

AERODROME WEATHER REPORT — METAR AND SPECI DECODE

IDENTIFICATION GROUPS		SURFACE WIND		VISIBILITY		RUNWAY VISUAL RANGE (RVR) WHERE REQUIRED, UP TO FOUR ACTIVE RUNWAYS		PRESENT WEATHER		CLOUDS*		CAVOK		TEMP AND DEW POINT		PRESSURE		RECENT WEATHER		SUPPLEMENTARY INFORMATION		CHANGE INDICATORS AND TIME		FORECAST WIND		FORECAST VISIBILITY		FORECAST WEATHER		FORECAST CLOUDS OF OPERATIONAL SIGNIFICANCE OR VERTICAL VISIBILITY		RMK			
																																		TRENDS	
METAR or SPECI	CCCC	ddiffGf ₁₀ m, kt or mps	TTTT	TTTT	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	
(AUTO)	YYGGZZ	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	000000 = calm	



WORLD METEOROLOGICAL ORGANIZATION

W'W' — SIGNIFICANT PRESENT, FORECAST AND RECENT WEATHER


QUALIFIER	WEATHER PHENOMENA	OTHER
1 Intensity or Proximity	2 Descriptor	3 Precipitation
4 Obscuration	5 Other	

- NOTES:**
- The w'w' groups are constructed by considering columns 1 to 5 in the table above in sequence, that is intensity, followed by descriptor, followed by weather phenomena. An example could be: **-SHRA** (heavy showers) of rain.
 - A precipitation combination has dominant type first.
 - DR (low drifting) less than two metres above ground, BL (blowing) two metres or more above ground.
 - BR used when hailstone diameter 5 mm or more. When less than 5 mm, GS used.
 - GR — visibility at least 1 000 m but not more than 5 000 m, FG — visibility less than 1 000 m.
 - VC — within 8 km of the aerodrome perimeter, but not at the aerodrome.

* Clouds of operational significance i.e. below 1 500 m (5 000 ft) or below the highest minimum sector altitude, whichever is greater, and CB and TCU
 ** State of the runway to be provided by appropriate airport authority

Abbreviated decode of METAR and SPECI
 For details of codes see
WMO Manual on Codes,
 WMO Publication No. 306

AERODROME FORECAST — TAF DECODE

BY REGIONAL AGREEMENT		FORECAST TEMPERATURE		Z Indicator of UTC	
		(TX)T _F T _F /G _F G _F Z TN _F T _F /G _F G _F Z		G _F G _F Time UTC to which forecast temperature refers	
SIGNIFICANT CHANGES IN FORECAST CONDITIONS INDICATED BY:		TIME	CHANGE	TIME	Beginning GG and end G _e G _e of forecast period in hours UTC
		PROB _{CC} C ₂	TTTT	GGG _e G _e	
PROB _{CC} C ₂		Only 30 or 40 used, indicating 30% or 40%		Type of significant change: BECMG - BE CoMin G , used where changes are expected to reach or pass through specified values at a regular or irregular rate TEMPO - TEMPO rary fluctuations of less than one hour and in aggregate less than half the period indicated by GGG _e G _e	
				Probability is used to indicate the probability of occurrence of: a) an alternative element or elements b) temporary fluctuations	
CAVOK		Ceiling And Visibility OK . Replaces visibility, weather and cloud if: 1) Visibility is forecast to be 10 km or more 2) No Cumulonimbus cloud and no other cloud forecast below 1 500 m (5 000 ft) or below the highest minimum sector altitude whichever is greater, and 3) No significant weather forecast (see Table overleaf)		OR	
FORECAST CLOUD AMOUNT AND HEIGHT*		N _s N _i N _h h _s h _s h _s (cc) Cloud type — only CB (Cumulonimbus) is indicated Height of base of cloud in units of 30 m (100 ft)		Replaced when sky is expected to be obscured and information on vertical visibility is available by: W h _s h _s h _s	
FORECAST SIGNIFICANT WEATHER		w'w' Forecast significant weather (see table w'w' for METAR/SPECI decode)		Replaced when significant weather phenomenon forecast to end by: NSW Nil Significant Weather	
FORECAST VISIBILITY		VVVV Prevailing visibility in metres 9999 = 10 km or more		Replaced when clear sky is forecast by: SKC Sky Clear	
FORECAST SURFACE WIND		dddfffG _f m Wind speed units used Maximum wind speed (gust) Indicator of Gust Mean wind speed Mean wind direction in degrees true rounded to nearest ten degrees (VRB = VARIABLE)		00000 = calm P199 KMH (P99 KT, P49 MPS) mean f _m m = 200 KMH (100 KT, 50 MPS) or more	
IDENTIFICATION GROUPS		YYGGggZ Y ₁ Y ₁ day of month, period of validity beginning G ₁ G ₁ and ending G ₂ G ₂ in hours UTC			
		Indicator of UTC			
		Date and time of origin of forecast in UTC			
		ICAO four-letter location indicator			
TAF		TAF - Aerodrome Forecast code name TAF - AMD - Amended Aerodrome Forecast		Abbreviated decode of TAF For details of codes see WMO Manual on Codes , WMO Publication No. 306	

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* Clouds of operational significance (i.e. below 1 500 m (5 000 ft) or below highest minimum sector altitude, whichever is greater, and CB or TCU)



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