



KSA 100 in Theoretical Knowledge Training

Implementation in a Modulated or Integrated ATPL Course

Summary

- New EASA Requirements;
- Distance Modular **AMC Compliant** Implementation;
- Integrated **AMC Compliant** Implementation.

EASA KSA 100 AMC

A brief summary

KSA 100 Requirements

Instructors' Qualification:

And ATO should ensure that:

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

Ref.: AMC2 ORA.ATO.230(a).

Assessments:

As a minimum, an ATO should ensure the following tests:

- One (1) **formative** assessment covering *most* of the KSA 100 02 and 03 LOs;
- Two (2) **summative** assessments covering *all* of the KSA 100 02 and 03 LOs *between the two*;
- One (1) mental maths test with *at least* 22 questions (2 per KSA 100 04 LO).

All of this done and put on the **students record** before the student's *first attempt at his last subject exam*.

Ref.: AMC3 ORA.ATO.230(a). and AMC4 ORA.ATO.230(a).

Assessment Pass Standards:

To achieve a 'Satisfactory' a student must:

- meet **at least 35%** of the indicators relevant to the assessment exercise, **in each competency**;
- have an **overall positive effect** on the outcome or completion of the exercise **without any external input**.

The **absence** of **negative behaviours** is considered to be **satisfactory** for the level of training desired.

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

Distance Modular Compliant Implementation

KSA 100 and Distance Learning

The Modular Challenges:

Instructors Qualifications:

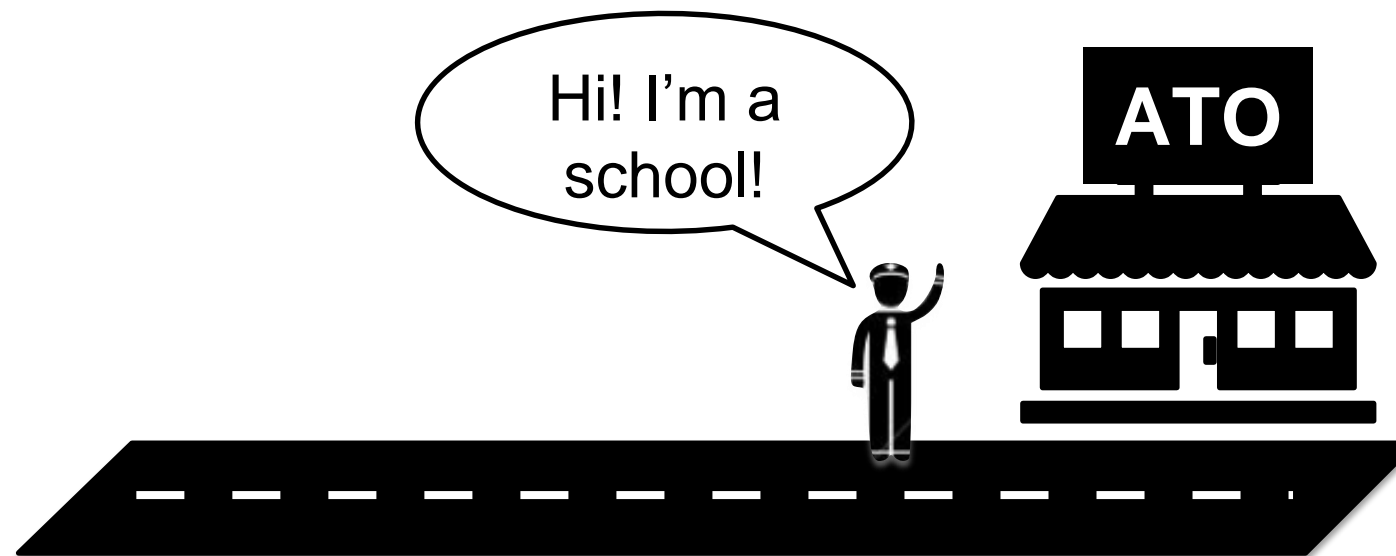
- Limited number of permanent TKI;
- Large number of nonpermanent TKI with highly restricted availability;
- ATO-specific KSA training delivery required.

Assessments:

- Limited amount of classroom time (65 to 100 hours).

The Most Challenging Case

- Minimum classroom time - 65 hours;
- Single permanent TKI - the CTKI;
- One-on-one instruction only.



Meeting the KSA Instruction and Assessment Requirement:

- CTKI only: NAA approved course (CRM, TIC...), EASA workshop;
- To certify a TKI:
 - CBT for familiarisation with the assessment exercises and the grading system;
 - one training session with the CTKI, repeated yearly, where previous assessments are reviewed.

Assessments:

- **Mental Maths and Formative Assessment:** video-based distance assessment;
- **Summative Assessments:**
 - Two separate exercises to be fitted in the mandatory classroom periods or;
 - One video-based distance assessment, one fitted in the classroom periods.

Integrated AMC Compliant Implementation

KSA 100 in an Integrated Course

Instructors' Qualification:

An FTE instructor receives the following training to be able to instruct/assess Area 100 KSA:

- Initial induction, where a new instructors needs to follow an experience instructor as he goes through the whole syllabus, including the KSA assessments;
- **Annual** check;
- CRM/TEM e-learning course.

Assessments:

Ground School Phase 1

								PT								M		E	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Formative Assessment ↑

First Summative Assessment ↑

Flying School Phase 1

1	2	3	4	5	6	7	8	9	10	11	12

Ground School Phase 2

				PT					M		E
1	2	3	4	5	6	7	8	9	10	11	12

First attempt at the last exam. ←

Second Summative + Mental Maths ←

The Formative Assessment:

- Groups of 4 Students
- Power Point presentation;
- On a topic already covered;
- LOs covered:
 - 100 02 01 00 - Communication;
 - 100 02 02 00 - Leadership and teamwork;
- Debrief with the CTKI and/or Trained Instructor.

The First Summative Assessment:

- 4 candidates group exercise;
- Generic role-playing exercise (*a nuclear holocaust just happened and your are all in a bunker...*);
- LOs covered:
 - 100 02 01 00 - Communication;
 - 100 02 02 00 - Leadership and teamwork;
 - 100 02 03 00 - Problem-solving and decision-making;
 - 100 02 05 00 - Workload management.
- Debrief with the CTKI and/or Trained Instructor

The Second Summative Assessment:

- 3 against 3.
- 2-part exercise, timed exercise:
 1. 030 Flight Performance and Planning Practical Exercise - 20 min;
 2. Role-Playing a loss of awareness regarding automation while assembling lego aeroplanes - 40 min;
 3. Whoever builds more aeroplanes wins.
- All applicable LOs covered.
- Debrief with the CTKI and/or Trained Instructor.

Any Questions?
