

ROYAL OBSERVER CORPS - POSTS
 CREW OPERATING PROCEDURES
 NO 1 OBSERVER - AT ALL TIMES

DUTY SHIFTS

1. Initial allocation of duties:

a. The first member to arrive at the Post is to carry out as many of the tasks required by Part E Section 3 as may be practicable until the other crew members arrive.

b. As soon as there are three crew members at the Post, arrange allocation of responsibilities to individuals as Nos 1, 2 and 3.

c. Thereafter, continue as required by Part E Section 3 until all tasks have been completed and the STAGE TWO OPERATIONAL message has been passed to the Post Display Plotter.

2. Subsequent allocation of duties:

a. Arrange subsequent duty shifts so that all crew members have adequate rest periods and that changes of tasks are made as frequently as possible, consistent with the operational situation. (The length of time for which it is desirable that each crew member should spend on any one duty will obviously depend largely on agreement at the time, but the following suggested allocation is applicable equally to 4 or 8 hour shifts and the time brackets can be adjusted to start earlier or later as required):

	2400 - 0400	0400 - 0800	0800 - 1200
	1200 - 1600	1600 - 2000	2000 - 2400
Crew Member A	No 3	No 2	No 1
Crew Member B	No 2	No 1	No 3
Crew Member C	No 1	No 3	No 2

NOTE: The No 3 Observer is nominally the spare man during operations and the crew member so designated for the time being may be resting, except when he is required to perform routine or other tasks as laid down in this and other Sections).

b. During the "stand-to" period, and up to the time of issue of the Attack Warning RED, the provision of relief crews may be possible.

MEALS

3. The preparation and consumption of food will depend largely on the operational situation but the endeavour should be to provide regular meals based on the system of duty shifts adopted.

4. During operations allocate food and water to be used for each meal; supervise preparation and assist when necessary.

CARRIER RECEIVER

5. Check the operation of the Carrier Receiver by pressing the test button and listening to the 'tick' signal for a few seconds every hour, on the hour. Report unserviceability to the Post Display Plotter immediately.

OPERATIONAL INSTRUMENTS

6. Bomb Power Indicator:
- a. Prior to issue of Attack Warning RED. instruct No 3 Observer to carry out checks at 0800 daily.
 - b. After issue of Attack Warning RED. Routine checks will be controlled by the Control or, if out of communications with the Control, by the Master Post. When informed by No 2 Observer that the message has been received:
 - (1) Instruct No 3 Observer to carry out checks.
 - (2) When task completed, instruct No 2 to inform Post Display Plotter or the Master Post.
7. Ground Zero Indicator:
- a. Prior to issue of Attack Warning RED. Instruct No 3 Observer to carry out routine changes of papers at the following times:
 - (1) In summer (defined as the period 21 Mar to 21 Sep inclusive) twice a day, at noon and just after sunset.
 - (2) In winter, on odd-numbered dates only, just after sunset.

NOTE: Normally the Control or Master Post will issue a reminder when routine changes are due, but do not wait for this before making the changes, prior to issue of attack warning RED.
 - b. After issue of Attack Warning RED. Routine changes will be controlled by the Control or Master Post. Ensure that No 3 Observer prepares to change the GZI papers at the times given in Para 7a(1) and (2) but await instruction from Control or Master Post before instructing No 3 Observer to carry out changes. Advise the Control or Master Post when No 3 Observer returns to the monitoring room after changing the papers.
8. Fixed Survey Meter - instruct No 2 Observer to carry out routine checks at 0800, 1600 and 2400 daily.
9. Radiac Survey Meter - Instruct No 3 Observer to carry out routine checks at 0800 daily.

INDIVIDUAL DOSIMETERS

10. Wear dosimeter at all times after issue on manning up.
11. Carry out routine and operational checks on dosimeters as required by other sections.

ROCMET/SUPMET

12. Instruct No 3 Observer to make meteorological observations every hour, on the hour, or as instructed.

13. Instruct No 2 to pass ROCMET or SUPMET reports.

PETROL-ELECTRIC SET

14. As and when necessary, and dependent upon the operational situation, instruct No 3 Observer to take the petrol-electric set outside the Post and operate so as to ensure that the Post batteries are kept sufficiently charged to meet lighting and/or radio requirements. (Annex F para 10).

