



AIRFIELD ASPHALT CERTIFICATION PROGRAM

2022 Tri-Service Airfield Asphalt Industry Review at TRB

Certification Program Update

11 Jan 2022

Airfield Asphalt Certification Program

Key Goals:

- Increase the quality of construction for work performed under the UFGS asphalt airfield specifications.
- Ensure that project team members are knowledgeable in the area of airfield asphalt pavements.

Intended audiences for these courses are:

- Contractor
- Consultants
- Government



— Airfield Asphalt Certification Program Courses —

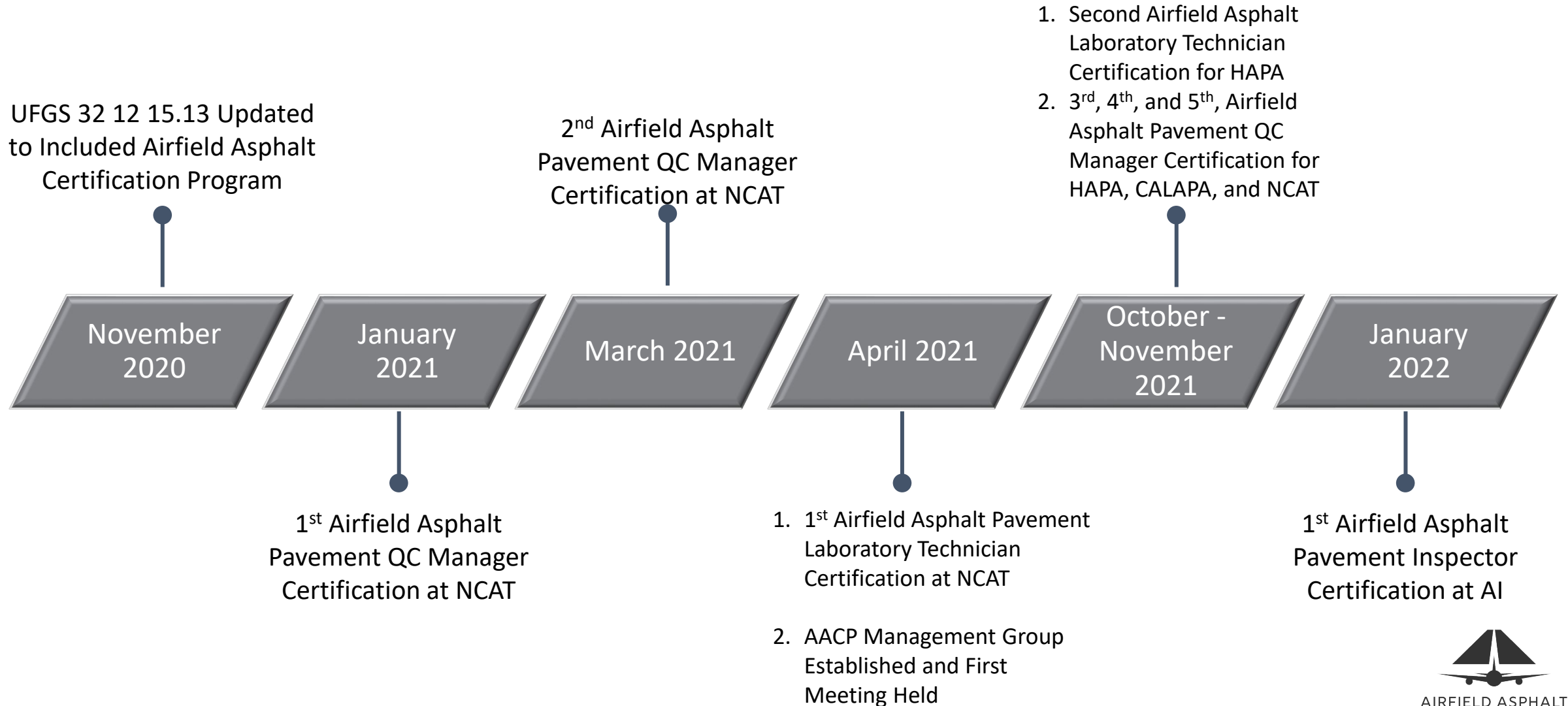
Three Certifications

**Airfield Asphalt
QC Manager**

**Airfield Asphalt
Paving Inspector**

**Airfield Asphalt
Lab Technician**

Milestones: 2020 through Early 2022



— Specification Revisions —

UFGS 32 12 15.13 Specification Revisions (Nov 2020)

SD-07 Certificates

Asphalt Binder; G[, [____]]

Testing Laboratory

Warm-mix Additive

Airfield Asphalt Pavement QC Manager

Airfield Asphalt Pavement Inspector

Airfield Asphalt Pavement Technician

1.7.5 CONTRACTOR QUALITY CONTROL STAFF

NOTE: The airfield asphalt certification program is intended to increase quality of construction for work performed under this specification. The certification program will provide knowledge to the project team members as it relates to airfield asphalt. Intended audience is the Contractor and Government personnel. The below paragraph should be modified or the general provisions of the contract should be modified to require Title II inspectors or third party laboratory firms attend the certification program.

