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

### Draft agenda

#### Day 1

09:00 – 09:30 Opening Remarks

09:30 – 10:00 Introduction & Workshop Agenda

10:00 – 11:30 Airfield Pavement Concepts & Design

- a) Airfield Pavement Loads
- b) Flexible & Rigid Design
- c) Pavement Materials & FAA Specifications

**11:30 – 12:00 Tea/Coffee Break**

12:00 – 13:30 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

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

- a) Data Requirements
- b) Technical Evaluation
- c) PCR Reporting

#### Day 2

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

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

10:00 – 11:30 Overlay Considerations and Design (FAA AC 150/5320-6G)

- a) Flexible Pavement Example



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**11:30 – 12:00 Tea/Coffee Break**

12:00 – 12:30 Airfield Pavement Rehabilitation Alternatives

- a) Timing Rehabilitation
- b) Overlay Consideration
- c) Reconstruction Alternatives

12:30 – 14:30 Design Examples Using FAARFIELD 2.1

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

**Day 3**

09:00 – 10:30 ACR/PCR Discussion Topics

- a) Occasional Overload
- b) Using Aircraft Approach
- c) Using Aircraft Example

10:30 – 11:30 Operational Maintenance of Airfield Pavement

- a) Airfield Pavement Inspection
- b) Pavement Management Plans
- c) Maintenance & Repair

**11:30 – 12:00 Tea/Coffee Break**

12:00 – 13:00 Wrap-up & Certificate Presentations

13:00 – 14:30 Open Discussion