



Weather Service

Tabular and advanced weather information

Overview

Adverse weather conditions can make driving much more dangerous. In fact, authorities suggest that rain, snow and ice are among the leading causes of car accidents globally. If drivers are informed about the weather, they can plan accordingly to either travel at a different time or drive more cautiously. TomTom provides tabular and advanced Weather Services to alert drivers about the weather.

Tabular weather includes daily and hourly forecasted weather summaries, with weather descriptions, high and

low temperatures, wind speed and direction, precipitation amount and probability, thunderstorm probability, and more. Advanced weather displays areas under severe weather risk and delivers real-time weather polygons, allowing users to easily visualize the geospatial range of weather events. The advanced weather also provides severe-weather warnings which inform users about sleet, fog, snowfall, heavy rain, slippery conditions, and more.

Features

Global coverage; tabular weather available in more than 140 countries and advanced in more than 20 countries

Weather information is sourced from leading provider of digital weather data and uses the most suitable numerical weather prediction model for any given region

Daily predictions provide long term forecasts for up to 13 days in the future and hourly predictions provide forecasts for up to 23 hours in the future

Advanced weather delivers precipitation radar and severe weather warning updates

Benefits

Assures users have access to weather information wherever they are

Delivers highly reliable weather information and forecasts

Enables users to pre-plan for hours, days, and weeks ahead

Ensures users receive the most up-to-date information and alerts



End-user benefits

TomTom Weather Services benefit drivers most directly, allowing them to:

- Understand weather conditions for the coming days and weeks at the starting and ending points of their routes
- Avoid driving during severe and potentially dangerous weather

Product formats

TomTom Weather Service is available via hosted (server-to-user) and intermediate (server-to-server) feeds. TomTom hosted feeds use TPEG2-over-HTTP standard using the TPEG-WEA. TomTom intermediate feeds use HTTP-based protocol that retrieves weather information for all covered countries.

Sample applications

Potential use cases for the TomTom **Tabular Weather service** include:

- Inform the driver of the weather conditions at the destination location and/or selected locations
- Display weather information for selected locations with icons that depict the real-time weather conditions
- Use data to determine the impact of weather conditions on travel time, events and incidents
- Use data to analyse probabilities of weather changes in near future (weather predictions)

Potential use cases for the TomTom **Advanced Weather service** include:

- Navigation device companies looking to use the precipitation radar to show weather visuals and allow for easy interaction
- Authorities and businesses that want to stay informed about severe weather warnings from national weather organizations

