



AREA CONTROL CENTRE (ACC) EXAM BRIEFING GUIDE AND EXAM STANDARDS

1. Introduction

This briefing is created to help candidates understand the purpose of this exam.

2. Requirements

Before applying for this exam, you shall meet the following requirements:

1. Have your approach controller rating (APC) since more than 60 days and
2. Have at least 200 hours of logged time on IVAN as an ATC (pilot hours are not taken into account)

3. Applying for the exam

The theoretical and practical exam can be requested by directly accessing your [exam status page](#).

The exam has two parts which shall be successfully validated in this order:

1. Theoretical exam: complete successfully the ACC online test
2. Practical exam: examiner will check your theoretical knowledge and your proficiency in area control centre position.

Requests for practical exams are only possible for members of active divisions. Members of inactive divisions will have to change to an active division in order to get higher ratings (R&R 4.6.2.1)

Once your exam has been registered, the examiner will contact you via your e-mail address given on your details page. Before requesting for the exam, [check that this e-mail address is valid](#) since it is the only way for the examiner to get in touch with you.

We recommend you to do a practical training in your division prior to applying for this exam.

Area Control Centre exam Briefing Guide and Exam Standards	Version 2.8	23 May 2017	Page 1
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4. Theoretical Area Control Centre Exam

All theoretical exams consist of 20 randomly selected multiple-choice questions (MCQ).

- Each question includes 3 to 5 proposed answers among which only one is correct.
- You have a maximum of 45 minutes to fill in the examination paper, and should you exceed this limit, the exam will be automatically recorded as failed (default failed score = 0/100).
- These MCQ exams are automatically corrected (each question will be marked 0 for wrong answer or 5 for a right answer).
- The pass-mark for the exam is 75/100 (corresponding to at least 15 correct answers).

The theoretical questions are mainly extracted from our training documentation and software manual:

<https://www.ivao.aero/training/documentation/index.php?section=asx>

<https://www.ivao.aero/training/documentation/index.php?section=adc>

<https://www.ivao.aero/training/documentation/index.php?section=apc>

<https://www.ivao.aero/training/documentation/index.php?section=acc>

All questions are based on ICAO/JAR OPS Rules and Regulations if not stated otherwise in the question.

Note that you can submit your answers as often as you want during the 45 minutes of the exam. Only the last submission will be taken into account. We greatly recommend you submit your examination paper on a regular basis in order to avoid to be marked 0 if you are disconnected or if you exceed the 45 minutes limit.

After your successful theoretical exam, you can apply for the practical part of the exam without delay.

Warning: Our system does not allow the resetting of theoretical exams, as in this case the same exam will appear again. Consequently, the Training department will always refuse to reset unfilled or timed out exams. In order to shorten the time for applying again, members should save their answers on a regular basis so as to avoid the exam being marked 0 if a disconnection or a time out occurs.

Area Control Centre exam Briefing Guide and Exam Standards	Version 2.8	23 May 2017	Page 2
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5. Practical Area Control Centre Exam

The ACC exam is a series of tasks to appreciate your basic ATC theoretical knowledge and controlling skills.

The practical exam is done only at the division level.

Note that these are our minimum standards. Your local division may have set additional requirements that should be published on its web site.

5.1. Training material

The training material is available on the IVAO website following these links below:

<https://www.iviao.aero/training/documentation/index.php?section=asx>

<https://www.iviao.aero/training/documentation/index.php?section=adc>

<https://www.iviao.aero/training/documentation/index.php?section=apc>

<https://www.iviao.aero/training/documentation/index.php?section=acc>

5.2. IVAO software, connection and communication modes

You shall only use one IVAO ATC client approved by the HQ training department for the exam.

The examiner will check your ability to correctly use the main functions of the software, mainly:

- establish a text and/or voice communication with pilots,
- fill out a correct ATIS,
- be able to transmit by text on your ATC frequency and privately, and make conference in chat tab
- retrieve a distant station ATIS, METAR and TAF

Your ATIS must always contain the following remark: “Exam in progress – no unauthorised Emergencies”.

You must connect to the network using the requested position only using ICAO_POS format (eg. LIMM_CTR).

The examiner should connect to the network using _X_ suffix to the examined position (eg. LIMM_X_TWR)

During active practical exams no Emergency (MAYDAY) or Urgency (PAN) situations may be initiated by any participating pilot unless specifically requested by the examiner.

Declaring any unrequested Emergency, PAN or squawking 7700 or 7600 will lead to a forced disconnection by the examiner or any supervisor.

We strongly recommend voice communication for the exam. We do not recommend a “text-text” or “text-voice” communication method due to the increased level of difficulty and incompatibilities with certain tasks. Should a member be unable to use voice or the voice/text method due to a medical disability or a poor network connection, please contact the HQ Training Department before requesting the exam in order to establish an individual procedure.

