

## **Annex B: Quotes from Members of MASSPorts**

**China (China Maritime Safety Administration)** - Mr. YANG Xinzhai, Deputy Director-General of China Maritime Safety Administration, said, "The development of new and advancing technologies is exerting comprehensive influence on the shipping industry, which further deepens the integration of shipping into the global supply chain, making it more smooth, reliable and efficient. China is willing to join efforts with international partners to push forward the innovative and sustainable development of the shipping industry through international cooperation platform like MASSPorts Network."

**Denmark (Danish Maritime Authority)** – Mr Andreas Nordseth, Director-General of the Danish Maritime Authority said, "In the maritime industry today, there is a strong need for development and utilization of digital technology at all levels. Autonomous technologies are without doubt part of the maritime future and we need to pave the way for the safe and efficient use of these new systems. Cooperation is key to this, and I welcome the MASSPorts Network as a forum for the important international collaboration in this area."

**Finland (IMO High-Level Representative of Ministry of Transport and Communications)** - Mr. Mikael Nyberg, High-Level Representative for Transport and Communications Policy from Finnish Ministry of Transport and Communications, said, "In the future, it will be great that the experiences and lessons learned through this network can be used in practical advocacy work in international arenas and as technology advances."

**Japan (Maritime Bureau, Ports and Harbours Bureau, Japan Coast Guard of Ministry of Land, Infrastructure, Transport and Tourism)** - Mr Hideaki Saito, Deputy Director-General for Engineering Affairs, Maritime Bureau, Ministry of Land, Infrastructure, Transport and Tourism of Japan said "It's an honor for Japan to join the MASSPorts network. Japan has accelerated the development of the autonomous technology with the view to reduction of the workloads on seafarers, reducing the risks of accidents and improving efficiency of shipping operations. At present, through R&D and trials, Japan is focusing on three types of autonomous technologies: autonomous navigation/collision avoidance, remote control navigation and automated berthing. We are willing to contribute to the network through the R&D and trials with the aim of providing the network's outcome with the IMO which plays an important role to realize MASS operations."

**The Netherlands (Port of Rotterdam)** - State Harbourmaster of Port of Rotterdam Authority, Mr. René de Vries said, "The Port of Rotterdam is willing and determined to participate in the MASSPorts Network. We are aware of the fact that conventional shipping will remain a reality in our port but we are also convinced that smart ships and even autonomous ships will be visiting Rotterdam as well. Smart ships need smart

ports. Innovative co-operation between ports, the industry and shipping is key. We feel that the launch of this network is very important and we consider this group of ports and maritime countries as a coalition of the willing to move forward, to co-operate and to share.”

**Norway (Norwegian Coastal Administration and Norwegian Maritime Authority)**

- Acting Director General of Shipping and Navigation, Norwegian Maritime Authority, Lars Alvestad says: “The environment and new technological solutions within the maritime sector are a high priority for Norway, and it was natural for both the Norwegian Maritime Authority and the Norwegian Coastal Administration to engage in autonomy at an early stage. We have together played a key role in the establishment of three test areas for autonomous solutions in Norwegian waters as well as the establishment of the Norwegian Forum for Autonomous Ships. The Norwegian Maritime Authority is also the first administration to deliver clear guidelines on how we can accept autonomous ships in national, commercial operations. We are very positive about the international cooperation that is now being established and hope that we can share and acquire knowledge across the nations. We hope this will increase the focus on technology and autonomy globally and lead to standardized solutions which will make shipping greener and more efficient.”

**Republic of Korea (Smart Shipping & Logistics Division of the Minister of Ministry of Oceans and Fisheries)**

- Mr. Kim Chang Kyun, Director General for Policy Advisor of the Minister of Ministry of Oceans and Fisheries, Republic of Korea said, “The Republic of Korea will invest about 130 million dollars for six years from 2020 to 2025 to develop autonomous navigation systems for MASS and apply it to the actual vessel where international voyage is possible. In addition, smart marine logistics infrastructure and services such as smart ports and hyper-connected maritime communication (LTE-M) will be established in the shipping and port sectors in line with the development and commercialization of MASS. We look forward to seeing that these infrastructures become one of the pillars of the MASSPorts Network and contribute significantly in many ways.”

**Singapore (Maritime and Port Authority of Singapore)**

- Ms Quah Ley Hoon, Chief Executive of the Maritime and Port Authority of Singapore, said, “Autonomous navigation is an important part of our plans to be a future-ready port. We see MASS having the potential to enhance navigational safety and increase productivity. We are glad to work with like-minded international partners who are aligned in shaping the future of the international shipping.”