of diverse activities ranging from exhibitions, conferences, dialogues and social events. Once again, the Singapore Shipping Association worked in tandem with the Maritime and Port Authority of Singapore (MPA), Singapore Maritime Foundation (SMF) and Association of Marine Industries (ASMI) and actively participated in a range of activities. The Singapore Maritime Week endeavors to increase awareness of the industry in the local and international market, build interest in the sector, strengthen business competencies and address key concerns in the uncertain market outlook.

SSA kicked off the Singapore Maritime Week by hosting a Media Breakfast Session with key international and local media delegates on 24 April 2017. The hour and a half dialogue highlighted SSA's main focus for 2017 in helping Singapore to raise the bar as a leading International Maritime Centre. The key initiatives are: Regional Collaboration, Operational Excellence, Finance, SWRM Progress, Innovation and Smart Shipping.

Esben Poulsson, SSA President, delivered the opening speech, while the rest of the team comprising of Lisa, Gina, Steen and Michael, led an engaging and candid dialogue with both international and local journalists. During the dialogue, SSA shared on the role it plays in championing the exemption of Ballast Water Management in the ASEAN region and as an advocate for the maritime industry in Asia. The journalists were also given insights on the Kuala Lumpur Transport Strategic Plan and SSA's mission of innovation and smart shipping as a game changer to propel Singapore to be future ready and more productive. Gina Lee-Wan, representing the SSA Legal and Insurance Committee, shared about the progress of the Singapore War Risk Mutual and its intention to add a Singapore Clause in the near future. There were also a lot of interest generated as Lee Keng Mun shared on the upcoming inaugural Maritime Capital Forum which serves to connect best in class shipping companies with institutional investors. Interestingly, Singapore who was ranked the Leading Maritime Capital of the World in the latest 2017 Menon Report scored weakest in the legal and finance category. Hence, these two initiatives are timely and will enhance Singapore's competitiveness globally.



RAISING THE BAR FOR SINGAPORE AS AN IMC IN 2017

During the week, SSA Council Members were also heavily engaged in numerous events; speaking and sharing insights, participating in dialogues on topical maritime issues, and lending their support in every way to make the event an enriching and successful one. Esben Poulsson, SSA President delivered a speech at the inaugural Japanese Shipbuilding & Ship Machinery Seminar and at the Singapore Shipping Forum by Moore Stephens and BNP Paribas.

Mike Meade, Chairman of the SSA Offshore Committee, was also a speaker for the Offshore Marine Breakfast at Sea Asia, which drew a lot of interest due to the economic plight of the offshore industry. Our very own Executive Director, Michael Phoon, was a panelist at the ReCAAP ISC Piracy & Sea Robbery Conference, which had gained much interest over the last 2 years.

As we prepare for the future, nurturing the next generation has never been more important for SSA. At this year's SMW, SSA took the opportunity to reach out to the young at Sea Asia 2017. The SSA was involved in the SEA Asia Youth Tour as MaritimeONE guides, to introduce Singapore's shipping industry to students, and to spark interest in them in pursuing a maritime career. It was highly received with participation of more than 225 students and career counsellors.

The annual Maritime Learning Journey was also conducted for SSA members to increase awareness of the various maritime players and

their role in the industry. The event covered various locations including Jurong Port, Jurong Port Academy and Wavelink Maritime Institute. More than 80 members had the opportunity experience a Full Ship Mission Simulator, a Crane Operator Simulator, and were also granted special access to the Raffles Light House.

The Singapore Maritime Week attracted more than 20,000 participants from around the world, with a cosmopolitan profile of participants. They range from students to maritime decision-makers and international delegates, reflecting the vibrancy and diversity of Singapore as a major International Maritime Centre.



FROM THE DESK OF CAPTAIN ANG CHIN ENG

SSA Technical Director

Upskilling continues to be key

A Brief History

The SSA Executive Development Programme (EDP) was established in 1991, with the mission to continually upskill maritime companies to stay relevant and to be future ready. The EDP first inaugurated with 2 courses, but has now expanded to a total of 16 courses.

The programme has a widespread of courses ranging from sector specific technical courses like the Code of Practice for Bunkering to Shipping Documentation and even Human Resource related courses like Maritime Human Resource Management. The courses draw expertise from both local and foreign educational institutions, while the lecturers engaged are a committed and experienced team of qualified professionals, with vast experiences in the maritime industry.

Objectives of the SSA Training Program

The objectives of the SSA Executive Development Programme (EDP) is to enhance the standard of Singapore's maritime industry, through equipping shipping professionals with pertinent and relevant skill-sets. It aims to increase efficiency and productivity within the workplace, through imparting practical management techniques and the latest business information. It also strives to promote the maritime industry as the career choice for the younger generation, with cost-effective rates and a series of grants and funding aid available.



A Review of 2016-2017

In the past year, the EDP has seen an increase of 20% in training expenditure by local maritime companies. In spite of the challenging market in 2016, companies have continued to upskill their employees to stay relevant and future ready. More than 500 executives are trained annually, and the numbers continue to rise.

