VAISALA

Product Spotlight

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Vaisala Mobile GRF/TALPA Reporter

Providing immediate, reliable reporting on runway conditions, with ICAO GRF compliance

The ICAO's new Global Reporting Format (GRF) requirements and guidelines enhance safety — and add new compliance responsibilities for airport operators. Vaisala Mobile GRF/TALPA Reporter is built on powerful Vaisala Mobile Detector MD30 and RoadAI technologies, providing efficient, ICAO-compliant GRF-format runway condition reporting that pilots and airport personnel can trust under all conditions.

Easy to install on any vehicle, the system relies on a proven mobile sensor and a user-friendly smartphone application to produce outstanding runway condition data and assessment to support decision making. Airports gain operational safety and efficiency with an affordable and reliable solution that minimizes impacts to aviation traffic flow.

Key Benefits

Improves airport capacity and efficiency

Vaisala Mobile GRF/TALPA Reporter minimizes the amount of time inspectors must spend on runways, improving airport capacity and helping to maintain normal operations.

Uses the most efficient surface assessment methodology

The tool uses real-time measurements of runway contaminant types and layer depths, augmented by video recording, which puts data to better use and improves assessments. The Mobile Reporter's outputs are better aligned with GRF reporting standards than those provided by friction measurement devices previously used for this purpose.

Brings objectivity and efficiency to reporting

The technology enables different inspectors to assess and report on runway conditions consistently. It also frees human inspectors to concentrate on other condition factors, such as foreign object damage risks, accelerating the normal GRF workflow.

Vaisala Mobile GRF/TALPA Reporter at a glance

Applications

- Runway condition assessment and reporting using a vehicle-mounted Mobile Detector MD30, augmented by video recording
- Long-term runway condition analysis and defect inventory to support quality assurance and provide traceability

Conditions reported

Directly measured by sensor:

- Dry
- Frost
- Ice
- Slush
- Wet

The remaining GRF-specific runway conditions are either inferred by the software or can be edited by the inspector as an outcome of the assessment, depending on the condition.

Key features

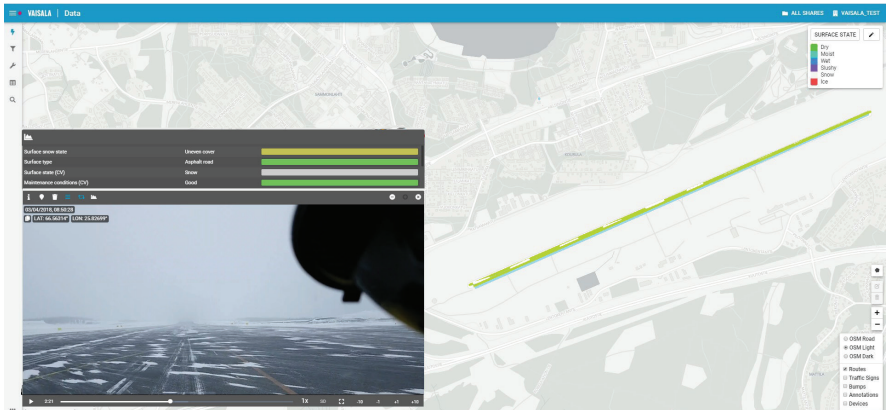
Trusted optical measurement technology, which performs up to 40 measurements per second and is among the most accurate, robust, and affordable mobile surface state detectors on the market

RoadAI data services that augment assessment and deliver video and sensor data in the required formats to decision-makers

Powerful, easy-to-use app optimized for runway condition assessment and reporting. Can be used on-network or offline during active measurement.

Automated recording of video and sensor data that ensures traceability, validation, and verification of runway assessments. Also allows the data to be adapted for training uses.

Compliant to ICAO standards and recommendations related to GRF, as well as FAA TALPA/ARC regulations



RoadAI makes it easy to collect, view, and leverage runway condition data on a map.

Why Vaisala?

The industry's most trusted aviation weather solution provider

Vaisala aviation weather solutions lead the industry because of their precision and dependability under the harshest conditions. They are built on 45 years of aviation experience and trusted in more than 160 countries, from Nordics to Africa and from the Americas to Asia.

Support to count on

Look to Vaisala for dependable support, project capabilities, and training so you can get the most from your system. With decades of experience providing the best technologies and the finest support, Vaisala's philosophy of partnership is unmatched in the industry.

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