



Implementation first steps

Examples for Discussion

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AIRBUS

Guidance on implementation - Outline

1. Area 100 KSA completion certificate
2. Mental Maths
3. Area 100 KSA LO Matrix
4. Implementation

1. Area 100 KSA completion certificate

AMC1 ARA.GEN.220(a) record keeping and AMC3 ORA.ATO.230(a) (d) training manual

Student, ATO and course information, and date of the summative assessment in which that competence was first passed

NAA and ATO use of a standard form would negate production costs and minimize time and costs for NAAs, ATOs and students transferring between NAAs

CERTIFICATE OF SUCCESSFUL COMPLETION OF THE AREA 100 KSA			
Applicant's last name(s):		First name(s):	
National Authority number:		State:	
TK Course			
Date of the summative assessment at which competence or test was first passed			
Communication		Application of Knowledge	
Leadership & Teamwork		Mental Mathematics	
Problem Solving & Decision Making		UPRT & Resilience	
Situational Awareness		Other (state)-	
Workload Management			

The satisfactory completion of the Area 100 KSA Training and Assessments according to requirements is certified below:

TRAINING		
Theoretical Knowledge course including Area 100 KSA training and assessment received during period:		
From:	To:	Name of ATO:
Address of Training Location:		Signature of CTKI or Head of Training of ATO confirming training and assessment completion
		Name
		Date

2. Mental Maths

Demonstrate, in non-calculator scenario test the ability in a time-efficient manner to make correct mental calculation approximations

AMC4 to ORA.ATO.230(a) and AMC1 to Appendix 3

Examples of how:

- Instructor posed questions in the classroom
- Quizzes that cover mental maths introduced in subjects to that point
- Final mental maths test- scenario based and time limited

Format of test?

Example- the questions could relate to two scenario flights, such as a VFR MEP transit to a survey site and a short haul flight with diversion or arrival delays.

Stated ATO process to protect test integrity

Example- use of similar or same scenarios with 5 or more sets of numerical values for each question, and a question numerical value refresh process.

3. Area 100 KSA LO Matrix

AMC3 ORA.ATO.230(a)

Training and operations manual

(d) The training manual should include a **matrix** which shows which Area 100 KSA LOs are covered in each summative assessment

In addition:

in (b) the formative assessments to be designed to cover competencies in most of the LOs in topics 100 02 and 100 03, and

In (c) the summative assessments should be designed so that collectively cover all the LOs in topics 100 02 and 100 03

		HF presentation(FMS/ Inst assessment	(pair) Comms / Met/ plates	scenarioPlanning	
(08)	Show empathy, respect and tolerance for others.	x	x			x
(09)	Show the ability to engage others in planning and to allocate activities fairly and appropriately according to others' abilities.	x	x			x
(10)	Show the ability to address and resolve conflicts and disagreement in a constructive manner.	x	x			x
(11)	Show the ability to project self-control in all situations.	x	x			x
100 02 03 00	Problem solving and decision making					
(01)	Show the ability to seek accurate and adequate information from appropriate sources.	x	x	x	x	x
(02)	Show the ability to identify and verify what and why things have gone wrong.	x	x	x	x	x
(07)	Show the ability to identify and consider options effectively.	x		x	x	x
(08)	Show the ability to monitor, review and adapt decisions as required.	x		x	x	x
(09)	Show the ability to identify and manage risks <u>effectively</u> .			x	x	x
100 02 04 00	Situation awareness					
(01)	Demonstrate the ability to identify and assess accurately the general environment as it may affect the operation.			x	x	x
(02)	Demonstrate the ability to identify threats, errors and undesirable aircraft states.		x	x	x	x
(03)	Demonstrate the ability to manage threats, errors and undesirable aircraft states.		x	x	x	x
100 02 05 00	Workload management					
(01)	Show the ability to maintain self-control in all situations	x	x	x		x
(02)	Show the ability to plan, prioritise and schedule tasks effectively.	x		x	x	x
(03)	Show the ability to manage time effectively when carrying out tasks.			x	x	x
100 03 00 00	ADDITIONAL TEM-RELATED LEARNING OBJECTIVES					
100 03 01 00	Knowledge					
(01)	Demonstrate the ability to complete pre-flight planning in practical exercises.				x	
(02)	Demonstrate the KSA and TEM relating to any phases of flight in the ground training environment	x	x	x	x	x

4. Implementation

With ISD of new Area 100 KSA requires an ATO Management of Change process to cover pre and post implementation

Example for discussion:

Pre-manual submission the ATO


1. Run TEM training for TKIs and introduce concept of competencies and Area KSA 100 and consider teaching and learning course
2. Identify KSA potential exercises and assessments and trials one or more of these exercises and/or assessments at a time and subsequently conducts evaluation and further improvement etc
3. Produces draft ATO performance indicators and grading word pictures, assessment grading and refine
4. Commence initial course review using ISD methodology, consider if any or phased change in teaching order
5. Design draft KSA instructor training program (for initial trial exercises and assessments)

Manual submission

- Once course developed under current regulation (with additional components) the current ATO produces Training and Operations Manuals for authority submission

Post approval

- The ATO continues to review the course using ISD methodology and approved manual review process



Thank-you Questions and discussion

Implementation of Area 100 KSA

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