

100 KSA

Knowledge, Skill and Attitude

ED Decision 2018/001/R



DSAC

Direction Générale de l'Aviation Civile

Ministère de la Transition écologique et solidaire

WHAT FOR ?

- The aim of the Area 100 'Knowledge, skills and attitudes' (KSA) is to enhance the pilots' KSA contained in the core competencies.
- This Area 100 contains requirements for ATOs to assess student pilots' KSA. The ATOs have to ensure that student pilots have an adequate level of competency before they are allowed to sit their final TK examinations.
- These skills focus on the pilots' ability to apply their knowledge and understanding across subjects and to demonstrate technical and non-technical skills.

Executive Director Decision 2018/001/R



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WHAT?

- At least two summative assessments
They should be designed so that they collectively give the student the opportunity to demonstrate competency in all LOs in 100 02 and 100 03 of Area 100 KSA;

AMC3 ORA.ATO.230(a)

- At least one formative assessment
The formative assessment(s) should be designed such that the student has the opportunity to ask questions and develop competencies in most of the LOs in 100 02 and 100 03.

AMC3 ORA.ATO.230(a)

- At least, one mental maths test(s) (written or oral format) scenario-based, with at least two questions per LO in topic 100 04.

AMC4 ORA.ATO.230(a)



WHEN / WHERE ?

- Completion of the area 100 KSA assessment before final examination;
- Completion of the Area 100 KSA assessment in the ATO.

These LOs will, therefore, not be the subject of examinations organized by competent authorities or their agents, but will be **assessed by the ATOs** to ensure that student pilots have an adequate level of competency **before they are allowed to sit their final TK examinations.**

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WHO ?

KSA 100 training requires instructors qualified inside the ATO.

ATO should ensure that:

- Instructors that deliver KSA instruction have received appropriate training(...);
- Instructors responsible for assessing Area 100KSA have received appropriate training (...).
- Annual recurrent training-focus on inter-rater reliability.

AMC2 ORA.ATO.230(a).

HOW ?

Satisfactory' standard for the summative assessments

- (i) meet at least 35 % of the indicators relevant to the assessment exercise, in each competency;
- (ii) have an overall positive effect on the outcome or completion of the exercise without any external input from the instructor,

AMC3 ORA.ATO.230(a) (c) (3)

The mental math test require a minimum score of 75 %

AMC4 ORA.ATO.230(a) (c)

HOW ?

Exercises and assessments are to be interwoven into the theoretical knowledge training, utilising a range of learning styles; they should address subject or cross-subject topics, with the application of threat and error management (TEM) and, where possible, be scenario-based. The exercises and assessments do not need to be confined to a classroom.

GM3 ORA.ATO.230(a)

ATP integrated course:

THEORETICAL KNOWLEDGE

(c) The 750 hours of instruction, which also cover the Area 100 KSA, may include, in suitable proportions:

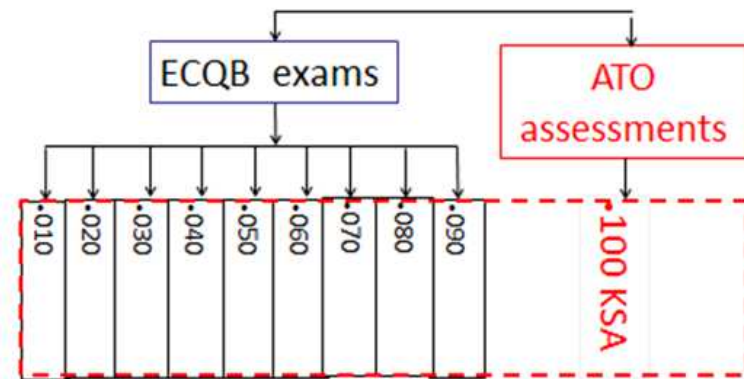
AMC1 to Appendix 3



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Revision of the TK system



LOs

ED Decision 2018-001-R specify the following Los :

100 01 00 00 : ICAO CORE COMPETENCIES (1Los)

100 02 00 00 : CORE COMPETENCIES LEARNING OBJECTIVES

100.02.01.00–Communication (10 Los)

100.02.02.00–Leadership and teamwork (11 Los)

100.02.03.00–Problem-solving and decision-making (9 Los)

100.02.04.00–Situation awareness (3 Los)

100.02.05.00–Workload management (5 Los)

100.03.00.00 THREAT AND ERROR MANAGEMENT LEARNING OBJECTIVES

100.03.01.00–Application of knowledge (2 Los)

100.03.02.00– UPRT and resilience (5 Los)

100 04 00 00 MENTAL MATHS (11 Los)

