

Serial No.	Major Contract Requirement	Related Requirement or Information	Authorising Authority	Customer's Estimated Quantity	Performance Standard
C4	Range Clearance and Safety Duties	<p>a. The service required is to provide marine support for Range Clearance and Range Safety Duties in and around the various Sea Danger Areas (SDAs) of military live firing ranges situated around the coastline of the British Isles.</p> <p>b. The service will be required to be undertaken in sea state 5 conditions unless stated otherwise under the individual range serials.</p> <p>c. The task generally requires the provision of one or more range safety craft to assist the individual ranges in ensuring that the Sea Danger Areas on each range are cleared prior to the planned time for commencement of firing and maintained clear throughout the firing period. A more detailed description of the task requirement can be found in the MoD Tasking Guidelines.</p> <p>d. A 'suitable vessel(s)', as required on each range, will need to meet the minimum criteria laid out in the vessel requirements section at the end of this Serial unless otherwise agreed with the individual range authority.</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. Stated firing times given are the normal programmed start and finish times. In the event of a misfire a 'soak period' will be activated to ensure the shell is safe prior to its removal and this period may extend for up to one hour after the normal programmed finish time. A range safety craft will be required on station during this 'soak period'.</p> <p>c. For each range an indication has been provided of the maximum number of firing days per annum established to meet User Unit training programmes. In addition an indication of the probable take-up based on recent history is also provided, significant variation either side of this is possible due changes in year on year and long term User training programmes.</p> <p>d. Where a range makes a request to exceed the Contractor's tendered annual 'boatday' capacity in any area the Authority's Contract Manager is to be notified together with proposals on how the Contractor will meet the additional demand.</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 the individual serials.</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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C4.1	<p>Range Clearance and Safety Duties</p> <p>Cinque Ports Army Training Estate South East (ATE (SE)),</p> <p>Hythe Range Complex</p>	<p>a. The core requirement is for a single 'suitable vessel' on each firing day and firing night throughout the year.</p> <p>b. Area of operations – off Hythe, just south of Folkestone (see Admiralty Practice and Exercise Area chart Q6401).</p> <p>c. Suitable representatives of the PSP will be required to attend a Fisheries Liaison meeting at the range complex at 6 monthly intervals.</p> <p><u>Programming</u></p> <p>a. The range complex operates throughout the year with the exception of Christmas Day.</p> <p>b. There are also a number of weekends when the range is closed and whenever possible these closed weekends are planned to include Bank Holidays.</p> <p>c. Weekday and weekend firings will normally occur between the times of 0830 to 1630. Night firings will normally take place between 1700 and 2100, or 1900 to 2300 dependent on the time of the year.</p> <p>d. The latest time the service will be required on the range is 2300.</p> <p>e. The range will provide a monthly programme 6 weeks ahead. Generally at least 24 hours notice will be given of any changes to the programme, though to meet urgent operational demands this may be as little as 12 hrs.</p>	<p>DIO DTE Ops</p>	<p>a. To meet normal training programmes the range can be activated on up to 320 days each year.</p> <p>b. The current annual take-up is of the order of:</p> <p>240 daylight firings during weekdays; 70 night time firings during weekdays; 70 daylight firings during weekends; 20 night time firings during weekends.</p>	<p>See C4</p>

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C4.2	Range Clearance and Safety Duties – Cinque Ports Army Training Estate South East (ATE(SE)), Lydd Range Complex	<p>a. The core requirement is for a single 'suitable vessel' on each firing day and firing night throughout the year.</p> <p>b. Throughout the period Easter to end of September a second suitable vessel may be required to provide additional cover when high calibre weapons are being fired and both the Southern and Eastern Extensions to the range Sea Danger Area are activated.</p> <p>c. Area of operations – between Rye and Dungeness Point (see Admiralty Practice and Exercise Area chart Q6401).</p> <p><u>Programming</u></p> <p>a. The range complex operates throughout the year with the exception of Christmas Day.</p> <p>b. There are also a number of weekends when the range is closed and whenever possible these closed weekends are planned to include Bank Holidays.</p> <p>c. Weekday and weekend firings will normally occur between the times of 0830 to1630. Night firing will normally take place between 1700 and 2100, or 1900 to 2300 dependent on the time of the year.</p> <p>d. The latest time the service will be required on the range is 2300.</p> <p>e. The range will provide a monthly programme 6 weeks ahead. Generally at least 24 hours notice will be given of any changes to the programme, though to meet urgent operational demands this may be as little as 12 hrs.</p> <p>f. The Southern and Eastern Extensions are automatically notified for each Tuesday and Thursday for heavy calibre firings – 12 hours notice is given if there is no requirement.</p>	DIO DTE Ops	<p>a. To meet normal training programmes the range can be activated on up to 320 days each year.</p> <p>b. The current annual take-up is of the order of: 210 daytime firings during weekdays; 100 night time firings during weekdays; 50 daytime firings during weekends; 15 night time firings during weekends.</p> <p>c. A second vessel will be required for up to 10 daytime firings per month during weekdays - up to 80 per year.</p>	See C4

