



ICAO



ACR/PCR Workshop 23-25 October 2024, Dakar, Senegal

Draft agenda

Day 1

09:00 – 9:30 Opening Remarks

09:30 – 10:00 Introduction & Workshop Agenda

10:00 -10:30 Tea/Coffee Break

10:00 – 12:00 Airfield Pavement Concepts & Design

- a) Airfield Design Considerations
- b) FAA Pavement Design and Construction Standards
- c) Structural vs. Functional Design Life
- d) Design Alternatives – Reconstruction, Rehabilitation, Overlay

12:00 – 13:30 Lunch Break

13:30 – 16:00 Introduction to FAARFIELD 2.1

- a) Computer Requirements, Download, Installation
- b) Navigating FAARFIELD
- c) Key concepts: Mechanistic-empirical design, cumulative damage factor
- d) Four functions in FAARFIELD

Day 2

09:00 – 10:30 Design Examples Using FAARFIELD 2.1 (FAA AC 150/5320-6G)

- a) Flexible Pavement Example
- b) Rigid Pavement Example

10:30 – 11:00 Tea/Coffee Break

- c) Overlay Design

11:00 – 12:00 Overlay Considerations and Design (FAA AC 150/5320-6G)

- a) Flexible and Rigid Overlay Alternatives
- b) Rigid Pavement Example
- c) Overlay Design Example

12:00 – 13:30 Lunch Break



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13:30 – 14:30 ACR/PCR Concepts

- a) Annex 14 Vol. 1 / Aerodrome Design Manual (Doc 9157) Part 3 / AC 150/5335-5D
- b) Principles of the ACR/PCR Method
- c) Key changes from legacy
- d) Responsibilities for publishing ACR and PCR

14:30 – 14:45 Break

14:45 – 16:00 Continued ACR/PCR Concepts

- a) FAA Implementation
- b) Responsibilities for publishing ACR and PCR

Day 3

09:00 – 10:30 PCR Calculation FAARFIELD 2.1 (FAA AC 150/5320-6G)

- a) Flexible Pavement Example
- b) Rigid Pavement Example
- c) Overlay Design

10:30 – 11:00 Tea/Coffee Break

10:30 – 12:00 Cont. PCR Calculation FAARFIELD 2.1 (FAA AC 150/5320-6G)

- a) Flexible and Rigid Overlay Alternatives
- a) Overlay Design Example

12:00 – 13:30 Lunch Break

13:30 – 14:30 Data Collection for PCR Evaluation

- a) Pavement Evaluation Tools
- b) Using Available Information

14:30 – 14:45 — Break

14:45 – 16:00 Local PCR Calculation Example

- a) Analysis of available information
- b) Local PCR calculation example