

ANNEX A TO CHAPTER 3

MASS OPERATIONAL AND EVALUATION TRIALS PLAN

The purpose of the Operational and Trials Plan proforma is to facilitate the initial contact with a chosen Waterspace Authority and to begin the process of operational deployment planning and approvals. The format provides a recognisable standard (to the Authority) and holds UK MASS CoP endorsement. It concisely covers the essential planning information necessary for the approvals discussion to develop on both sides towards the ultimate signature of the Authority Approval to Operate.

The blank Proforma is available on the Maritime UK web at www.maritimeuk.org, through the Media Centre and Resources tabs and is shown on the following pages.

OPERATIONAL AND TRIALS PLAN PROFORMA

Plan reference:		
Trial serial number		
Date code		[YYYY-MM-DD]
Trials identifier name		
Launch Location / Home Port		
Operations area		

MASS Owner/Shipowner Contact details:	
Corporate Name	Address
Owner/Ship Owner	
Main Operator / Responsible person Master Operating & Emergency contacts Designated person ashore	Definitions as per Ch 2 of the CoP
Insurance Company and Policy Number	

Contact person(s):			
Name(s)	Email address(es)	Telephone number(s)	Title / Responsibility / Training and Experience
	People and experience relevant to operation conduct and execution		

Date and location of operation:	
Please identify the intended operational area(s). Use the most appropriate means of defining location such as co-ordinates latitudes/longitudes or by marking on a chart image to be inserted or attached. Add further lines if more locations are needed	
Location(s)	L1: including Charts and areas to be employed
	L2:

Schedule:		
Dates / times	Location	Activities
	[e.g. L1]	[e.g. station keeping, target towing, high speed runs]
		[or detail Operational window for trials/Ops to allow flexibility for delays, programme changes or weather]

Uncrewed craft details:			
Total number of Crewless craft			
Please complete the following, and create a separate table for each craft involved in the trial:			
Name(s)			
AIS Transmission?	Yes/No. Note – AIS should normally be fitted.	MMSI:	
Length overall		Beam	
Draught		Displacement	
Max speed		Operational speed	
Propulsion type	[e.g. twin propeller]	Fuel	[e.g. Lithium ion battery]
Payloads	[and detail any towed sensors: size and depth]		
Visual & sound identification	[e.g. port of Origin & Destination, vessel description; shapes, lights, sound signals, flags]		
Design and Build Assurance details if available (Including Load Line requirements if appropriate)			
Picture of Vessel	Add attachment picture, for visual identification		

Main Remote Control Centre:	
If there are several Remote Control Centres, please provide details for the main centre or a central point of contact for the duration of the trial.	
Location	
Contact details	
Control link type 1	
Frequency 1	
Control link type 2	
Frequency 2	
Details of OFCOM license if appropriate	

Safety Case:

Safety Case / Risk Assessment	Reference to attached Documents
Please specify the consequences in the event of a failure of command and control datalink:	
[e.g. propulsion will stop after a timeout of 15 seconds] Include use of guard ship/support vessels employed or on immediate stand-by Immediate salvage of 'vessel not under command' (Total power loss or Command Link failure)	

Support craft:

Number and type of support craft	
Name / call sign	
Phone number	
MMSI if transmitting on UAIS	
Intended role during trial, and station/proximity during trial/Ops	[including, Time to close to crewless craft & station keeping requirements]
Crewless craft recovery method	[Including role to tow vessel to and from harbour facility or launch area]

Brief description of trials operations:

Please provide a description of intended operations
[e.g. – the USV will be running a survey pattern in an area South of Bear Island, typically comprising a raster pattern or 20 lines, spacing 10m apart and 500m long, South of Bear Island and clear of shipping lanes; a manned support craft will remain in line of sight within 300m of the USV for the duration of the trial]

Additional information:

[e.g. – this is similar to trial serial number or date (yyyy-mm-dd). [Other authorities/contacts to be informed e.g. adjacent waterspace authorities, intended trials promulgations, collaborative trials with other operators, communication broadcasts]
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Post Operation Review:

[e.g. Lessons Identified, Debrief issues, Feedback to appropriate authorities]
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Approval (If required):

Constraints
[e.g. approved for daylight operations, support boat to keep watch on Channel 13]

Approval signature:

Appropriate authority	[e.g. Which authorities have been consulted]
Name	
Signature	