



Seventh Meeting of the Aerodromes Safety, Planning and Implementation Group

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ASPIG/7 (Riyadh, Saudi Arabia, 6-10 April 2025)



ACR-PCR Implementation in the MID Region

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Presentation Overview

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New ACR-PCR Methodology

02

ACR/PCR implementation timelines

03

ICAO guidance and training initiatives

04

ICAO Training on ACR/PCR

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MID Region
ACR-PCR Implementation
Milestones

06

Action by the Meeting

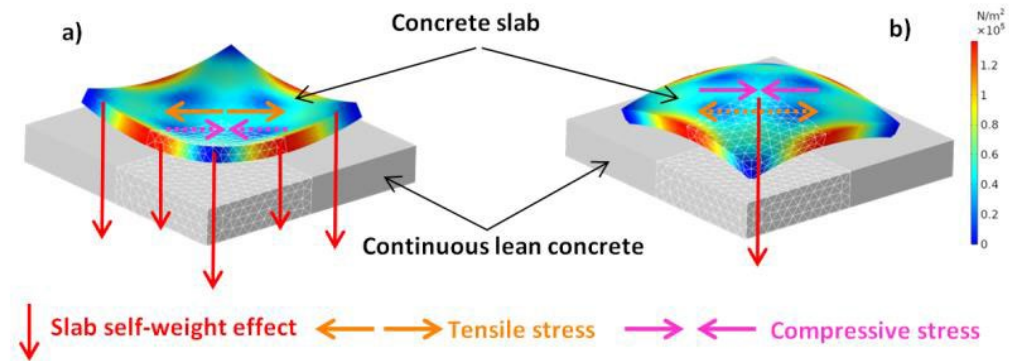
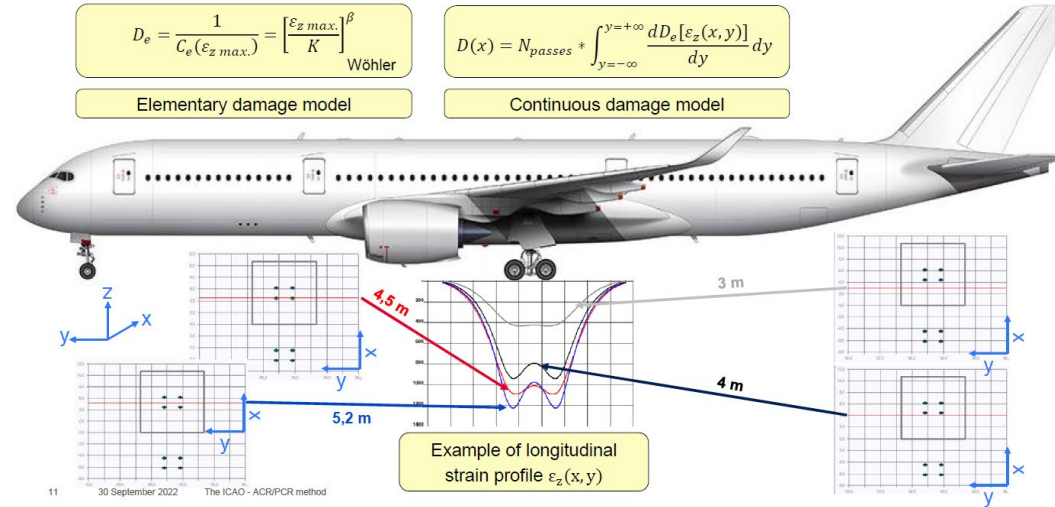
01

ACR-PCR Methodology



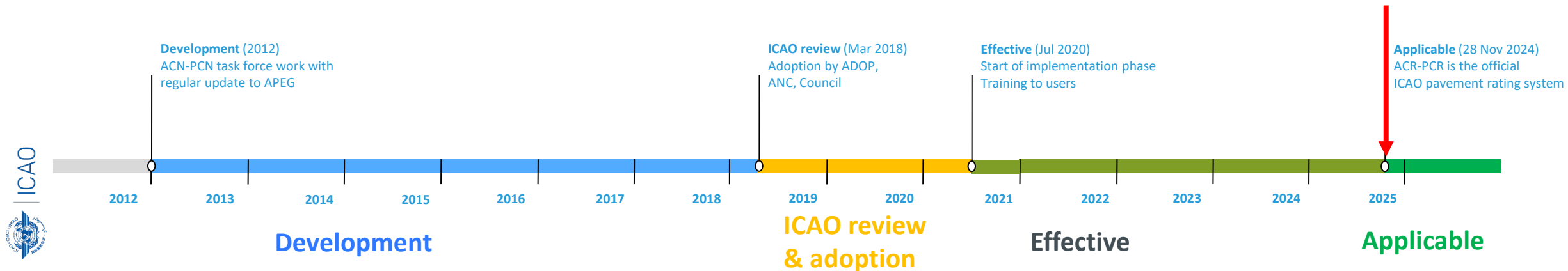
Careful trip planning should always include determining the weight bearing strength of airport pavements.

