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.

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.

Flight crews can request updated wind and temperature information at anytime if a rerouting 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.

- 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
- Step climbs re-calculated using ATOW and latest wind/temp data results in optimized recommendations to flight crew
- 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.