

SPECIs are to be issued under the following weather conditions: -

- When a deterioration of one weather element is accompanied by an improvement in another element, a single selected special report shall be issued; it shall then be treated as a deterioration report.
- A SPECI representing a deterioration of one weather element and an improvement in another element should be disseminated **immediately** after the observation.
- A SPECI representing deterioration in conditions should be disseminated **immediately** after the observation.
- A SPECI representing an improvement in conditions should be disseminated, if necessary, to indicate the conditions prevailing **at the end of that 10-minute period**.

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Over and above those specified below, any other criteria based on local aerodrome operating minima as agreed between the meteorological authority and the operators

WIND SPEED AND DIRECTION

With this element there is one relating to wind direction and two for wind speed.

- The wind direction criteria is for a change in the wind direction of 60° or more BUT the wind speed need to have been at or above a certain wind speed.
- Wind speed criteria is when the speed increases by a specified amount.
- Wind speed criteria relating to the occurrence of gusts (i.e. gust must be 10 knots or more from the average wind speed) BUT the average wind speed needs to be at or above a certain wind speed.

Wind speed and direction

- (a) When the mean surface wind direction has changed by $\geq 60^\circ$ from that given in the latest report, **WITH** the mean wind speed before and/or after the change being ≥ 10 knots.
- (b) When the mean surface wind speed has changed by ≥ 10 knots from that given in the latest report .
- (c) Variation from the mean surface wind speed (i.e. the gusts) increases by ≥ 10 knots **WITH** the mean wind speed before and or after the change being ≥ 15 knots.

TEMPERATURE

Temperature is ONLY reported for increases in temperature, and NOT for any decrease. It is issued as it occurs and **not** from one routine report to another.

Temperature

When an increase in air temperature of ≥ 2 °C occurs from that given in the latest report.

CLOUD HEIGHT AND CLOUD AMOUNT

Cloud cover has two elements, namely cloud height and cloud amount, but it is better to see the SPECI criteria as two components.

Cloud height (or cloud base)

When the height of base of the lowest cloud layer of BKN or OVC extent

- is **lowering** (a deterioration) and
- **passes through**
- 100, 200, 500 or 1 000 feet and
- 1 500 feet, where significant numbers of flights are operated in accordance with VFR

- is **lifting** (an improvement) and
- **changes to or passes through**
- 100, 200, 500 or 1 000 feet and
- 1 500 feet, where significant numbers of flights are operated in accordance with VFR.

Cloud amount

When the amount of cloud below 1 500 ft changes from:

- Less than FEW, FEW or SCTto..... BKN or OVC
or
- BKN or OVC to..... SCT, FEW or less than FEW

VERTICAL VISIBILITY

In the METAR and SPECI formats vertical visibility (VV_hh_s replaces N_sN_sN_sh_sh_s and NSC whenever the sky is obscured by anything other than clouds and precipitation

Vertical visibility

Where the sky is obscured and the vertical visibility changes to or passes:

- 100, 200, 500 or 1 000 ft

HORIZONTAL VISIBILITY

Two sets of criteria are set for this element and both have different criteria. IF NO Runway Visual Range (RVR) has been installed on the runway then the RVR criteria are not applied

Horizontal Visibility

When the **horizontal visibility**:

- is **deteriorating** and **passes through one or more of the following**:
 - 800, 1 500 or 3 000 m and
 - 5000 m, where significant numbers of flights are operated in accordance with VFR

- is **improving** and **changes to or passes through one or more of the following**:
 - 800, 1 500 or 3 000 m and
 - 5000 m, where significant numbers of flights are operated in accordance with VFR.

When the **Runway Visual Range (RVR)**:

- is **deteriorating** and **passes through one or more of the following**:
 - 50, 175, 300, 550 or 800m

- is **improving** and **changes to or passes through one or more of the following**:
 - 50, 175, 300, 550 or 800m

PRESENT WEATHER

Weather

When the onset, cessation or change in intensity of any the following weather phenomena occurs:

- Freezing precipitation
- Mod or heavy precipitation (including showers thereof)
- TS (with precipitation)
- DS or SS
- FC (tornado or waterspout)

When the onset or cessation of any the following weather phenomena occurs:

- FZFG
- TS (without precipitation)
- DRDU/SA/SN
- BLDU/SA/SN
- SQ