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C4.3a	Range Clearance and Safety Duties Air Defence Range Manorbier	<p>a. The core requirement is for a single 'suitable vessel' on each firing day throughout the year.</p> <p>b. Secondary tasks will include: the laying and recovery of small buoys for trials; acting as a radar calibration target and assisting the Target Recovery Launch (not provided for within this contract) in the event that more than one target needs to be recovered simultaneously; support to Penally Range as per Serial 6.3b.</p> <p>c. Area of operations – Close West of Tenby, SW Wales (see Admiralty Practice and Exercise Area chart Q6402).</p> <p><u>Programming</u></p> <p>a. The range complex operates throughout the year on weekdays and weekends including public holidays, with the exception of August when the Range is normally closed for maintenance.</p> <p>b. Weekday firings will normally occur between 0900 – 1630 hrs.</p> <p>c. Night-time cover will not be required.</p> <p>d. Weekend firings will normally occur between 0900 – 1630 hrs.</p> <p>e. The range authority will issue an annual programme at the end of February for the period 01 Apr to 31 Mar of the following year. Monthly updates will be issued by the middle of the previous month to which they refer.</p>	DIO DTE Ops	<p>a. To meet normal training programmes Manorbier range can be activated on up to 255 days each year (inclusive of 40 weekend firing days).</p> <p>b. The current annual take-up is of the order of:</p> <p>120 daytime firings during weekdays;</p> <p>Nil night time firings during weekdays;</p> <p>10 daytime firings during weekends (for up to 12 hours per weekend).</p>	See C4

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C4.3b	<p>Range Clearance and Safety Duties</p> <p>Penally Training Camp Range</p>	<p>a. The core requirement is for a single 'suitable vessel' on each firing day from May to September subject to Manorbier Range commitments.</p> <p>b. If Manorbier and Penally are active concurrently then the active Manorbier craft will assist Penally, noting that support to Penally will be subordinate to Manorbier range.</p> <p>c. Area of operations – Close West of Tenby, SW Wales (see Admiralty Practice and Exercise Area chart Q6402). <u>Programming</u></p> <p>a. The range complex operates from February to October on weekdays and weekends including public holidays and throughout the month of August.</p> <p>b. Weekday firings will normally occur between 0900 – 1630 hrs.</p> <p>c. Night-time cover will not be required.</p> <p>d. Weekend firings will normally take place between 0900 – 1630.</p> <p>e. The range authority will issue an annual programme at the end of February for the period 01 Apr to 31 Mar of the following year. Monthly updates will be issued by the middle of the previous month to which they refer.</p>	DIO DTE Ops	<p>a. To meet normal training programmes Penally range can be activated on up to 100 days each year (inclusive of 30 weekend firing days).</p> <p>b. Weekend firings will take place on not more than 20 separate weekends.</p> <p>c. The annual take-up will be of the order of: 35 daytime firings during weekdays; 20 daytime firings during weekends (for up to 12 hours per weekend).</p>	See C4

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C4.4	Range Clearance and Safety Duties Army Field Training Centre, Castlemartin	<p>a. The core requirement is for two 'suitable vessels' for all daytime firings throughout the year. Normally only one 'suitable' vessel will be required for each night time firing throughout the year, though occasionally a second 'suitable' craft will be necessary.</p> <p>b. Secondary tasks will include Range Radar tests and occasional support to conservation work.</p> <p>c. Area of operations – Between Milford Haven and Barafundle Bay, SW Wales (see Admiralty Practice and Exercise Area chart Q6402). <u>Programming</u></p> <p>a. The range complex operates throughout the year between mid January to mid December with the exception of the first week in May.</p> <p>b. Daylight weekday firings normally take place between 0900 – 1630.</p> <p>c. Night firings normally amount to 3 hours between 1800 – 2359 hrs depending on the time of the year.</p>	DIO DTE Ops	<p>a. To meet normal training programmes the range can be activated on up to 235 days each year (normally between mid Jan and mid Dec).</p> <p>b. The current annual take-up is of the order of: 200 daytime firings during weekdays; 70 night time firings during weekdays; Occasional daytime firings during weekends; 15 night time firings during weekends.</p>	See C4