Appendix to Annex I to ED Decision 2018/001/R



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Transition Period



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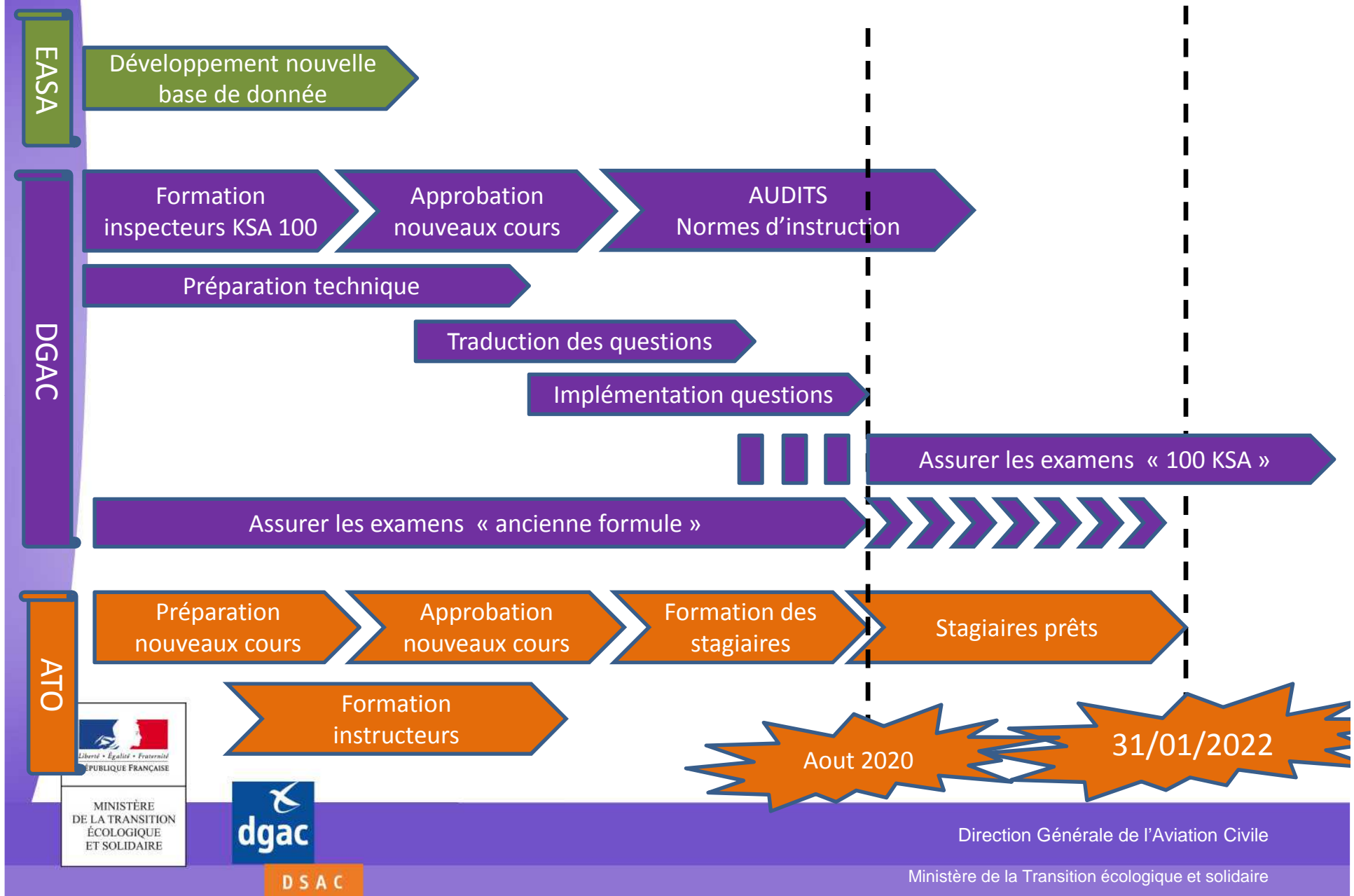
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TRANSITION PERIOD

- Transition will **take time** to manage effectively
- Transition plan spanning over 4 years, → 01/02/2022
- ATOs should start preparing their new courses
 - ✓ amend their training manuals to introduce the new Area 100 KSA;
 - ✓ train the Area 100 KSA assessors and instructors
 - ✓ update their training course applying instructional design
 - ✓ amend their training manuals to introduce the new Los
- Competent authorities should prepare the implementation measures.
 - ✓ train their inspectors for the approval of Area 100 KSA
 - ✓ approve the revised ATO training manuals
 - ✓ prepare their exam delivery system to accommodate the revised ECQB
 - ✓ migrate the revised ECQB into their examination delivery platform
 - ✓ translate the questions into the language(s) of the examination

PÉRIODE DE TRANSITION



EASA

Développement nouvelle base de donnée

DGAC

Formation inspecteurs KSA 100

Approbation nouveaux cours

AUDITS Normes d'instruction

Préparation technique

Traduction des questions

Implémentation questions

Assurer les examens « 100 KSA »

Assurer les examens « ancienne formule »

ATO

Préparation nouveaux cours

Approbation nouveaux cours

Formation des stagiaires

Stagiaires prêts

Formation instructeurs

Aout 2020

31/01/2022



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Reactions?



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