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



03

ICAO
guidance and
training
initiatives

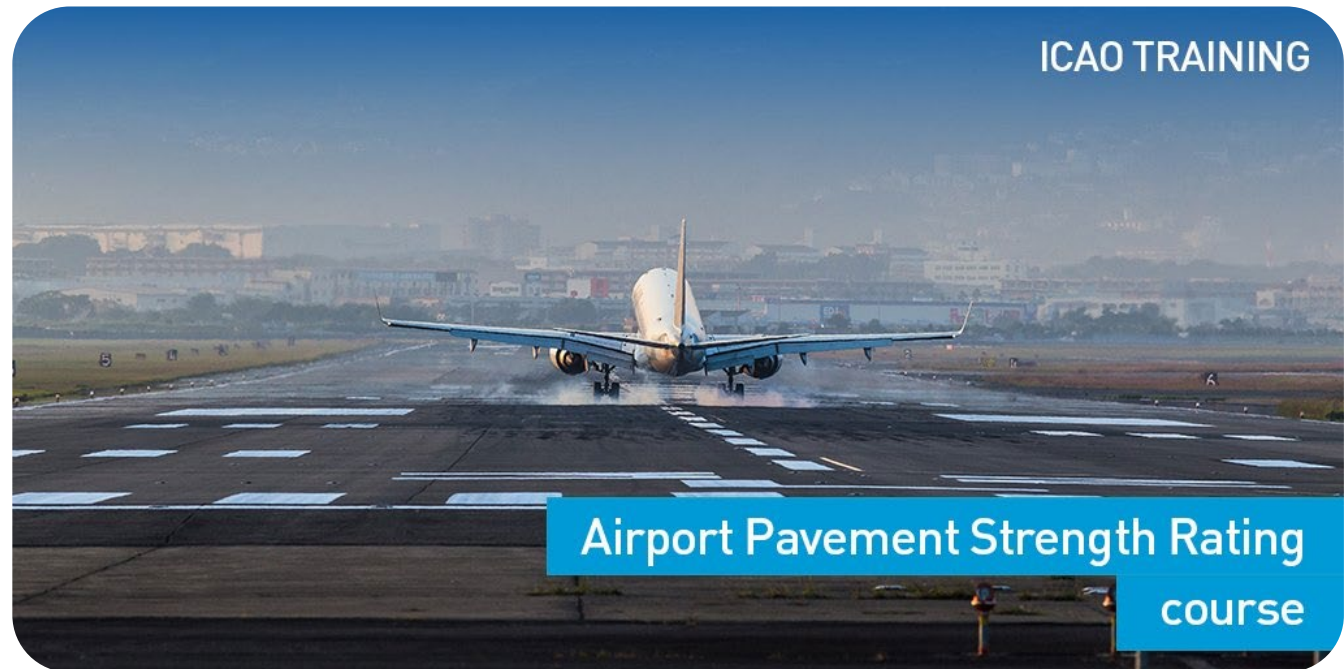
Doc 9157 Part 3 – Pavements

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

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**

05

MID Region ACR-PCR Implementation Milestones

ACTION MILESTONES FOR THE ESTABLISHMENT AND IMPLEMENTATION OF THE NEW ICAO METHODOLOGY PAVEMENTS (ACR-PCR)

[STATE NAME]

[State focal point name: xxxxxxxx]

[State focal point email address: xxxxxxxx]



Milestones	ACTION	RESPONSIBLE ENTITY	TARGET DATE ¹	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		

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)

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Appendix A : Action Milestones on ACR-PCR Implementation

05 MID Region ACR-PCR Implementation Milestones

State	ICAO Region	Aerodrome Location name	Location Indicator [ICAO code]	ACR-PCR Implemented	Date of Implementation [DD]
QATAR	MID	HAMAD INTERNATIONAL	OTHH		
QATAR	MID	DOHA INTERNATIONAL	OTBD		

Appendix B : Aerodromes ACR-PCR Deployment Plan

05

MID Region
ACR-PCR
Implementation
Challenges and
Milestones



**MID Region ACR-PCR Implementation
Milestones at Appendix A**

06

Action by the meeting

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

DRAFT CONCLUSION 7/5: ACR-PCR IMPLEMENTATION MONITORING ACROSS THE MID REGION

*That, recognizing the importance of monitoring the harmonized implementation of the ACR-PCR Methodology, and considering the guidance outlined in **Appendix A**, States are urged to report to the ICAO MID Regional Office, **by Q3 of the current Year**, on the status of implementation of their Aerodromes ACR-PCR Methodology Deployment Plans, utilizing the standardized reporting template provided in **Appendix B***



Thank You!

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: xxxxxxxxx]

[State focal point email address: xxxxxxxxx]

Milestones	ACTION	RESPONSIBLE ENTITY	TARGET DATE ¹	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		

¹ Target dates are indicative only and should be replaced by realistic dates by each State

Milestones	ACTION	RESPONSIBLE ENTITY	TARGET DATE ¹	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 ²).	CAA, AO		
PCR 10	Provide the means and resources (human, financial and material) necessary to determine the PCR(s) at the aerodrome ³ .	AO		
PCR 11	Deadline to send information to the aeronautical information services for the preparation of the publications [<i>to be defined according to the State AIS regulations in coordination with the CAA 's ANS</i>]	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.

² Those aerodromes that have a comprehensive evaluation of pavements older than 5 years (or at the discretion of the CAA).

³ It is considered convenient for the determination of a long-term PCR, to carry it out through the Technical Method.

State Region	State	Responsible Location Name	Location Indicator (ICAO code)	AS ACB PCB implemented	AS ACB PCB Implementation Date (DD/MM/YYYY)	Start CAH AS ACB PCB Employment Check (DD/MM/YYYY)	AS Planning ASB PCB Employment Date (Y/N)	AS ACB PCB Estimated Employment Date (DD/MM/YYYY)	AS ACB PCB Effective Employment Date (DD/MM/YYYY)
MS	USA	Washington State Dept.	OTSD						
MS	USA	22000 4010000 100000	OTSD						