Area Control Centre exam Briefing Guide and Exam Standards	Version 2.8	23 May 2017	Page 3
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5.3. Theoretical knowledge

During the practical exam, the examiner shall question you about theoretical knowledge:

- Decode METAR / TAF including knowledge of RVR and weather phenomena
- Knowledge of airspace set up including CTR, CTA, TMA and FIR including airspace classifications, also from the point of view of separation, information, responsibilities pilot versus controller
- Good knowledge of the airspace including important fixes, procedures
- Good knowledge of local agreements (LOA)
- Knowledge of VFR and IFR rules and cruise levels associated including semi-circular rules
- Knowledge of how to handle RVSM issues when required

5.4. Practical performance during the exam

5.4.1. General requirements

1. You have to log on as an area control centre controller.
2. There must be at least one approach controller on the main airport in order to check coordination among the controllers
3. There must be at least one airport which provides IFR procedures under control of the examinee (no approach and departure position permitted. At this airport only a tower controller is permitted)
4. The airport, where the exam will take place must have IFR procedures available.
5. Using IVAO approved software is required.
6. The examinee will be expected to find the necessary charts himself. However, in countries where charts are not easily and freely available, it is the responsibility of the examiner/division to provide the necessary material and/or links so that both examiner and examinee can work on the same charts.
7. To evaluate an area control centre controller exam, the minimum traffic required is as follows:
 - a. at least 10 aircraft simultaneously, at least 12 per hour
 - b. at least 1 emergency (Emergency calls made on another frequency do not count)
 - c. at least one missed approach
 - d. at least one text only aircraft.
8. If the weather is not suitable for VFR traffic the examinee may apply Special VFR rules. The examiner can ask a pilot to fly in VMC. The examinee has to be informed about that.
9. We strongly recommend voice communication on all exams. We do not recommend a 'text-text' or 'text-voice' communication method due to the increased level of difficulty and incompatibilities with certain tasks. Should a member be unable to use voice or the voice / text method, please contact the HQ Training Department before requesting the exam in order to establish an individual procedure. For some exercises, the examinee possibly has to transmit in text mode.

Note: Emergencies and/or radio-communication failures during the Exam will ONLY be done on request of the examiner

For the exam, the examiner should be connected as ICAO_X_CTR.

Area Control Centre exam Briefing Guide and Exam Standards	Version 2.8	23 May 2017	Page 4
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5.4.2. Practical performance

1. Observance of MRVA, MSA, MEA during radar vectoring, procedural or direct routes
2. Ability to provide radar vectors and/or procedural control (in function of the airspace)
3. Ability to monitor and assist pilots (if they ask for information)
4. Ability to use holding stacks (if situation is applicable)
5. Expedite and maintain an orderly flow of air traffic (provide short-cuts and good traffic management)
6. Perform correct handoffs to the next unit (TWR / APP / CTR) including correct flight strip marking
7. Suitable and sufficient coordination with adjacent ATC units in all necessary situations
8. Handle miscellaneous emergency situations
9. Have and maintain all the time a good overview of the radar situation
10. Correct phraseology and English proficiency

6. Evaluation and marking method

The examiner will score separately all required tasks (including both theoretical questions and practical exercises) on a dedicated marking sheet.

Each score will reflect the exactness and range of your knowledge (for theoretical data) and your ability to accurately execute the exercises (and your performance for doing so).

The maximum score is 100 points. The pass mark is 75/100. In all cases, your examiner will give you the detailed results during the debriefing, so as you can identify your errors and correct them in case the exam is failed.

Some special situations may result in an automatic exam failure (maximum score = 51/100):

Radio Communication proficiency failure
English Communication proficiency failure
Examinee quick reactions and calmness failure
Insufficient theoretical knowledge
Poor theoretical knowledge
Extremely poor theoretical knowledge
No charts
Loss of separation or Risk of collision
Landing/Take-off clearance while another aircraft is still on the runway
Landing/Take-off clearance if another aircraft is cleared to line up on the runway ahead
Landing/Take-off clearance if another aircraft is cleared to cross the runway
Inability manage VFR on circuit pattern
One task marked "0"
Vector or let aircraft flying through a prohibited area
Vectoring below MRVA/MSA
Issuing a clearance below published altitude on procedures below MRVA/MSA
Control instruction that put the aircraft in immediate terrain collision situation

NOTE: The score for those exams shall be 51/100 or less depending on the total result of the exam. This does not mean that the exam is not continued until finished.

NOTE: In those airports where MRVA is not available (not published in real life) the MSA should be considered as the reference for radar vectoring. As the MSA could be different depending on the chosen approach plate, both examiner and examinee should agree which MSA is going to be used during the exam.

Area Control Centre exam Briefing Guide and Exam Standards	Version 2.8	23 May 2017	Page 5
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We know that the MSA is not a real parameter to be used on radar vectoring but it is the only value we consider to be feasible for virtual purposes.

An exam is considered as failed and the practical part will stop immediately or will not be performed if:

- Examinee has extremely poor theoretical knowledge (score shall be at or below 10/100)
- Examinee makes any violation against IVAO Rules and Regulation (score shall be 0/100)
- Examinee does not turn up for the exam and a valid reason is not given within 48 hours. This will cause the exam to be considered as failed (score shall be 1/100 or 0/100 depending of examiner)
- Examinee decides to stop the exam at any time after it has begun (score shall be 1/100 or 0/100 depending of examiner).
- In case of any cheating during a practical exam, regardless if during the theoretical or the practical part, the result will be 0/100 and a blocking of 6 months for exams will be appointed to the examinee.

If the examinee fails to arrive for the exam at the time organised, the examiner should wait for 15 minutes. After that period, the examiner can log off the network. The examinee then has 48 hours to provide a valid reason for the failure to attend by email. If no email is received in time the exam will be marked as failed.

Should a PC crash occur which is out of the applicant's control, the exam will have to start again or will be delayed to take place on another day, the decision being up to the examiner.

7. Validation of the exam

After evaluation, your examiner will send his evaluation to the training director who will assign a validator.

The validator will verify the marking based on the comments and marking sheet of the examiner.

The validation process needs a validation delay estimated from one day minimum to an average maximum of one week.

If your exam is validated as a success your rating will be updated at 1200z the following day.

Area Control Centre exam Briefing Guide and Exam Standards	Version 2.8	23 May 2017	Page 6
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