15. At Radio posts, ensure that the lighting battery is kept fully charged. (Annex F para 10).

MOVEMENT OUTSIDE THE POST

16. Restrict movement outside the Post to operationally essential occasions when a blast or radiation hazard exists.

17. When a sortie is required (other than operational changes of GZI cassettes) and radio-activity is present:

- a. Check the "running total dose" of each Crew member, as shown on the Radiac Dose Record.
- b. Add to it any reading currently shown on the Crew member's dosimeter.
- c. Assign the task to the member who has received the lowest "running total dose" at the time of the sortie.

18. Instruct No 2 Observer to inform the Post Supervisor when any Crew member reaches the following limits:

- a. a ~~dose~~^{dose} of 100 cGy in any one day, or
- b. a dose of 200 cGy in total, except that
- c. a dose of 15 cGy per day may be received for up to 100 days.

Note: for all practical purposes 1 cGy is equivalent to 1r.

POST VENTILATION

19. Supervise and assist No 3 Observer if necessary, to carry out the Post Ventilation procedures detailed in Annex Q.

POST DIARY

20. Record all actions taken and decisions made in the Post Diary.

REFERENCES

21. Annex A Instructions for writing/speaking information
- Annex D Post Diary
- Annex E Radiac Dose Record
- Annex F Petrol-Electric Set
- Annex K1 ROCMET

Annex K2 SUPMET
Annex L1 The Bomb Power Indicator
Annex L2 The Ground Zero Indicator
Annex L3 The Fixed Survey Meter
Annex L5 Radiac Survey Meter
Annex L7 The Individual Dosimeter
Annex L8 The Charging Unit
Annex Q Post Ventilation

ROYAL OBSERVER CORPS - POSTS
CREW OPERATING PROCEDURES
NO 2 OBSERVER - AT ALL TIMES

DUTY SHIFTS

1. Initial allocation of duties:

- a. The first member to arrive at the Post is to carry out as many of the tasks required by Part E Section 3 as may be practicable until the other crew members arrive.
- b. As soon as there are three crew members at the Post, the allocation of responsibilities to individuals as Nos 1, 2 and 3 will be arranged.
- c. Thereafter, continue as required by Part E Section 3 until all tasks have been completed and the STAGE TWO OPERATIONAL message has been passed to the Post Display Plotter.

MEALS

2. The preparation and consumption of food will depend largely on the operational situation but the endeavour should be to provide regular meals, based on the system of duty shifts.

OPERATIONAL INSTRUMENTS

3. Bomb Power Indicator: After issue of attack warning RED, routine checks will be controlled by the Control or, if out of communication with the Control, by the Master Post:

- a. When the routine check message is received, inform No 1 Observer.
- b. When instructed by No 1 Observer, inform the Post Display Plotter (or Master Post) that the routine checks have been completed.

4. Ground Zero Indicator: After issue of attack warning RED, routine changes of papers will be controlled by the Control or, if out of communication with the Control, by the Master Post.

- a. When the message is received, inform No 1 Observer.
- b. When instructed by No 1 Observer, inform the Post Display Plotter (or Master Post) that the routine change of papers has been completed.

5. Fixed Survey Meter: When instructed by No 1 Observer, ie at 0800, 1600 and 2400 daily, carry out the following checks:

- a. Turn the control knob to ON and observe the subsequent check indication on the LCD (Annex L3 paras 10 to 15).

b. If the instrument is already on, turn the control knob to OFF and then to ON and observe the subsequent check indications on the LCD (Annex L3 paras 10 to 15).

c. Return the switch to OFF if the Attack Warning RED has not been issued.

INDIVIDUAL DOSIMETERS

6. Wear dosimeters at all times after issue on manning up.

ROCMET/SUPMET

7. Maintain ROCMET or SUPMET log and report observations to the Post Display Plotter.

MOVEMENT OUTSIDE THE POST

8. Report to the Post Supervisor if and when any crew member reaches the following limits:

- a. a dose of 100 cGy in any one day, or
- b. a dose of 200 cGy in total, except that
- c. a dose of 15 cGy per day may be received for up to 100 days.

Note: for all practical purposes 1 cGy is equivalent to 1 r.

SYNCHRONISATION OF TIME

9. Synchronise time daily with the Control at 0800 or as soon as possible thereafter and at other times if the accuracy of the clock or watch is suspected:

- a. Say the Group name and the Post number, followed by the words POST, OVER.
- b. Release the transmit button of the LST to allow the Plotter to repeat the call.
- c. Say the words TIME CHECK PLEASE, OVER.
- d. Release the transmit button at the LST and await time check.
- e. Acknowledge by saying the Group name and the Post number followed by the words POST, THANK YOU, OUT.

