



# Your Partner for Airfield Pavements



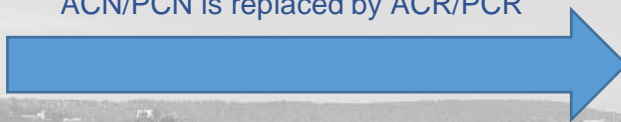
Newsflash: Conversion of AIP reporting from PCN to PCR

## ICAO/EASA:

Beginning November 28, 2024, the pavement bearing strength of an aircraft operating area must be reported in the AIP based on a PCR value



ACN/PCN is replaced by ACR/PCR



Implementation according to  
ICAO Aerodrome Design Manual  
Part 3 - 3rd Edition 2022



# THE IMPLEMENTATION RAISES QUESTIONS

Why is there even a new reporting method for the bearing capacity of the airfield pavement ?

What are the benefits of the new PCR value ?

How to calculate the new PCR value ?

Can I simply convert the previous PCN value to a PCR value?

Can I report the PCN value for existing pavement  
and only report the PCR value for new plots ?

# WHY A NEW REPORTING METHOD ?

## WHAT ARE THE BENEFITS ?

The new ACR-PCR method is based on LEA "Layered Elastic Analysis".

▶ LEA was already provided for in the ICAO ADM Part 3 of 1983 → currently 3<sup>rd</sup> Edition 2022

Today's IT technologies enable the consistent application of Layered Elastic Analysis

- ▶ FAA software COMFAA runs out of service
- ▶ ACR/PCR is already implemented in FAARFIELD

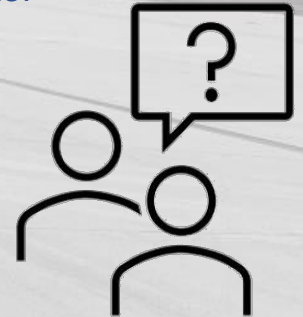
ACR-PCR method is linked with the pavement design

- ▶ calculation is more detailed
- ▶ more sustainable development possible due to material optimization

# OUR OFFER FOR YOU

With our many years of experience, we offer competent support in the implementation of the new requirement:

- ▶ Advice on possible procedures for the redetermination of PCR values to be published
  - ▶ Recalculation of the airfield pavement areas
  - ▶ Accompaniment of the coordination between authority and airfield operator
    - ▶ Assistance with necessary procedures for re-determination, e.g. measurements by third parties
    - ▶ Support / consulting for traffic forecast



We provide answers



# CONTACT US :

Mr. Günther Dziddek

Tel: +49 711 351452 31

Mail: [guenther.dziddek@airport-consult.com](mailto:guenther.dziddek@airport-consult.com)

[WWW.AIRPORT-CONSULT.COM](http://WWW.AIRPORT-CONSULT.COM)

