

Airman Testing: Change is Coming

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March 28, 2023



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New Mechanic Test Generator (MTG)

- **Deadline for Part 147 and 65 rules: July 31, 2023**
 - Airmen Testing Standards Branch website:
(https://www.faa.gov/training_testing/testing)
 - Includes:
 - Info and resources for DMEs, mechanic applicants, and managing specialists. The website will continue to be updated with relevant information.
- **August 1, 2023: DMEs will no longer be able to download tests from the Designee Registration System (DRS)**
 - Previously downloaded tests from DRS will no longer be valid after July 31, 2023.



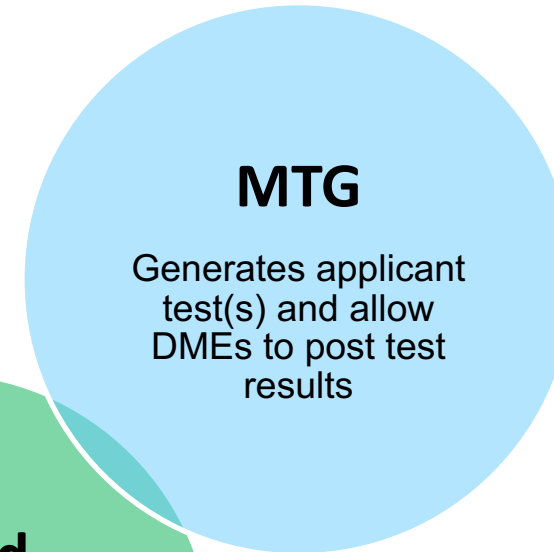
New Mechanic Test Generator (MTG)

- **Starting August 1, 2023: DMEs must use the new MTG system to:**
 - Access test resources
 - Post test results
- **Resources available on airman testing website:**
 - Sample test
 - FAQs
 - Links to DME training
- Questions or comments, contact: AFS630Comments@faa.gov.

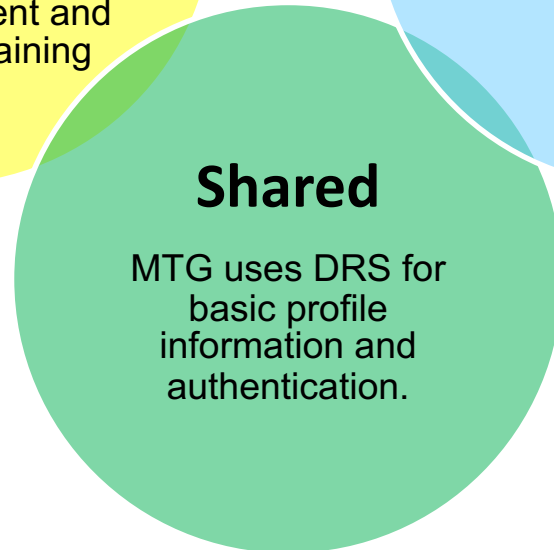


DRS vs. MTG

Designee Registration System (DRS)



Mechanic Test Generator (MTG)



DRS is for **ALL** FAA Designees **and** external users (such as students)

MTG is **ONLY** for Designated Mechanic Examiners (DME)



PTS vs. ACS



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Mechanic Knowledge Testing (§ 65.75)

PTS:

- 60 Questions: General Test
- 100 Questions: Airframe Test
- 100 Questions: Powerplant Test
- **3 Choices per question**
 - 1 Correct
 - 2 Distractors

ACS:

- 60 Questions: General Test
- 100 Questions: Airframe Test
- 100 Questions: Powerplant Test
- **3 Choices per question**
 - 1 Correct
 - 2 Distractors

Each subject area contains 5 to 10% of the test questions

70% passing score per § 65.17 is applied to all three AMT exams



Mechanic Oral Testing (§ 65.79)

PTS:

- Applicants are asked a minimum of **172 questions**:
 - Procedures require the DME to ask 4 per subject area, but may ask up to 7; and
 - Up to 301 questions may be asked, if 7 questions are asked in each subject area.
- The applicant must **pass whatever was asked**, to the **70% standard**, by **subject area**, not relative to the entire test.
- When the applicant **fails a subject area**, the **test is stopped and marked as a fail**.
- Retest: **Test all subjects again**

ACS:

Applicants will be **asked a minimum of 12 oral questions** if 100% was achieved on **all knowledge tests**.

- **If every question missed** on the knowledge test was a **different ACS Code (but, the applicant still passes)**, there **could be a maximum of 90 oral questions asked**:
 - General: 22 questions
 - Airframe: 34 questions
 - Powerplant: 34 questions
- The test will **have a question on each ACS Code missed** on the knowledge test, **plus 4 additional oral questions**
- Retest: **Will retest each failed subject again**
 - The 70% standard is applied to the entire test.