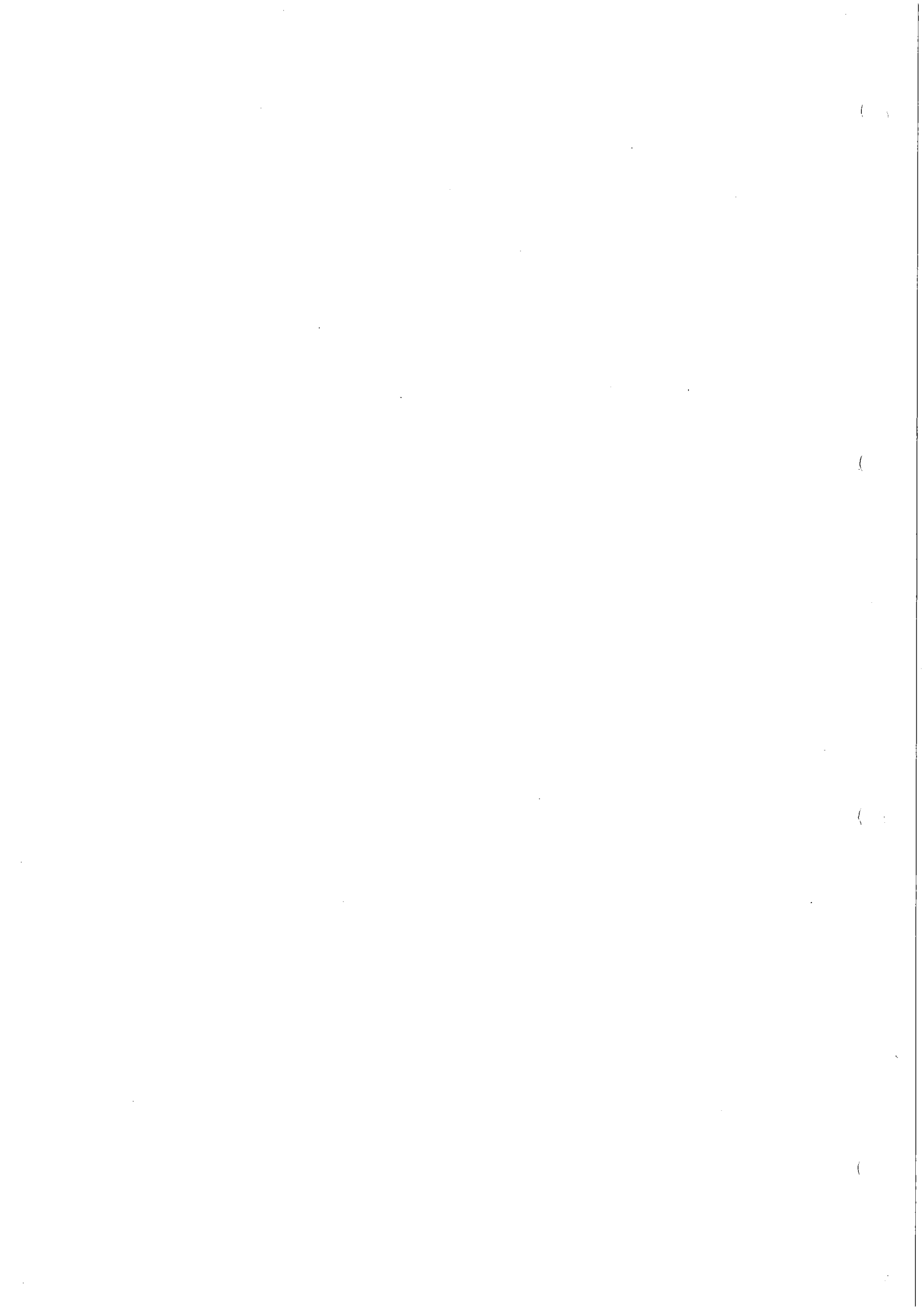
EXAMPLE:

Post: HORSHAM TEN POST, OVER
 Plotter: HORSHAM TEN POST, OVER
 Post: TIME CHECK PLEASE, OVER
 Plotter: WHEN I SAY "NOW" THE TIME WILL BE 0805 - (pause) - NOW 0805 OVER
 Post: HORSHAM TEN POST, THANK YOU, OUT.

