**evaluation checklist**

**EASA Guidance for allowing virtual classroom instruction and distance learning, Iss. No. 5[[1]](#footnote-1) (EASA GVCIDL)**

Name of the Operator: ­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Aircraft type (s): ­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

| **Evaluation criteria**  | **In place Yes (Y), No (N) or N/A** | **Document reference** | **How is it achieved (in case additional comment is required)?** | **LT CAD inspector’s assessment remarks** |
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| 1. **Scope (refer to ch. 3 of EASA GVCIDL)**
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| 1. **Glossary (refer to ch. 1 of EASA GVCIDL)**
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| 1. **Risk assessment to evaluate whether:**
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| * 1. Students and theoretical knowledge instructors will have access to appropriate equipment to support remote learning/instruction or the shift from face-to-face to virtual classroom training.
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| * 1. The teaching style remains effective in achieving the training objectives.
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| * 1. The remote environment is able to reach each training objective (not all will be achievable, such as those related to OSD in pilot training)
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| 1. Change management process.
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| 1. Distance Learning
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| * 1. When introducing distance learning, due consideration should be given to students’ evaluation. For this reason, after finishing the distance-learning course, the training provider should have an evaluation meeting with the students at the training centre.
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| * 1. During distance learning, the progress needs to be more closely monitored. This can be done by additional (online) tests. For most courses, examination may not be acceptable online and should be done at a later stage. A short refresher training may be desirable.
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| * 1. Distance learning requires additional attention during internal audits.
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| 1. **Virtual Classroom Instruction**
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| * 1. The face-to-face classroom instruction delivered by an instructor may be replaced by virtual classroom instruction, such as videoconferencing, if an acceptable level of communication and interaction is ensured with appropriate equipment and tools.
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| * 1. The virtual classroom instruction should provide real-time instructor-led learning where students can interact, communicate, view and discuss presentations.
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| The training provider should also guarantee that students make satisfactory academic progress and maintain reliable records for the completion of training. |  |  |  |  |
| * 1. IT tools, forming a more or less integrated IT system: VLE (Virtual Learning Environment), LMS (Learning Management Systems), Virtual Classrooms, Video Conferencing, cloud-based e-learning, progress tests from outsourced sites, E-books, Twitter, YouTube or other video channels, etc.
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| * 1. These requirements should be in place and constitute a crucial part of the Compliance Monitoring System.
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| * 1. *Virtual Classroom Instruction – Level of Communication*
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| 1. An acceptable level of communication should meet all the following criteria:
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| (1) Live interactive instructor-led sessions in an online learning environment within a shared online space; |  |  |  |  |
| (2) Maintain continuously an active and simultaneously exchange between instructor and student(s): dynamic and two-way flow of communication without delay; |  |  |  |  |
| (3) Able to share relevant training material as specified for the appropriate lesson, unit or course in the training manual; |  |  |  |  |
| (4) Maintain a “video and audio” interactive communication by taking into account non-verbal communication cues (tone of voice, facial expression …); |  |  |  |  |
| (5) Establish a policy for the use of the virtual classroom instructions such as “raise your hand, question, …” |  |  |  |  |
| (6) Monitor what the instructor’s screen displays; |  |  |  |  |
| (7) Ensure that students have tools to present learning content in different formats, as well as to implement collaborative and individual activities. The instructor should have the particularly important role of the moderator who guides the learning process and supports group activities and discussions. |  |  |  |  |
| 1. Virtual classroom instruction requires the students and the instructor to interact equally – active participation, collaborative work, and communication are encouraged in this type of classroom. The instructor creates opportunities for both independent learning and learning from one another, and guides the students in developing and practicing the skills they need.
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| 1. Doing this at the student’s own pace, as far as practicable, would enhance a student-centred training. This increases the motivation level of the students as well as their interest in the learning activities.
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| * 1. *Virtual Classroom Instruction – Appropriate Equipment and Tools*
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| 1. The equipment/tools needed for the virtual classroom instruction should ensure an acceptable level of communication without technical interruption during the virtual classroom instruction.
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| 1. The equipment should ensure the students identification (visual when needed) and, a continuous assessment of the level of communication with all students.
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| 1. The equipment should permit the instructor to achieve the same training objectives and quality of instruction compared to instruction within face-to-face classroom instruction as defined by the training provider.
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| 1. Generally, smart phones are not considered adequate for presenting video and images, although they may be very effective for attending a lecture.
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| * 1. *Virtual Classroom Instruction — Instructor*
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| 1. The training provider and air operator should ensure that the instructor delivering virtual classroom instruction:
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| (1) Has received appropriate training covering at least learning style, teaching method associated to virtual classroom instruction, such as videoconferencing, and a familiarisation to the used virtual classroom instruction system, |  |  |  |  |
| (2) Demonstrates his ability to manage time, training media and equipment and tool to ensure that the training objectives are met, |  |  |  |  |
| (3) Performs any necessary assessment of the student(s) including proper identification of the assessed student. |  |  |  |  |
| 1. Over the course of the virtual classroom instruction, the students should be encouraged by the instructor to participate at regular intervals. This can be achieved by a variety of activities such as brainstorming, small group discussion, collaborative and individual tasks, Q&A sessions, etc.
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| * 1. *Virtual Classroom Instruction — Student*
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| 1. Creating positive learning environment, engaging students and encouraging active participation helps students achieving the learning objective.
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| 1. During the virtual classroom instruction, there should be opportunities for frequent interaction between student and instructor, student and other students, and student and content: instruction in a synchronous virtual classroom can only be successful with the active participation and engagement of the students. This creates a positive learning environment and helps the students achieve the expected outcomes
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| * 1. *Virtual Classroom Instruction — Acceptable Level of Academic Effectiveness*
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| 1. *Maximum number of students and training times*
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| 1. The maximum number of students should be established considering the capability of the tool to maintain an acceptable level of communication and it should be adapted to the training objectives. Ideally, it should avoid exceeding a maximum number of 12 students.
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| 1. Training design should take into account that students may find virtual classroom training more tiring than traditional classroom training and the daily training hours may therefore need to be reduced.
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| 1. A break of reasonable time should be planned for every hour of virtual classroom instruction.
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| 1. *Attendance records*
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| The instructor delivering the virtual classroom instruction should be responsible for the attendance records of the students by ensuring the students are in the virtual classroom instruction with the appropriate level of communication during all the virtual classroom instruction. |  |  |  |  |
| 1. *Interruption of connection, loss of communication*
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| 1. Interruption of connection and loss of communication amongst individual participants can happen during a virtual classroom session.

