



On Line Amateur Radio Examinations

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Online Amateur Radio Examinations Foundation, Intermediate and Full

These Online examinations are recognised by Ofcom as the qualification necessary for the issue of Amateur Radio Licences. It is therefore essential that the standards should be the same for all candidates and that the integrity of the examination is maintained at all times.

The administration of the Amateur Radio Examinations is carried out by the Radio Society of Great Britain (RSGB); who are also the examination awarding body.

It is assumed that all candidates will have:-

- via the RSGB, registered with TestReach and each candidate will have their user name and a unique password.
- downloaded and launched the TestReach Application and have completed the online tutorial prior to taking their exam. This can be done anytime before the exam.
- have access to a computer, desktop or laptop, (no tablets including Surface Pro) with at least 4GB of RAM running Windows7+ and Chrome, or a Mac running IOS 10.8+.
- a continuous connection to the internet in order to launch the TestReach application, with at least 512kbps per candidate (most broadband connections should support at least 6 candidates).
- mains leads and chargers to ensure that laptops don't run out of battery.

Preparing for the Examination

1. Examination Integrity

- 1.1. The security of Examination Questions is paramount in protecting the integrity of the examination.
- 1.2. The Examination Secretary must check the examination paperwork on receipt and notify the RSGB Examinations Department immediately of any discrepancies.
- 1.3. The Examination Questions are protected by copyright. Reproduction in any form is strictly prohibited.

2. Timing

- 2.1. Candidates should be in the examination room at least fifteen minutes before the start of the examination. They should not be allowed into the room until the First Named Invigilator is satisfied that the room is correctly prepared.
- 2.2. Candidates arriving more than 30 minutes late for examinations will not be admitted. The examination fee may be waived only in special circumstances at the discretion of the RSGB. A report must be made on the Report of Irregular Conduct page of the Amateur Radio Examination Document (EX306).

- 2.3. Every effort should be made to start the examination on time. The starting time may be varied by up to a maximum of **thirty minutes AFTER** the allotted start time but only if there are local problems. Varied times must be shown on the front page of the Amateur Radio Examination Document (EX306) and on the Report of Irregular Conduct page of that document.
- 2.4. Should the reason for varying the start of the examination not be resolved within 30 minutes (e.g. continuous disruption by noise) then the examination must be abandoned and a new examination request made for another date and time.

3. Calculators and other resources

- 3.1. Silent, battery powered, non-programmable calculators are permitted. The Invigilators may provide spares but are not required to do so.
- 3.2. All mobile telephones, smart watches and other electronic items (other than a calculator) must be switched off and deposited in a secure place so as not to be accessible during the examination.
- 3.3. No written or printed items are permitted on the candidate's desk (see 3.4) other than that issued by the exam centre. A mascot is allowed, as are sweets and a drink but excess packaging should be removed before the start of the examination.
- 3.4. A non-electronic translation dictionary is allowed where appropriate (see Section 8).

4. The Examination Room

- 4.1. Examination rooms must be registered with the RSGB before any examinations can be arranged and are liable to inspection to ensure the conditions described below are satisfied. **NB Inspection of new Examination venues may take several weeks to arrange.**
- 4.2. Only persons whose presence is required by the examination i.e. those that have been recorded on the Register and Assessment Sheet (RAS)) should be allowed in the examination room immediately before, or during the examination. RSGB appointed inspectors and Ofcom officials also have right of admission but their attendance should be recorded on the Report of Irregular Conduct. See also Section 18.
- 4.3. The examination room must be a suitably quiet, undisturbed location, with adequate space, heating, lighting and ventilation. Should the examination be disturbed by any unexpected noise or other distraction then it may be necessary to postpone the examination. Refer to 2.3.
- 4.4. No display materials that might help the candidates may be visible in the examination room.
- 4.5. The seating arrangements must be such that the minimum distance between candidates, in all directions, is 1.0 metre (clear space) so that overlooking between candidates, intentionally or otherwise, is prevented.

