

Serial No.	Major Contract Requirement	Related Requirement or Information	Authorising Authority	Customer's Estimated Quantity	Performance Standard
C3	Marine Target Towing (MTT)	<p>a. The service required is for a vessel to tow a waterborne target for two different types of aircraft training serials. The towing of a waterborne target by a vessel is referred to by aircrew under the general term 'Marine Target Towing' (MTT).</p> <p><u>Marine Target Towing for Fast Jets (MTT-FJ)</u></p> <p>a. Marine Target Towing will be required in the full range of Sea State 4.</p> <p>b. The target will be required to be towed at speeds of between 12 and 15kts.</p> <p>c. A more detailed description of the task requirement, including a general description of the 'Larne' target, can be found in the MoD Tasking Guidelines.</p> <p>d. The provision, maintenance and replacement of the 'Larne' target will be the responsibility of the Contractor.</p> <p>e. At the end of the contract period the then current operational number of fully serviceable 'Larne' targets (minimum of 4) and design drawings are to be transferred to the Authority or its nominated Contractor.</p> <p><u>Marine Target Towing for Maritime Sniper Training (MTT-MST)</u></p> <p>a. Marine Target Towing will be required in the full range of sea state 4.</p> <p>b. The target will be required to be towed at speeds of between 12 and 18kts.</p> <p>c. A more detailed description of the task requirement can be found in the MoD Tasking Guidelines.</p> <p>d. The provision, maintenance and replacement of the Customer agreed target will be the responsibility of the Contractor.</p>		<p>a. All hours referred to are 'on task time' and do not include any element of time required for transiting to and from the tasks.</p> <p>b. Further details relating to the timings and programming of Marine Target Towing are contained in the programming paragraphs of the individual serials.</p>	<p><u>Availability.</u></p> <p>a. The Contractor must be available to be tasked, on location, as required during the defined programmed periods, (where location, is the point of service delivery, as requested by the Customer, within the locality defined in this section.</p> <p><u>Performance.</u></p> <p>a. The Contractor is to be on task, on time - 100%</p> <p>b. Delivery of the task must meet the Customer's requirement on the day and be in accordance with any operating guidelines and procedures provided by the Authority – 100%.</p>

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C3.1	Marine Target Towing Fast Jet (FJ) All Areas	<p>a. Tow a MOD design target for aircraft primarily based at RAF Lossiemouth, RAF Coningsby and RAF Marham.</p> <p>b. Areas of operation: Exercise Areas D809 in the Moray Firth (See Admiralty Practice and Exercise chart Q6405); and Exercise area D513 NE of Blyth (See Admiralty Practice and Exercise chart Q6405).</p> <p><u>Programming</u></p> <p>a. Tasking will generally be programmed within the East Coast programme periods.</p> <p>b. During the summer months the service may be required on the range up to 2100hrs.</p> <p>c. To undertake the target towing task within the agreed East Coast Programme Periods given 14 working days notice of a requirement subject to other MoD tasking priorities.</p> <p>d. Bookings outside the East Coast Programme Period may be agreed by the Authority where resource allows.</p> <p>e. The task should still be met if less notice is given where this allows sufficient time for the Contractor to mobilise suitable available assets to the required training area and where this will not conflict with other MoD or commercial customers.</p>	Air Cmd 1 Gp	a. Allow for 12 serials per year to meet an annual requirement of 12 hrs on task. Normally no more than 2 hrs in any single day.	See C3

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C3.2	Marine Target Towing	a. Tow a User agreed suitable target for RM sniper teams operating from Lynx helicopters as part of training courses undertaken from RNAS Yeovilton and occasionally from RM Poole.	CO RNAS Yeovilton	a. Allow 2 training courses each per annum for RNAS Yeovilton / FPGRM; each requiring two day and two night target tows across a two day period.	See C3
	Maritime Sniper Training (MST)	b. Area of operations: Portland Exercise Areas: (See Admiralty Practice and Exercise chart Q6405).		b. Duration of each series of tows will be up to 6 hours.	
	Portland Area.	<p><u>Programming</u></p> <p>a. Tasking for FPGRM will generally be programmed during Mar/Apr and Sep/Oct.</p> <p>b. During the summer months the service may be required on the range up to 0100hrs.</p> <p>c. To undertake the target towing task given 1 month's notice of a requirement subject to other MoD tasking priorities.</p> <p>d. The task should still be met if less notice is given where this allows sufficient time for the Contractor to mobilise suitable available assets to the required training area and where this will not conflict with other MoD or commercial customers.</p>			

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Marine Target Towing – Vessel Requirements

Towing Craft – MTT (FJ)

Due to the specific safety and training requirements of target towing for military aircraft, any vessel(s) engaged to meet such training must have the following specific attributes:

- a. An operational MCA type approved radar with a minimum range of 12nm, an automatic plotting aid and a 'guard zone' facility, to help ensure the appropriate 'clear range' radius is maintained around the target;
- b. An electronic position fixing system able to pinpoint the vessel's position within 200 metres so that the vessel can be readily identified at a distance by an aircraft;
- c. A UHF am communications system capable of transmitting and receiving in the frequency range 225 Mhz - 399 Mhz (in 25kHz steps) to allow the master to maintain constant two way communication with the aircraft throughout the exercise;
- d. **AIS Class B is to be fitted and maintained in a fully operational state on all Contractor owned or operated craft supporting these specific serials; and on any sub-contracted craft;**
- e. Of sufficient size and stability to enable a man to stand and make accurate marking of the 'fall of shot', at a distance of 1200 metres, using a MoD design marking rake called a Watson Crossbow (further details are contained in **MoD Tasking Guidelines**);
- f. Able to deploy and recover the target at tow lengths up to 800 metres. The current rope toelines in use have a breaking strain of 6 tonnes. The strain in the towline produced by a 'Larne' target towed at 12 knots is about 1 tonne.

Towing Craft – MTT (MST)

Due to the specific safety and training requirements of target towing for military aircraft, any vessel(s) engaged to meet such training must have the following specific attributes:

- a. An operational MCA type approved radar with a minimum range of 12nm, an automatic plotting aid and a 'guard zone' facility, to ensure the appropriate 'clear range' radius is maintained around the vessel;
- b. An electronic position fixing system able to pinpoint the vessel's position within 200 metres so that the vessel can be readily identified at a distance by an aircraft;
- c. A VHF am communications system capable of transmitting and receiving in the frequency range 225 Mhz - 399 Mhz (in 25kHz steps) to allow the master to maintain constant two way communication with the aircraft throughout the exercise;
- d. Able to deploy and recover the target at tow lengths up to 500 metres.