Reference Section 01 45 00.10 QUALITY CONTROL for Contractor personnel

SECTION 32 12 15.13 Page 16

qualification requirements along with the information included below. Submit certifications for Contractor Quality Control Staff in the following areas:

- a. **Airfield Asphalt Pavement QC Manager⁽¹⁾**: The QC manager will oversee all QC testing and inspection, review asphalt pavement transmittals prior to submission to the Government, be responsible for making mix design adjustments, and in charge of all other activities related to performance. The QC manager will also ensure that daily reports and necessary transmittals arrive for Government review as specified.
- b. **Airfield Asphalt Pavement Inspector⁽¹⁾**: The Inspector will be available on the project during all paving operations. The Inspector is responsible for identifying observed paving issues and ensuring these issues are addressed by the Contractor Quality Control staff.
- c. **Airfield Asphalt Pavement Technician⁽¹⁾**: The Technician will be responsible for conducting laboratory tests. The Airfield Asphalt Pavement Technician will be present in the laboratory anytime laboratory testing is underway.

⁽¹⁾: Registration for the Airfield Asphalt Pavement Certification Program can be found at www.airfieldasphaltcert.com.



Airfield Asphalt Pavement QC Manager Certification



Airfield Asphalt Pavement QC Manager

- Required for personnel who oversee all QC/Acceptance testing and inspection, and reviews asphalt pavement transmittals prior to submission to the Government.
- Certified Team Members are responsible for making mix design adjustments, and in charge of all other quality related activities on an airfield asphalt paving project.



AAPQCM Certification Summary

Prerequisites:

- Certified as Paving Inspector OR Laboratory Technician
- 4-Years asphalt related experience OR
- 2-Years engineering-related education + 2-Years asphalt experience

2.5-Days Overview of UFGS 32 12 15.13 (and related topics):

- Plant, Surface Prep, Placement, Compaction, QC/QA, etc.

Certification Exam:

- 3-Hours, Open-Book, Minimum of 80% to pass



— QCM Certification Metrics —

Airfield Asphalt Pavement Quality Control Manager Certification

Year	Number Tested	Number Passing	Number Certified	Number Recertified
2021	61	58	58	0



Airfield Asphalt Pavement Laboratory Technician Certification



AAPLT Certification Summary

Prerequisites:

- 3-Years asphalt laboratory experience OR
- 2-Years engineering related education + 1-Year asphalt lab experience

1.5-Days Classroom Lecture of Applicable Testing Standards

1.5-Days Laboratory/Hands-On

Certification Exam:

- 3-Hours, Open-Book, Minimum of 80% to pass



Course Metrics

Airfield Asphalt Pavement Laboratory Technician Certification

Year	Number Tested	Number Passing	Number Certified	Number Recertified
2021	30	30	30	0



Airfield Asphalt Pavement Inspector Certification



— AAPI Certification Summary —

Prerequisites:

- 2-Years experience with asphalt paving OR
- 2-Years engineering related education

3.0-Days Classroom Lecture on Production and Placement for Military Airfields

0.5-Day Certification Exam:

- 3-Hours, Open-Book*, Minimum of 80%* to pass

*TBD

— Course Metrics —

Airfield Asphalt Pavement Inspector Certification

Year	Number Tested	Number Passing	Number Certified	Number Recertified
2021	0	0	26*	0

*2-Year Temporary Certification while AI develops Certification content. Certified based upon review of current qualifications

— AACCP Website

Certification records are maintained on the AACCP website database

Active certifications may be verified by the Government Representatives via the website

Certifications Valid for 4 years**



AACP Management Group

Consists of:

- Chairman (1)
- Tri-Service Representatives (3)
- FAA Representative (1)
- Consultants (2)*
- Industry (2)*
- At-Large Members (2)

10 voting members w/ Chairman as tie-breaker

*Serves 4-Year Term