Major Difference with Oral Portion

- Oral is standalone and **MUST** be separate from the practical portion of the test
- **EVERY** question **MUST** be asked.
- The sections are graded as a **WHOLE** (General, Airframe, Powerplant)



Mechanic Practical Testing (§ 65.79)

PTS (Current):

- There are **5 possible practical tests**, from a grading projects perspective.
- There are a **maximum of 22 projects**:
 - **General**: 6 projects
 - **Airframe Structures**, Section II: 3 projects
 - **Airframe Systems**, Section III: 4 projects
 - **Powerplant Theory and Maintenance**, Section IV: 3 projects
 - **Powerplant Systems and Components**, Section V: 6 projects
- For each test listed above, if the applicant fails any 1 project, the applicant fails the test, and the test stops.
- **Retest**: Need to pass the failed subject area (same project failed previously), plus the maximum additional, randomly-selected subject areas, within that test area.
 - Pass/fail standard by project (i.e., if any project is failed, the applicant fails the test)

ACS:

- There are **3 tests total**, with a **maximum of 32 projects**
- Tested:
 - **General**: 10 projects out of 12 subject areas (stop after 4 failed)
 - **Airframe**: 11 projects out of 15 subject areas (stop after 4 failed)
 - **Powerplant**: 11 projects out of 14 subject areas (stop after 4 failed)
- For each test listed above, the **applicant tests up to the point the test is failed**.
- **Retest**: Applicant is retested on the failed project along with any subject areas not tested on the previous test (i.e., failed and untested projects carry forward to the retest).



Major Difference with Practical Portion

- This section is **standalone** and projects **CANNOT** be **combined**.
- There are **practical questions within the projects** that are **specific to that project**.
- **If any portion of a project** (practical question or application) is **failed then the entire project is a failed**.
- **Projects are graded as a whole**.
 - The applicant **can fail more than one project and still pass the test**.



Example Project

Project #	DESCRIPTION:	Locate and explain procedures for removing and installing a turbine engine fuel control unit.
	GIVEN:	Assigned aircraft, and appropriate reference material.
	PERFORMANCE STANDARD:	The applicant will locate and explain procedures for removing and installing a turbine engine fuel control unit, as prescribed by reference material
	ACS CODE:	AM.III.I.S14
	REFERENCE:	Given applicable reference material

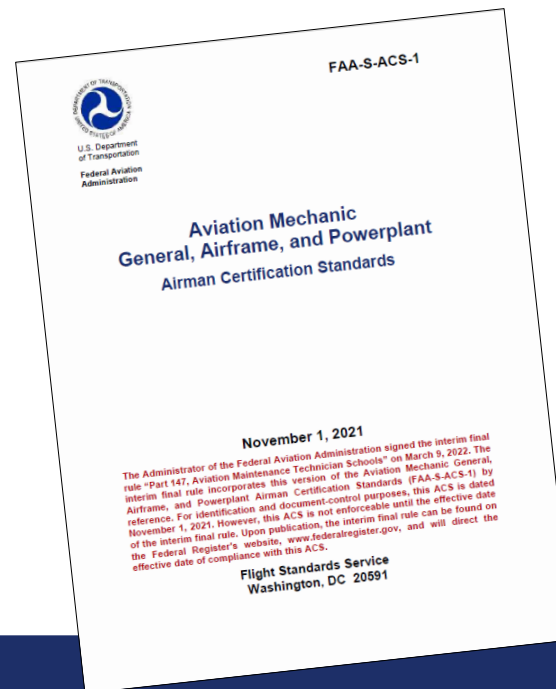
Question # **QUESTION:** On the assigned aircraft what is the procedure for draining the residual fuel in the fuel control unit?
ANSWER: The procedure will be per the manufacturer's maintenance manual.
ACS CODE: AM.III.I.R3
REFERENCE: Assigned aircraft's maintenance manual

Question # **QUESTION:** On the assigned aircraft what is the required torque for installing the fuel control unit?
ANSWER: The torque will be as per the manufacturer's maintenance manual.
ACS CODE: AM.III.I.K8
REFERENCE: Assigned aircraft's maintenance manual



How to find resources:

- Where to find the ACS (FAA-S-ACS-1)?
- https://www.faa.gov/training_testing/testing/acs/media/amt_acs.pdf
- Where to find the Companion Guide (FAA-G-ACS-1)?
- https://www.faa.gov/training_testing/testing/acs/



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Important Dates

- **July 31, 2023** Last day of “old MTG” testing and usage
- **August 1, 2023** ALL testing begins using “new MTG”



Questions?



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