Through the support of the government, 57% of the courses were funded by the Maritime Cluster Fund. The collaborative effort between SSA and the government has allowed for the courses to be more cost-effective, contributing to a higher take up rate.

Most recently, the Maritime Cluster Fund – Manpower Development (MCF-MD) fund were also extended to both Singapore Citizens and Singapore Permanent Residents applying on a self-sponsored basis, with effect from 13 February 2017. This is an improvement to the old requirement where applicants had to be sponsored by their companies.

“It is heartening to note the continual focus on upskilling by both the government and companies. It is also a testimony that the curriculum is meeting the industry needs” said Captain Ang Chin Eng, SSA Technical Director.

“This course provide a good understanding of the shipping industry, and is very beneficial especially for individuals who may not be in direct contact with shippers” said Alexis Wong, Human Resource Executive, Navig8 Asia Pte Ltd, who attended the Introduction to Shipping Course.

Another course attendee, Eustance Ong, Executive Officer at W K Webster International Pte Ltd, also gave feedback “SSA provides

quality lecturers as they are knowledgeable, experienced, and frequently engages with the class, making it very interactive” he said.

Looking Ahead

With the evolution of technologies and regulations, SSA strives to be at the forefront of ensuring its members are equipped to face transitions and changes. Since 1 January 2017, TR48:2015 Bunker Mass Flow Metering (MFM) for fuel oil bunkering was enforced as a mandatory requirement to improve operational efficiency, transparency and increase productivity of the bunker industry.

To facilitate the implementation, SSA developed a 1.5 days Refresher Course for Bunker Surveyors and Cargo Officers in 2016 – including MFM, to ensure that our members are well informed and properly trained. It is now a mandatory course, approved by MPA, for licensed Bunker Cargo Officers and Surveyors. It aims to provide practical knowledge of the requirements laid out in the Singapore Standard SS600:2014 Code of Practice in Bunkering and Technical Reference TR48:2015, heighten awareness for personal safety and ensure professionalism among frontline bunkering officers.

From 2017, SSA will also be launching a MFM introductory course “Introduction to Bunker Mass Flow Metering”. The course aims to promote interest and participation among office and administrative staff on the equipment, procedures and associated documentation of MFM bunkering. It is non-mandatory and its content will be targeted at non-technical audiences. The course will also serve to educate the general public about new technologies and equipment in the bunkering industry, stirring up greater worldwide acceptance, as we embark on the next leap in bunkering.

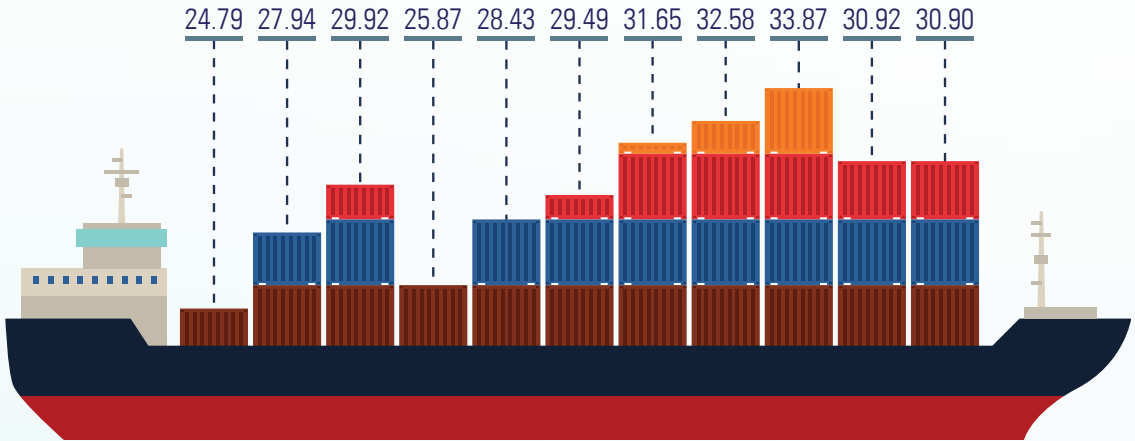
To support MPA’s vision of growing Singapore’s maritime cluster through training upskilling and upgrading, SSA is working in extending its courses to the general public under the SkillsFuture initiative. This will provide alternatives to the Singapore workforce, especially mid-life career switches, as well as increase awareness of the shipping industry.

Looking ahead, with the implementation of the global sulphur cap to 0.5% in 2020 and stricter enforcement globally, it is envisaged that the Liquid Natural Gas (LNG) may take its place as one of the fuels of the future. In preparation of this development, plans are underway on the possibility of collaborating with other institutions to offer basic introductory courses on LNG. More updates will be provided as they get finalised.