- 4.6. The First Named Invigilator is responsible for drawing up a seating plan. The seating plan must include the name and location of each candidate, the direction in which they are facing and the position of invigilators and any readers.
- 4.7. Wherever possible:
 - each candidate should face the same way.
 - each candidate should have a separate desk that must be of sufficient size to accommodate all the equipment needed.
 - candidates who are not working at separate desks must be sufficiently far apart to give at least 1.0m clear space as outlined above.
- 4.8. The First Named Invigilator must ensure the rules (this booklet) are available to each assistant Invigilator and that a notice is displayed on the outside of every door into the examination room, reading “NO ENTRY EXAMINATION IN PROGRESS QUIET PLEASE”.
- 4.9. All candidates should normally sit in the same room but see also Section 8 Special Needs.

5. Invigilators

- 5.1. There must be a minimum of two Invigilators present at each examination. Where large numbers of candidates are sitting an examination it is at the discretion of the First Named Invigilator to provide additional Invigilators. However, if the examination is held in a school and the candidates are all pupils of the school, and the Invigilator is a member of the school staff, then a single Invigilator is permitted in line with normal school procedures.
- 5.2. When readers/writers are provided for candidates with special assessment requirements, an extra Invigilator must also be present. Readers/writers must not also act as Invigilators at any time in that examination. See Section 8 Special Needs.
- 5.3. Invigilators should be responsible people of at least 18 years of age whose integrity may be relied upon for the conduct of the examination. It is the responsibility of the Examination Secretary to ensure that Invigilators meet the standards required and have the necessary experience to correctly and safely conduct the examination. Invigilators must not be related to any of the candidates. In the case of children under 18 years of age a parent or guardian may sit in the examination room in view of, but not in close proximity to, their child/ children. Parents/Guardians may not act in any invigilation capacity.
- 5.4. Invigilators must be familiar with the contents of this document prior to the start of the examination.
- 5.5. For all examinations the First Named Invigilator may be an amateur, radio club official or other person of standing in the community. **The First Named Invigilator must NOT have been involved with the training or practical assessments of the candidates for the examination being taken, other than as a remote recipient of VHF or HF contacts during the practical assessments.** The RSGB reserves the right to centrally appoint invigilators in certain cases.



- 5.6. The identity and status (e.g. Regional Representative, Independent) of the Invigilators must be declared when the request for Examination Papers is made to the RSGB.
- 5.7. Exceptionally, late substitution of an Invigilator may be permitted but this fact and the identity of any substitutes must be reported on the Register and Assessment Sheet (RAS) when the Examination paperwork is returned to RSGB. A report must also be made on the Report of Irregular Conduct page of the Amateur Radio Examination Document (EX306).
- 5.8. Instructors and Registered Assessors who have been involved in the training or practical assessments may act as the Second Named Invigilator.
- 5.9. It is the responsibility of the First Named Invigilator, to ensure that:
 - The conduct of the examination is correctly observed.
 - The Examination paperwork, the Register and Assessment Sheet (RAS), and Amateur Radio Examination Document (EX306) are duly completed and signed and posted to the RSGB no later than the next working day.

At the beginning of the Examination

6. Identification of Candidates

- 6.1. The First Named Invigilator will invite candidates to enter the room only when it is ready and will indicate where each candidate should sit.
- 6.2. Each candidate must be identified to the First Named Invigilator by presenting one or more of the following:
 - a current passport, photo ID driving licence or other legal document showing their name, photograph, printed name and signature.
 - two current legal documents that have their printed name and signature e.g. driving licence, or credit card. The signature should be checked with the signature on the Examination Paper.
 - in the case of candidates under 16 years of age, their Foundation and/or Intermediate Candidate Practical Assessment Record (CPAR) supported by another means of identification e.g. identification by parent, school bus pass, library card, birth certificate, letter from their educational establishment.
- 6.3. Before the beginning of the Foundation and Intermediate Examination each candidate must present their completed Candidate Practical Assessment Record (CPAR). Candidates with a disability may have been granted an exemption from certain items, see Section 8 Special Needs.
- 6.4. If there is any doubt as to the authenticity of a CPAR (e.g. presented by an external candidate) then the Invigilator must record it as an irregularity but allow the candidate to sit the examination as normal. In such cases, the candidate must be warned that the CPAR will be forwarded to the Exam Department together with the rest of the examination paperwork and the irregularity will be investigated which may result in:

- the candidates result not being confirmed by the Examination Department and the result not being issued
- Any resit by the candidate will require the normal fee to be paid