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C4.5	Range Clearance and Safety Duties Armoured Fighting Vehicle School, Lulworth	<p>a. The core requirement is for two 'suitable vessels' on each firing day and night throughout the year except during the period Nov – Feb inclusive when only one 'suitable vessel' is required after 2130hrs. In addition, a third suitable vessel will be required during the period Easter to end of September for all daytime firings only</p> <p>b. Both vessels are to be on range 1 hr before firing during the period May – September. During other times of the year one craft is to be on range ¾ hr before firing is due to commence and the other craft is to be on range ½ hr before firing is due to commence. The third vessel need not be on range until commencement of firing.</p> <p>c. Secondary tasks for the vessel will include supporting range radar calibrations.</p> <p>d. Area of operations – Lulworth Cove and St Alban's Head (see Admiralty Practice and Exercise Area chart Q6402).</p> <p><u>Programming</u></p> <p>a. The range complex operates throughout the year on weekdays and weekends with the exception of the following; public holidays: 10 - 14 days over the Christmas period, one week over late May Bank Holiday and the complete month of August.</p> <p>b. Weekday firings will normally occur between 0930 – 1600 hrs Monday to Thursday and 0930 - 1200 hours Friday.</p> <p>c. On firing weekends timings for Saturday are 0930 - 1600 hrs and for Sunday, 0930 – 1300 hrs.</p> <p>d. Night firings normally take place on a Tuesday and Thursday night. Times are:</p> <table data-bbox="548 1066 1064 1201"> <tr> <td>Nov - Feb inclusive</td> <td>1800 – 2359</td> </tr> <tr> <td>Mar - Apr</td> <td>2000 – 2359</td> </tr> <tr> <td>May - Jul</td> <td>2100 – 2359</td> </tr> <tr> <td>Sep – Oct</td> <td>2000 - 2359</td> </tr> </table>	Nov - Feb inclusive	1800 – 2359	Mar - Apr	2000 – 2359	May - Jul	2100 – 2359	Sep – Oct	2000 - 2359	DIO DTE Ops	<p>a. To meet normal training programmes the range can be activated on up to 230 days each year.</p> <p>b. The current annual take-up is of the order of: 190 daytime firings during weekdays; 70 night time firings during weekdays; 5 daytime firings during weekends; 6 night time firings during weekends.</p>	See C4
Nov - Feb inclusive	1800 – 2359												
Mar - Apr	2000 – 2359												
May - Jul	2100 – 2359												
Sep – Oct	2000 - 2359												

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C4.6	Range Clearance and Safety Duties CTCRM Straight Pt Range, Exmouth	<p>a. The core requirement is for one 'suitable vessel' for all daytime and night firings throughout the year.</p> <p>b. During the period 01 Mar to 01 Nov the vessel is to be on range 20 mins before firing. During the remainder of the year the vessel is required to be on station on the western edge of the Sea Danger Area (SDA) 20 minutes after being alerted (a transit distance of 3nm from Exmouth Marina).</p> <p>c. Area of operations – off Straight Pt, close east of Exmouth (see Admiralty Practice and Exercise Area chart Q6402). <u>Programming</u></p> <p>a. The range complex operates throughout the year on weekdays and weekends currently with the exception of the following range closure periods; 2 weeks over the Christmas period, 2 weeks over Easter and 3 weeks in the month of August.</p> <p>b. Weekday firings will normally occur between 0900 – 1615hrs Monday to Friday.</p> <p>c. On firing weekends timings are 0900 – 1615 hrs.</p> <p>d. Night firings normally take place on one to two nights per week. Times are:</p> <table data-bbox="546 922 969 983"> <tr> <td>Mar - Oct</td> <td>1700 – 2345</td> </tr> <tr> <td>Nov – Feb</td> <td>1700 – 2130</td> </tr> </table>	Mar - Oct	1700 – 2345	Nov – Feb	1700 – 2130		<p>a. To meet normal training programmes the range can be activated on up to 342 days each year.</p> <p>b. The current annual take-up is of the order of: 230 daytime firings during weekdays; 70 night time firings during weekdays; 48 daytime firings during weekends; 0 night time firings during weekends.</p>	See C4
Mar - Oct	1700 – 2345								
Nov – Feb	1700 – 2130								