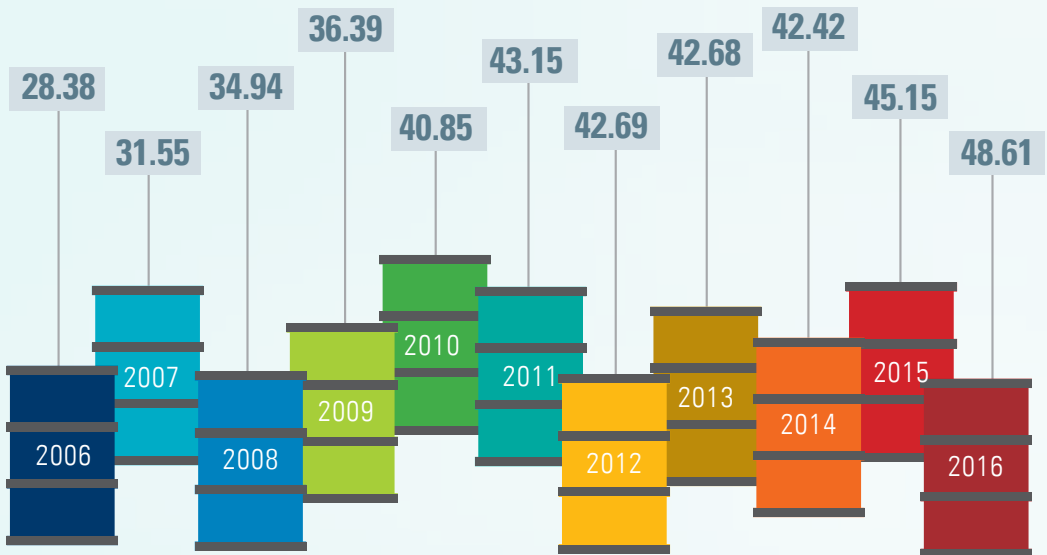


PORT AND SHIPPING STATISTICS >>

>> Container Throughput (million TEUS)

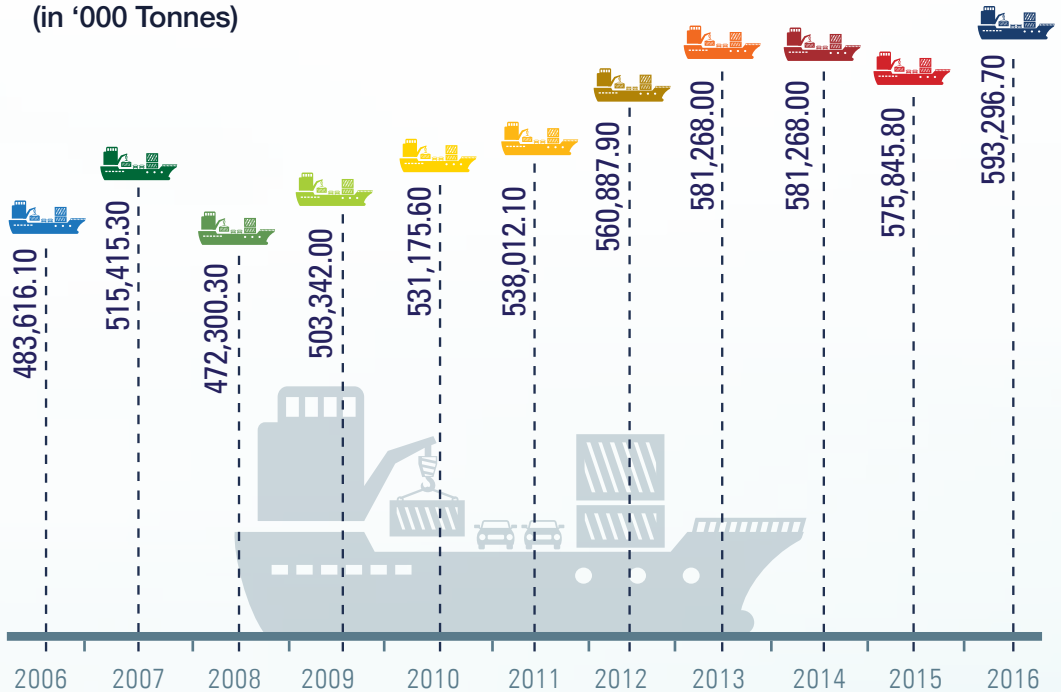


>> Bunker Uplift (million tonnes)









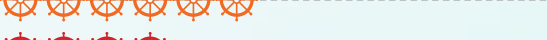
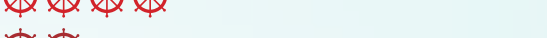
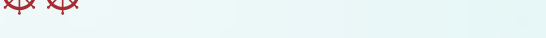


» Total Seaborne Cargo

(in '000 Tonnes)



» Singapore Registry of Ships

		VESSELS	GT(MILLIONS)
2016		4,717	88.02
2015		4,739	86.30
2014		4,595	82.25
2013		4,379	73.62
2012		4,232	65.02
2011		4,111	57.36
2000		3,978	48.78
2009		3,950	45.63
2008		3,843	43.70
2007		3,553	39.60
2006		3,249	34.79

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