10. Adjust clock or watch if necessary.

REFERENCES

11. Annex A Instructions for writing/speaking information
- Annex B The Loudspeaker Telephone
- Annex C Post Log
- Annex F The Petrol Electric Set
- Annex K1 ROCMET
- Annex K2 SUPMET
- Annex L1 The Bomb Power Indicator
- Annex L2 The Ground Zero Indicator
- Annex L3 The Fixed Survey Meter
- Annex L7 The Individual Dosimeter
- Annex L8 The Charging Unit
- Annex Q Post Ventilation



ROYAL OBSERVER CORPS - POSTS

CREW OPERATING PROCEDURES

NO 3 OBSERVER - AT ALL TIMES

DUTY SHIFTS

1. Initial allocation of duties:
 - a. The first member to arrive at the Post is to carry out as many of the tasks required by Part E Section 3 as may be practicable until the other crew members arrive.
 - b. As soon as there are three crew members at the Post, the allocation of responsibilities to individuals as Nos 1, 2 and 3 will be arranged.
 - c. Thereafter, continue as required by Part E Section 3 until all tasks have been completed and the STAGE TWO OPERATIONAL message has been passed to the Post Display Plotter.

MEALS

2. The preparation and consumption of food will depend largely on the operational situation but the endeavour should be to provide regular meals, based on the system of duty shifts.
3. During Operations:
 - a. Prepare meals as required on instruction from No 1 Observer.
 - b. Heat food or water when required ONLY by means of the cooker issued and ONLY at the bottom of the entrance hatch when the Post is open.
 - c. Dispose of food refuse including cans still containing food scraps by placing in polythene bags. Tie the necks of the bags and place them outside the Post at the first opportunity each day.

OPERATIONAL INSTRUMENTS

4. Ground Zero Indicator:
 - a. Prior to the issue of Attack Warning RED. Put on lightproof satchel and carry out routine changes of papers on instruction from No 1 Observer:
 - (1) In summer (defined as the period 21 Mar to 21 Sep inclusive), twice a day, at noon and just after sunset.
 - (2) In winter, on odd numbered dates only, just after sunset.
 - b. After issue of Attack Warning RED. Wear the light proof Satchel at all times.

5. Bomb Power Indicator:

a. Prior to the issue of Attack Warning RED, carry out the following checks at 0800.

- (1) Remove drain tube cap to release any moisture which may have accumulated; replace cap carefully without over-tightening.
- (2) Inspect baffle assembly and remove any debris which may have accumulated (eg, grass, leaves etc).
- (3) Press reset button.

b. After issue of Attack Warning RED: On instruction from No 1 Observer carry out the checks detailed at a(1), (2) and (3) above.

6. Radiac Survey Meter: Carry out the checks detailed in Annex L5 para 12 to 17 at 0800 daily.

INDIVIDUAL DOSIMETERS

7. Wear dosimeter at all times after manning up.

ROCMET

8. At designated Posts, make meteorological observations every hour, on the hour (Annex K1) or as instructed by No 1 Observer.

SUPMET

9. At other Posts, make meteorological observations every hour, on the hour (Annex K2) or as instructed by No 1 Observer.

PETROL ELECTRIC SET

10. Take the petrol-electric set outside the Post and operate as and when necessary, or when possible, depending on the operational situation, so as to ensure that the Post batteries are kept sufficiently charged to meet lighting and radio requirements (Annex F para 10 and Part F Section 1.3 para 6).

11. At Radio Posts, ensure that the lighting battery is kept fully charged (Annex F para 10).

12. When failure of the radio battery is indicated by non receipt of transmission by the Post Radio Operator, operate the change-over switch to exchange the lighting battery with the radio battery.

13. Recharge the new lighting battery as soon as possible.

POST VENTILATION

14. Assisted by No 1 Observer where necessary, carry out the Post Ventilation procedures detailed in Annex Q.

REFERENCES

- 15. Annex F The Petrol Electric Set
- Annex K1 ROCMET
- Annex K2 SUPMET
- Annex L1 The Bomb Power Indicator
- Annex L2 The Ground Zero Indicator
- Annex L5 Radiac Survey Meter
- Annex L7 The Individual Dosimeter
- Annex L8 The Charging Unit
- Annex Q Post Ventilation