7. Examination Papers and Other Materials

- 7.1. Each candidate will be provided with:-
1. a sheet of plain paper; all calculations etc. should be done on this paper, which must be handed to the Invigilators at the end of the examination for them to return to RSGB HQ.
 2. a copy of the relevant Reference Data for Use in Examination

8. Special Needs

- 8.1. Clubs, Trainers and Exam Centres MUST identify the candidate's needs as soon as possible and discuss them with the RSGB Examinations Department. It may be necessary to have written advice from the candidate's health or educational professional as to the nature of the disability. Suggestions as to how best the examination can be run to help the candidate are to be welcomed. This advice is to allow the RSGB to identify what reasonable adjustments can be made to assist the candidate in the examination. Discussions can take a number of weeks to agree the appropriate actions. Late notification of special needs is likely to result in a delay in arranging the examination.
- 8.2. The facility afforded for candidates with disabilities to take the Amateur Radio Examination in their own homes is provided only in order to make the examination available to those who are physically unable to attend an examination venue. Again, written confirmation from the candidate's health or other local professional will be required.
- 8.3. Whilst Invigilators will wish to put the candidates at ease, they must not allow an overly sympathetic approach to affect the conduct of the examinations.
- 8.4. Candidates who cannot read or write may have a reader and/or writer to read the questions to them and mark their given answer. The reader/writer must not be a relative or peer of the candidate and must be at least 18 years of age. The identity of the proposed reader/writer MUST be declared to the RSGB in advance. At its discretion, for any examination, the RSGB may appoint a nominated reader/ writer from a central bank of approved & qualified volunteers.
- 8.5. A reader may only read the question and answers as presented on the screen and may not explain or interpret the questions and answers. Each candidate requiring the services of a reader, writer or prompter needs to be in a separate room and an additional Invigilator will be required in that room as well as the two in the main examination room.

- 8.6. Candidates with special examination requirements are catered for according to their individual needs. For example:
- Examination without diagrams can be produced for the registered blind or partially sighted.
 - 25% extra examination time is allowed when a reader/ writer is required.
 - 25% extra examination time is allowed when a candidate whose first language is not English has been in the UK for less than 2 years.
 - a non-electronic translation dictionary is allowed.
- 8.7. Such facilities **MUST** be requested and authorised before the examination can take place.
- 8.8. Only facilities authorised and shown on the Register and Assessment Sheet (RAS) may be provided and unauthorised provision will result in that candidate's examination being invalidated.

9. Starting the Examination

- 9.1. Before candidates start the examination the First Named Invigilator must:
- Inform the candidates of the appropriate action to be taken in the event of an emergency e.g. fire alarm.
 - Ensure that candidates are seated in accordance with the seating plan.
 - Read out the rules to the candidates contained in the 'On Line Amateur Radio Examination Document' provided in the Examination Envelope. These rules are repeated in Annex 1 to this booklet.
 - Check that candidates have all the necessary materials to complete the examination.
 - Check that no unauthorised materials are present on or around the desks.
 - Candidates wishing to leave the room should raise their hand and wait quietly until they are told they may go by an invigilator.
 - Draw the candidates' attention to the instruction on the front screen of the Examination Paper.
 - Ensure an invigilator compares the signature of those candidates presenting non-photographic identification with the signature on that identification.
 - Announce clearly when the candidates may begin and the Pin Code to enter the exam paper.

During the Examination

10. Supervision of Candidates

- 10.1. Invigilators must be alert and observe the candidates at all times during the examination.
- 10.2. Invigilators must not read or carry out other duties during the examination.



- 10.3. If a candidate needs to leave the examination room because of a personal indisposition an Invigilator must accompany them as far as the door to the toilets, and take reasonable steps to ensure that they do not:
- speak to anyone else.
 - consult any notes.
 - make a telephone call.
 - breach the security of the examination whilst they are out of the room