The training provider should develop a policy on the progress of such a session, repetition of instructed training element and re-involvement of participants affected by the temporary loss of connection. |  |  |  |  |
| 1. Non-attendance should be managed in accordance with the “non-attendance” policy as in a face-to-face classroom instruction.
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| 1. *Examinations/Evaluations*
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| 1. When examination or evaluation is necessary in virtual classroom, positive identification of students should be assured.
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| 1. Oral exams or remote forms could be used, provided the system used is the same for all students.
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| 1. **Training System Feedback Loop**
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| The training provider should ensure that: |  |  |  |  |
| (1) The participants report strengths and weaknesses of the training system (training environment, training programme, assessment/evaluation) and suggest improvements; |  |  |  |  |
| (2) The instructor keeps an effective time management; |  |  |  |  |
| (3) Discussions among classmates is facilitated; |  |  |  |  |
| (4) Feedback system for student is elicited. |  |  |  |  |
| 1. **Oversight by NCAs**
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| NCAs should have access to the virtual classrooms and sample the training. |  |  |  |  |

Any additional comments by the Operator (if required):

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| Operator’s representative(s): | Name/Signature:  | Date: |

The undersigned certifies that the information provided by the Operator in this form is correct and true to permit the TKA to review the applicant’s documents with supporting evidence to satisfy conditions for issuing an exemption for FTL requirements under article 71(1) of regulation 2018/1139 (the Basic Regulation).

1. <https://www.easa.europa.eu/document-library/general-publications/guidance-allowing-virtual-classroom-instruction-and-distance> [↑](#footnote-ref-1)