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C4.7	<p>Range Clearance and Safety Duties</p> <p>RN Naval Gunfire Support Range, St Alban's Head</p>	<p>a. A suitable vessel will be required for each programmed exercise.</p> <p>b. Area of operations – Off St Alban's Head, Dorset (see Admiralty Practice and Exercise Area chart Q6402).</p> <p><u>Programming</u></p> <p>a. Range firings take place between 0930-1800 hours Mon – Thursday and 0930-1500 hours on Friday.</p> <p>b. Firing never takes place at night or during weekends.</p> <p>c. The vessel provided for this task can be the same vessel supporting the eastern end of Lulworth range, when activated.</p>	Navy Cmnd FOST	a. Each year there will be a requirement to support up to 20 daytime firing exercises (each exercise may last up to 5 hours).	See C4

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Range Clearance and Safety Duties – Vessel Requirements

There are two main types of range safety craft role:

Picket Role. A range safety craft that is capable of maintaining station out on the perimeter of the Sea Danger Area (SDA) for the whole period of intended firing. Such a craft will have suitable accommodation and hotel facilities for the vessel crew for an extended period without the need to return to its base port. It is expected that this type of vessel will form the bulk of the vessels meeting the C4 Serial tasks and will be the type of vessel required for any range with a stated core requirement for one or two range safety craft.

Interceptor Role. A range safety craft that is designed for short forays from a suitable haven out to the SDA perimeter but does not have the facilities for the crew to stay out on range for an extended period. Such a craft may be considered suitable where a safe haven is close to the range sea danger areas and / or there are other picket range safety craft employed on the range that can provide the crew of the Interceptor Craft with suitable 'hotel facilities' eg used as an additional range craft during the summer period.

Any vessel(s) engaged on range safety or range clearance duties must have the following specific attributes:

Primary (Picket role capable) Range Craft

- a. Radar with a minimum effective range of at least 12nm, a minimum radar horizon of 4nm, an automatic plotting aid, and a detection capability of at least 1nm for a 1m CSA target at 1m above the water with the preference for this to be extended to a detection range of 3nm (especially when any changes are made to onboard radar systems on Authority provided craft);
- b. An electronic position fixing system capable of storing and retrieving an MOB position with a single button operation, accuracy to within 10 metres for 95% of the time;
- c. Dual watch marine band VHF and DSC;
- d. A discrete communication system to communicate with the range authorities. This is most effectively achieved by use of a private VHF channel - any necessary crystalisation of vessel and shore IMM radio sets and maintenance of licences for the private VHF channel are to be undertaken by the Contractor;
- e. AIS **Class B** is to be fitted and maintained in a fully operational state on all Contractor owned or operated craft operating as Range Safety Craft; and on any sub-contracted craft operating on more than 10 occasions per year;
- f. A removeable board with the words 'Range Safety' in large letters fitted on each side of the vessel;
- g. A removeable or hand held board of not less than 60cm x 45 cm with the range primary IMM VHF Channel written in large letters and numbers eg 'VHF CH 67';
- h. Capable of operating at 28 knots in sea state 3, 18 knots in sea state 4 and capable of undertaking the task at lesser speed in up to sea state 5 (these speeds are not required to be met when carrying passengers);
- i. Able to carry up to 3 passengers;
- j. On-board hotel facilities appropriate for extended operations out on the range front of up to 12 hours;
- k. Craft on the following ranges will need to be able to be operated close-in to the shore and will require to have a shallow draft, a suitable propulsion unit and a suitable directional long range loud hailer; Straight Pt and Lydd.

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Secondary (Interceptor role only) Range Craft

- a. **Radar with a minimum effective range of at least 12nm, a minimum radar horizon of 3 nm and an automatic plotting aid;**
- b. **An electronic position fixing system capable of storing and retrieving an MOB position with a single button operation, accuracy to within 10 metres for 95% of the time;**
- c. Dual watch marine band VHF and DSC; together with suitable headset(s) for the crew;
- d. AIS **Class B** is to be fitted and maintained in a fully operational state on all Contractor owned or operated craft operating as Range Safety Craft; and on any sub-contracted craft operating on more than 10 occasions per year;
- e. A removable board with the words 'Range Safety' in large letters fitted in a clearly visible position on the vessel.
- f. A removeable or hand held board of not less than 60cm x 45 cm with the range primary IMM VHF Channel written in large letters and numbers eg 'VHF CH 67'.
- g. Capable of operating at 35 knots in sea state 2, 25kts in sea state 3, 18 knots in Sea state 4 (up to 2m significant wave height).

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