# Sixth Meeting of the Aerodromes Safety, Planning and Implementation Group





# ACR-PCR Implementation in the MID Region

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#### **Presentation Overview**

01

New ACR-PCR Methodology

02

ACR/PCR implementation timelines

03

ICAO guidance and training initiatives

04

ICAO Training on ACR/PCR

ICA(

MID Region
ACR-PCR Implementation
Milestones

06

Action by the Meeting

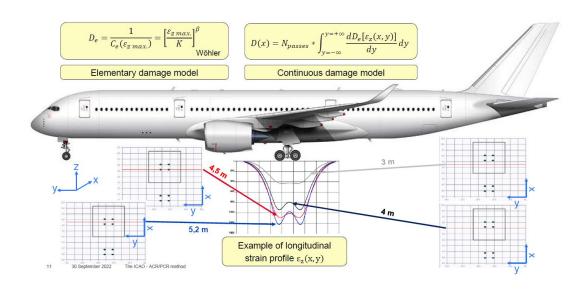
01 **ACR-PCR** Methodology

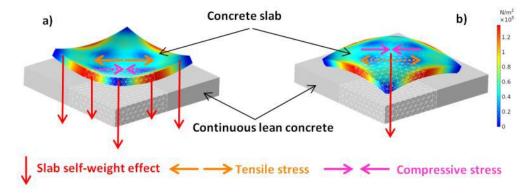




SAFETY

01
ACR-PCR
Methodology







#### 02- ACR-PCR Implementation Timelines

- The ACR-PCR method was finalized by the APEG beginning of 2018, followed by the full ICAO review & adoption process
  - Aerodrome Design and Operations Panel (ADOP) adoption in March 2018
  - Air Navigation Commission (ANC) preliminary adoption in November 2018, final adoption (after consultation with States) in June 2019
  - ICAO Council adoption (amendment 15 to Annex 14) in March 2020
- The ACR-PCR method has been effective since July 2020:
- The method will be fully **applicable** in November 2024:
  - · Airports should have published their PCR



SAFFTY

03

ICAO guidance and training initiatives

#### Doc 9157 Part 3 – Pavements

- Third edition published in 2022 (unedited 2021)
- Includes new ACR/PCR methodology
- State practices to be included by 2024



SAFETY

04
ICAO Training
(ACR/PCR)

The ACR-PCR is going to replace the ACN-PCN. Applicability: November 2024
To what extent we are ready?







04 **ICAO Training** (ACR/PCR)

**Detailed training: In person & online** 

**Duration: 2 days** 

#### **Target audience:**

- Specialized airport engineers.
- Consultants working on airport pavement design.
- Specialized State CAA engineers







04
ICAO Training
(ACR/PCR)

**Only online** 

Duration: 3 – 4 hours

#### **Target audience:**

- Airline flight operations staff.
- Airport operations and management staff.
- State CAA staff.
- Airport consultants
- Academic participants



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MID Region ACR-PCR Implementation Challenges and Milestones



MID Region ACR-PCR Implementation Milestones at Appendix A



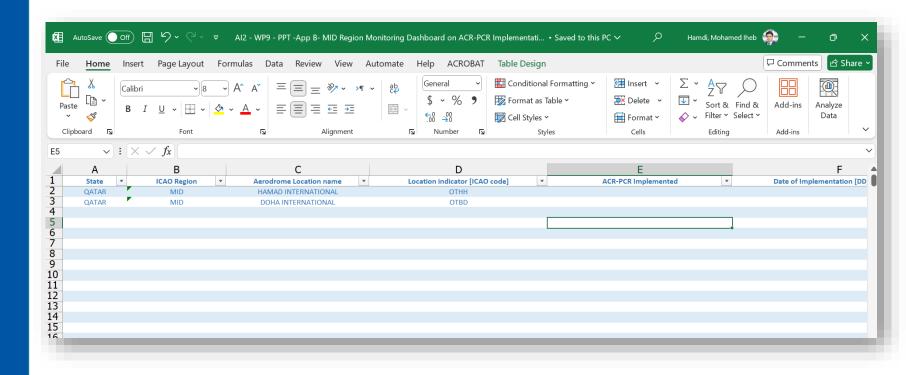
# MID Region ACR-PCR Implementation Milestones

