Operational flight plans are typically produced several hours prior to departure using wind and temperature data available at the time. Updating the FMS with the most current wind and temperature data throughout the flight allows the FMS to recommend optimal step climbs, top of descent point, and descent trajectory resulting in fuel savings for the operator.

PRE-FLIGHT PLANNING

-4 HRS

Flight plan is created with currently available weather forecast and planned takeoff weight

Airline AOC sends flight plan to Honeywell Global Data Center (GDC)

-30 MINS

PRE-DEPARTURE

- Crew receives final flight manifest and enters actual takeoff weight into FMS
- Crew requests flight plan uplink from Honeywell GDC
- Crew requests updated wind/temperatures from Honeywell GDC

Honeywell's FMS Datalink Service allows the flight crew to quickly and efficiently uplink the flight plan and latest wind and temperature information to the FMS via datalink. The service saves time over manual entry, reduces the risk of data entry errors, and assures the FMS has the most up to date information to ensure optimized flight level recommendations

ENROUTE

During the cruise phase of flight, Honeywell's FMS Datalink Service continuously monitors for updated weather information and notifies the crew if it is available. As the largest OEM of air transport flight management systems the world, Honeywell has the expertise to assure the right data is provided to the FMS to assure optimal performance

- Crews notified when updated wind/ temperature data is available
- Crews can request updated wind/ temperature data at anytime
- If a rerouting occurs crews can request updated wind/temperature information for updated flight plan
- Step climbs re-calculated using ATOW and latest wind/ temp data results in optimized recommendations to flight crew

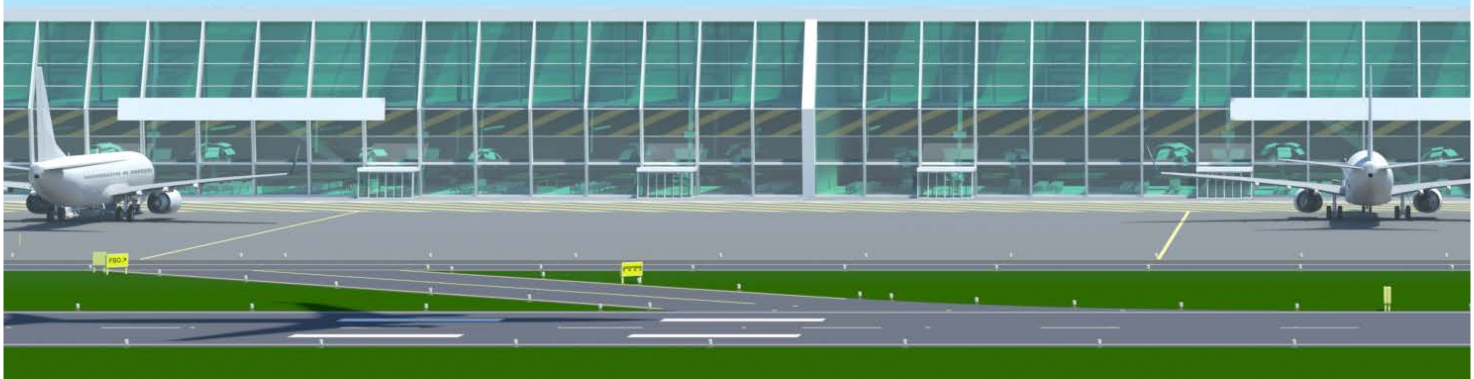
Flight crews can request updated wind and temperature information at anytime if a re-routing occurs. This assures the FMS has the most up to date information available to re-plan recommended flight levels even if the flight plan changes after departure

LANDING

-60 MINS

- Wind/Temperature data can be automatically uplinked 60 minutes prior to arrival
- Loads most up to date wind data for descent winds and calculation of descent trajectory

Automatically uplinking winds prior to arrival assures an optimum descent profile and allows the flight crew to focus on other tasks during this critical phase of flight in preparation for arrival



Honeywell's FMS Datalink Service provides the information the FMS needs to perform as efficiently as possible, allowing operators to realize fuel savings using the FMS presently in use on air transport aircraft.

Honeywell