UK Marine Autonomous Systems Regulatory Working Group Conference 16th to 17th November Unmanned Surface Vessel Regulation – The Human Element Day 1 Wednesday 16th November

Registration and Welcome					
Time	Title	Speaker	Affiliation		
0830 - 0900	Coffee & Registration				
0900 - 0910	Welcome	Kevin Forshaw	Associate Director, Innovation and Enterprise, NOC		
0910 -0930	Opening Keynote	Ashok Mahapatra	Director, Maritime Safety Division, International Maritime Organisation		
The Vision	n for USV's				
0930 -1000	Future Legal Benefits from Unmanned Surface Vessels	Professor Henrik Ringbom	Part-time Professor at the Scandinavian Institute of Maritime Law at the University of Oslo and Adjunct Professor in maritime law and the law of the sea at Åbo Akademi University.		
1000 – 1030	The future is large USV's	Eshan Rajabally	Engineering Consultant, Project Manager and Technologist, Rolls Royce		
1030 – 1100	Creating the right conditions for growing the MAS Industry	John Murray	CEO Society of Marine Industries		
1100 – 1130	Coffee				
USV's and	the Human Element				
1130 – 1200	A Framework for UMS Certification incorporating the Human Element	Tim Kent	Technical Director, Marine & Offshore Lloyds Register		
1200 – 1230	The Legal Viewpoint	Professor Eric Van Hooydonk	Professor, Antwerp University and partner, Eric Von Hooydonk, lawyers		
1230 - 1300	Skills for the safe operation of USV	Dr Bev Mackenzie Glenys Jackson	Technical and Policy Director, Institute of Marine Engineering, Science and Technology (IMarEST) Head of Merchant Navy Training Board		
1300 – 1400	Networking Lunch	otenyo suekson	read of merchant vary maining board		
1400 – 1430	A Perspective from the Shipping	John Murray	Director Marine,		
1420 1500	Industry A Mixed Maritima Operating	lim Coorer	International Chamber of Shipping		
1430 - 1500	A Mixed Maritime Operating Environment – Ships and USVs	Jim Scorer	Secretary General, International Federation of Shipmasters' Associations		
1500 - 1530	Insurance for MAS	Richard Morgan	Marine Insurance Director, Towergate		
1530 - 1600	Coffee	, ,	, 0		
The Regu	 latory Working Group Co	de of Practice			
1600 – 1630		Andy Higgins	QinetiQ, Member of the MAS Regulatory Working Group		
	Code of Practice				
1630 - 1730	Panel Discussion	James Fanshawe, Professor Henrik Ringbom, Eshan Rajabally, Anderson Chaplow, Dr Bev Mackenzie, Andy Higgins			
1730 – 1900	Conference Drinks	Shaplow, Di Dev Muchelizie, Aliay Higgilis			
2000	MATS Showcase Dinner Tickets can b	pe purchased at the following link: https://conf	erence.noc.ac.uk/product/mats-showcase-2016-gala-dinner		



MASRWG Conference 16th to 17th November

Unmanned Surface Vessel Regulation – The Human Element

Day 2 Thursday 17th November

Time	national Perspective Title	Speaker	Affiliation
0830-0840	Welcome	James Fanshawe	Chair, UK MASRWG
0840 -0900	Keynote	Sir Alan Massey	Chief Executive at UK Maritime and Coastguard Agency
0900 - 0930	Autonomous Ships and the COLREGS	Professor Zhang Renping	Director, International Maritime Convention Research Centre,
	1972	5 . 5	Dalian Maritime University, China
0930 -1000	Towards the establishment of USV	Dr Sun Young Kim	Korean Research Institute of Ships and Ocean Engineering
	regulation in Korea	Dr Yeon Min Kwak	Korean Register
		Professor Jung Sik Jeong	Mokpo National Maritime University
1000 - 1030	Coffee	<u> </u>	
1030 - 1100	UMS Safety and Regulation	Magnus Ornfelt	Chairman, Safety and Regulations for European Unmanned
			Maritime Systems (SARUMS)
1100 - 1130	USVs in USA – Regulators'	George Detweiler	Marine Transportation Specialist
	Perspective		Navigation Standards Division
			Office of Navigation Systems
1100 1000	Harris and Maritims Contains and	D. LD. L. D. CAPT LIGHT (1)	US COAST GUARD
1130 - 1200	Unmanned Maritime Systems and	Rand D. LeBouvier, Ph.D., CAPT, USN (ret)	Chair of the Association for Unmanned Systems International (AUVSI) COLREGS Subcommittee
	COLREGs: An Industry Perspective		(AOVSI) COLREGS Subcommittee
Towards	an Informal International	Correspondence Group	
1200 -1205	Proposal	Professor Andy Norris	Head of Delegation to IMO of the International Association of
			Institutes of Navigation (IAIN)
			Special Professor of Navigation Technology, University of Nottingham
1205-1245	Panel Discussion with questions from	Sir Alan Massey, Professor Zhang Renping,	
	the floor	Professor Jung Sik Jeong, Magnus Ornfelt,	
		George Detweiler, Professor Andy Norris,	
		Rand LeBouvier, James Fanshawe	
		Jamasa Fanahawa	
1245 - 1300	Conference Closing Summary	James Fanshawe	