**ACTION MILESTONES FOR THE** ESTABLISHEMNT AND IMPLEMENTATION OF THE NEW ICAO METHODOLOGY PAVEMENTS (ACR-PCR) [STATE NAME] [State focal point name: xxxxxxxxxxx [State focal point email address: xxxxxxxxxx] TARGET OBSERVATIONS Milestones ACTION RESPONSIBLE ENTITY DATE 1 Designate a focal point to coordinate activities at National Level. CAA, (AGA and ANS), provider of aeronautical Identify stakeholder focal points (aerodrome operator, aeronautical PCR 2 publications, publication service provider). aerodrome operators (AO) Establish a Mechanism/Team to ensure the proper implementation of the ACR-PCR Method, which includes personnel from the identified CAA stakeholder CAA and concerned PCR 4 Ensure the Training of the Team responsible of the Milestone PCR 3 Stakeholders Identify regulations, standards, and procedures (e.g. overload National focal point and PCR 5 operations) that will be developed/amended work team 1 Target dates are indicative only and should be replaced by realistic dates by each State ACR-PCR Action Milestones (Could adapted and detailed as deemed necessary by each State) Page 1 of 2

Appendix A: Action Milestones on ACR-PCR Implementation

05

MID Region ACR-PCR Implementation Milestones





## Appendix B : Aerodromes ACR-PCR Deployment Plan

06

Action by the meeting

The meeting may wish to agree on the following Draft Conclusion:

## DRAFT CONCLUSION 6/5:ACR-PCR IMPLEMENTATION IN THE MID REGION

That, considering the Action Millstones sample on the ACR-PCR Implementation at Appendix A, and in order to monitor the Implementation of the ACR-PCR Methodology in the MID Region, States be urged to provide, by Q3 of the current Year, to the ICAO MID Office with the progress of their Aerodromes ACR-PCR Deployment Plan, using the Template at Appendix B.









## ACTION MILESTONES FOR THE ESTABLISHMENT AND IMPLEMENTATION OF THE ICAO ACR-PCR METHODOLOGY

(to be tailored/customized and detailed by each State)

[STATE NAME]

[State focal point name: xxxxxxxxxx]

[State focal point email address: xxxxxxxxx]

Milestones	ACTION	RESPONSIBLE ENTITY	TARGET DATE <sup>1</sup>	OBSERVATIONS
PCR 1	Designate a focal point to coordinate activities at National Level.	CAA		
PCR 2	Identify stakeholder focal points (aerodrome operator, aeronautical publication service provider).	CAA, (AGA and ANS), provider of aeronautical publications, aerodrome operators (AO)		
PCR 3	Establish a Mechanism/Team to ensure the proper implementation of the ACR-PCR Method, which includes personnel from the identified stakeholder	CAA		
PCR 4	Ensure the Training of the Team responsible of the Milestone PCR 3	CAA and concerned Stakeholders		
PCR 5	Identify regulations, standards, and procedures (e.g. overload operations) that will be developed/amended.	National focal point and work team		

<sup>&</sup>lt;sup>1</sup> Target dates are indicative only and should be replaced by realistic dates by each State

Milestones	ACTION	RESPONSIBLE ENTITY	TARGET DATE <sup>1</sup>	OBSERVATIONS
PCR 6	Develop and promulgate regulations and standards, incorporating Amendment 15 to Annex 14, Vol. 1, adopted in March/2020 and in force on Nov/24/2024 (ACR/PCR).	CAA		
PCR 7	Develop and publish guidance material regarding PCR calculation.	National focal point and work team		
PCR 8	Conduct training/outreach events for AO staff.	CAA		
PCR 9	Develop an implementation schedule. Each AO must establish an implementation schedule (consider the need to carry out evaluations of the movement area pavements <sup>2</sup> ).	CAA, AO		
PCR 10	Provide the means and resources (human, financial and material) necessary to determine the PCR(s) at the aerodrome <sup>3</sup> .	AO		
PCR 11	Deadline to send information to the aeronautical information services for the preparation of the publications [to be defined according to the State AIS regulations in coordination with the CAA´s ANS]	All of them		
PCR 12	Date of effective application of the new methodology to report the resistance of the pavements of the movement area.	All of them	28 November 2024	

#### References:

- Annex 14 (Vol I) date of applicability 28 Nov 2024.
- PANS Aerodromes (Doc 9981), Amendment No. 4.
- Aerodrome Design Manual (Doc. 9157) Part 3 « Pavements », Third Edition 2022.

<sup>&</sup>lt;sup>2</sup> Those aerodromes that have a comprehensive evaluation of pavements older than 5 years (or at the discretion of the CAA).

<sup>&</sup>lt;sup>3</sup> It is considered convenient for the determination of a long-term PCR, to carry it out through the Technical Method.

#### ASPIG/6-WP/9 Appendix B

COD Rigids

SEASE

Annotherase Incomplete Code Rigids

Annotherase