11. Irregular Conduct

- 11.1. Examples of Irregular Conduct include:
- Varied Start time due to local difficulties.
 - Late entry of candidates due to late arrival.
 - Last minute change of Invigilator.
 - Last minute change of venue.
 - Inspection by RSGB/Ofcom.
 - Candidate misconduct.
 - Candidates report of invalid exam question (invigilators to record the candidates name, the question number and the nature of the challenge).
 - Any act, intentional or otherwise, conferring or appearing to confer an unfair or unpermitted advantage to a candidate or group of candidates.
 - Fire alarm/emergency evacuation.
 - Failure to record relevant details on the Report of Irregular Conduct Page is itself irregular conduct.
- 11.2. Cases of irregular conduct must be dealt with as they occur and recorded in the Amateur Radio Examination Document. (See 11.1 for examples of irregular conduct.)
- 11.3. In cases where unauthorised material is discovered, wherever practicable, the First Named Invigilator should remove and retain all such material.
- 11.4. If, after the examination has finished, a candidate (or parent) demands the return of confiscated items, they must be warned that this may prejudice any appeal. Details are to be recorded on the Report of Irregular Conduct page of the Amateur Radio Examination Document.
- 11.5. The candidate will normally be allowed to complete the examination but a note of the incident must be made in the Examination Booklet. The candidate must be warned that acceptance of the Examination is entirely at the discretion of the RSGB.
- 11.6. The candidate should, after the examination, be given a written note informing them that a report of "Irregular Conduct" will be made together with the address of the RSGB. In the case of children, the note should be given to the parent/guardian together with an explanation of what has happened.
- 11.7. The First Named Invigilator, after consulting with the Second Named Invigilator, has the authority to expel a candidate from the examination room, if their continued presence would be disruptive to the other candidates. Should this occur, children must not be left unsupervised.
- 11.8. Where it is considered desirable, the RSGB may impose additional requirements to ensure impartial invigilation of the exam.

- 11.9. Where evidence of irregular conduct surfaces after the examination the processing of results will be suspended pending resolution.
- 11.10. In all cases the standard of proof of irregular conduct shall be 'beyond reasonable doubt'. It is not necessary to show absolute proof.
- 11.11. Where malpractice such as collusion is suspected any examination result reasonably suspected of being unsafe may be void and the candidate(s) required to re-sit the examination at their expense.
- 11.12. The 'The Handling of Irregularities and Appeals' document (available from the RSGB website) gives further details on the handling of irregularities and the appeal process.

12. Emergencies

- 12.1. In the event of an emergency affecting a single candidate, the candidate, wherever possible should be assisted to leave the examination room. They should be accompanied at all times, as their welfare requires.
- 12.2. In the event of an emergency requiring evacuation of the examination room/building it should be performed in accordance with local instructions.
- 12.3. If the examination room or building is evacuated, consideration should be given to:
 - whether the examination needs to be abandoned.
 - supervising the candidates as closely as possible so as to ensure there is no collusion.
 - whether there is merit in a phased or delayed evacuation, with candidates, where possible, taking the computer with them so the examination may be completed elsewhere.
- 12.4. If the examination can be resumed, in the examination room or elsewhere, candidates should be given time to compose themselves and be allowed the full time remaining.
- 12.5. If the First Named Invigilator is satisfied that the overall integrity has been maintained and candidates have not been treated adversely, candidates can complete the exam and results issued in accordance with these guidelines. If any uncertainty exists, the results should not be issued.
- 12.6. A full report of the emergency must be recorded as Irregular Conduct in the Amateur Radio Examination Document. Any withheld results will be issued within 28 days.

Ending the Examination

13. Finishing the Examination

- 13.1. 30 minutes, and again 5 minutes before the end of the exam each candidate will receive warning messages on their screen as to the time they have remaining.

- 13.2. At the end of the allowed time, if candidates haven't submitted their answers the system will automatically submit them.
- 13.3. Reference Data Booklets and are to be destroyed by the invigilators to prevent any information about the Examination questions being removed from the Examination Room.

14. Marking of the Examination Papers

- 14.1. Once submitted the examination software marks the paper and issues an Indicative Result.
- 14.2. The envelope with each candidate's rough working out paper, the Amateur Radio Examination Document (EX306) and Register and Assessment Sheet (RAS) should be sealed in the return envelope after the First Named Invigilator has had the opportunity to enter any final comments on the Amateur Radio Examination Document (e.g. a challenge by a candidate). This envelope must be posted to the RSGB no later than the next working day.

15. Issuing of Results

- 15.1. Candidates should be reminded that the official results are formally issued by the RSGB Examinations Department prior to being uploaded to Ofcom.
- 15.2. This central verification process will take up to 6 working days after receipt of the examination papers at HQ and candidates should not call RSGB Examination Department until at least 10 days have elapsed.

16. Re-sits

- 16.1. Unsuccessful candidates may re-sit the examination. The normal application process applies, which means that it will normally be at least 2 weeks before a candidate can re-sit the examination.

17. Dispute Procedures

- 17.1. In the event of doubt about the validity of a question or the correctness of the answer, the question should be challenged by giving the question number and the reason for the challenge on the Report of Irregular Conduct in the Amateur Radio Examination Document
- 17.2. Candidates may subsequently challenge a question and this should be made in writing to the RSGB Examinations Department within 5 days of the examination. Any undue delay may prejudice the appeal.
- 17.3. The RSGB Examinations Group will collect evidence and rule fairly concerning challenges to questions, in accordance with current educational and legal standards.
- 17.4. Candidates may also appeal regarding the conduct of the examination and should do so to the RSGB Examinations Department within 5 days of the examination date. Any undue delay may prejudice the appeal.
- 17.5. The RSGB Examinations Quality Assurance Manager will collect evidence and rule fairly, in accordance with current educational and legal standards.

- 17.6. A decision of the RSGB Examinations Quality Assurance Manager / Examinations Group is final, unless it is appealed on the grounds of unfair or improper procedures. There is a fee for such an appeal, returnable if the appeal is upheld. Further advice is available from the Examinations Department at the RSGB.

18. Examination Spot Checks

- 18.1. The RSGB and Ofcom may appoint local Inspectors to scrutinise the conduct of examinations. These inspections take place without prior notice to ensure security. Appointed Inspectors must be allowed immediate access to ALL examination facilities in order to inspect the following:
- Identification of candidates and Invigilators present.
 - Conduct of the examination
 - Examination room.
 - Sealing of the return envelope.
- 18.2. The purpose of the inspection is to ensure that the proper procedures are being followed and not to interfere or take over the conduct of the examination. Nonetheless, if an irregularity is noted which may prejudice the integrity or validity of the examination, the Inspector may advise the First Named Invigilator immediately so that, if possible, remedial action may be taken and the examination permitted to continue.
- 18.3. If an irregularity is found that cannot be rectified then there may be no option but to suspend the examination. Either the First Named Invigilator, or the Inspector should inform the candidates. If the examination has started, then it should normally be allowed to continue without disruption unless the safety of the candidates or officials is in jeopardy.
- 18.4. Each examination fee paid to the RSGB will be held over for 6 months and applied to a future examination by that candidate. Local fees (such as hall hire) are a matter between the club/centre and the candidates.
- 18.5. Failure to immediately admit an inspector or holding the examination at a different time or place without a proven good reason will result in automatic disqualification of that examination.



Annex 1:

On Line Amateur Radio Examination Rules

EXAMINATION RULES MUST BE READ TO CANDIDATES BEFORE THE EXAMINATION

Time allowed for Examinations:

Foundation 55 minutes Intermediate 1 hour 25 minutes Advanced 2 hours.

- You must not have any notes, books or other information with you. If you have brought anything into the room you must give it to an Invigilator before the examination begins.
- Mobile phones, smart watches and other devices with any communication functions (including Bluetooth) must be switched off and deposited with an Invigilator.
- You may use a silent non-programmable calculator.
- Any calculations can be done on the paper provided. This paper must be handed to the invigilator at the end of the exam.
- Sweets and drinks are allowed, please consume quietly and remove excess packaging.
- You must not communicate with anyone in any way, apart from an Invigilator.
- If you do have any problems and need to speak to an Invigilator, please put your hand up to attract attention. Do not make a noise or disturb other candidates.
- Your answers must be all your own work and invigilators will not be able to explain questions.
- If you do finish your work early and wish to leave the room, please raise your hand to attract the Invigilators' attention.
- Please leave the room quietly so as not to disturb other candidates.
- Breaches of the examination rules may result in disqualification or other sanction.
- If you wish to appeal against the conduct of the examination you should do so within five days of the examination

Please note that OFCOM / RSGB reserve the right to inspect and observe at any examination venue without prior notice.