

Table A5-1. Template for TAF

Key: M = inclusion mandatory, part of every message;
 C = inclusion conditional, dependent on meteorological conditions or method of observation;
 O = inclusion optional.

Note 1.— The ranges and resolutions for the numerical elements included in TAF are shown in Table A5-3 of this appendix.

Note 2.— The explanations for the abbreviations can be found in the Procedures for Air Navigation Services — ICAO Abbreviations and Codes (PANS-ABC, Doc 8400).

Element as specified in Chapter 6	Detailed content	Template(s)	Examples		
Identification of the type of forecast (M)	Type of forecast (M)	TAF or TAF AMD or TAF COR	TAF TAF AMD		
Location indicator (M)	ICAO location indicator (M)	nnnn	YUDO ¹		
Time of issue of forecast (M)	Day and time of issue of the forecast in UTC (M)	nnnnnZ	160000Z		
Identification of a missing forecast (C)	Missing forecast identifier (C)	NIL	NIL		
END OF TAF IF THE FORECAST IS MISSING.					
Days and period of validity of forecast (M)	Days and period of the validity of the forecast in UTC (M)	nnnn/nnnn	1606/1624 0812/0918		
Identification of a cancelled forecast (C)	Cancelled forecast identifier (C)	CNL	CNL		
END OF TAF IF THE FORECAST IS CANCELLED.					
Surface wind (M)	Wind direction (M)	nnn or VRB ²	24015KMH; VRB04KMH (24008KT); (VRB02KT) 19022KMH (19011KT)		
	Wind speed (M)	[P]nn[n]	00000KMH (00000KT) 140P199KMH (140P99KT)		
	Significant speed variations (C) ³	G[P]nn[n]	12012G35KMH (12006G18KT)		
	Units of measurement (M)	KMH (or KT)	24032G54KMH (24016G27KT)		
Visibility (M)	Prevailing visibility (M)	nnnn	C A V O K	0350	CAVOK
				7000 9000 9999	
Weather (C) ^{4,5}	Intensity of weather phenomena (C) ⁶	– or +	—	RA +TSRA –FZDZ PRFG +TSRASN SNRA FG	HZ FG
	Characteristics and type of weather phenomena (C) ⁷	DZ or RA or SN or SG or PL or DS or SS or FZDZ or FZRA or SHGR or	IC or FG or BR or SA or DU or HZ or FU or VA or SQ or PO or FC or TS or BCFG or		

Element as specified in Chapter 6	Detailed content	Template(s)			Examples
		SHGS <i>or</i> SHRA <i>or</i> SHSN <i>or</i> TSGR <i>or</i> TSGS <i>or</i> TSRA <i>or</i> TSSN	BLDU <i>or</i> BLSA <i>or</i> BLSN <i>or</i> DRDU <i>or</i> DRSA <i>or</i> DRSN <i>or</i> FZFG <i>or</i> MIFG <i>or</i> PRFG		
Cloud (M) ⁸	Cloud amount and height of base or vertical visibility (M)	FEWnnn <i>or</i> SCTnnn <i>or</i> BKNnnn <i>or</i> OVCnnn	VVnnn <i>or</i> VVlll	NSC	FEW010 VV005 OVC020 VVlll NSC SCT005 BKN012
	Cloud type (C) ⁴	CB	—		SCT008 BKN025CB
Temperature (O) ⁹	Name of the element (M)	TX			TX25/1013Z TN09/1005Z
	Maximum temperature (M)	[M]nn/			TX05/2112Z TNM02/2103Z
	Day and time of occurrence of the maximum temperature (M)	nnnnZ			
	Name of the element (M)	TN			
	Minimum temperature (M)	[M]nn/			
	Day and time of occurrence of the minimum temperature (M)	nnnnZ			
Expected significant changes to one or more of the above elements during the period of validity (C) ^{4, 10}	Change or probability indicator (M)	PROB30 [TEMPO] <i>or</i> PROB40 [TEMPO] <i>or</i> BECMG <i>or</i> TEMPO <i>or</i> FM			
	Period of occurrence or change (M)	nnnn/nnnn			
	Wind (C) ⁴	nnn[P]nn[n][G[P]nn[n]]KMH <i>or</i> VRBnnKMH (<i>or</i> nnn[P]nn[G[P]nn]KT <i>or</i> VRBnnKT)			TEMPO 0815/0818 25070G100KMH (TEMPO 0815/0818 25035G50KT) TEMPO 2212/2214 17025G50KMH 1000 TSRA SCT010CB BKN020 (TEMPO 2212/2214 17012G25KT 1000 TSRA SCT010CB BKN020)
	Prevailing visibility (C) ⁴	nnnn			C A V O K BECMG 3010/3011 00000KMH 2400 OVC010 (BECMG 3010/3011 00000KT 2400 OVC010) PROB30 1412/1414 0800 FG
	Weather phenomenon: intensity (C) ⁶	– or +	—	NSW	BECMG 1412/1414 RA TEMPO 2503/2504 FZRA TEMPO 0612/0615 BLSN
	Weather phenomenon: characteristics and type (C) ^{4, 7}	DZ <i>or</i> RA <i>or</i> SN <i>or</i> SG <i>or</i> PL <i>or</i> DS <i>or</i> SS <i>or</i> FZDZ <i>or</i> FZRA <i>or</i> SHGR <i>or</i> SHGS <i>or</i>	IC <i>or</i> FG <i>or</i> BR <i>or</i> SA <i>or</i> DU <i>or</i> HZ <i>or</i> FU <i>or</i> VA <i>or</i> SQ <i>or</i> PO <i>or</i> FC <i>or</i> TS <i>or</i> BCFG <i>or</i> BLDU <i>or</i>		PROB40 TEMPO 2923/3001 0500 FG

Element as specified in Chapter 6	Detailed content	Template(s)			Examples	
		SHRA <i>or</i> SHSN <i>or</i> TSGR <i>or</i> TSGS <i>or</i> TSRA <i>or</i> TSSN	BLSA <i>or</i> BLSN <i>or</i> DRDU <i>or</i> DRSA <i>or</i> DRSN <i>or</i> FZFG <i>or</i> MIFG <i>or</i> PRFG			
	Cloud amount and height of base or vertical visibility (C) ⁴	FEWnnn <i>or</i> SCTnnn <i>or</i> BKNnnn <i>or</i> OVCnnn	VVnnn <i>or</i> VV///	NSC		FM051230 15015KMH 9999 BKN020 (FM051230 15008KT 9999 BKN020)
	Cloud type (C) ⁴	CB	—			BECMG 1618/1620 8000 NSW NSC BECMG 2306/2308 SCT015CB BKN020

Notes.—

1. Fictitious location.
2. To be used in accordance with 1.2.1.
3. To be included in accordance with 1.2.1.
4. To be included whenever applicable.
5. One or more, up to a maximum of three, groups in accordance with 1.2.3.
6. To be included whenever applicable in accordance with 1.2.3. No qualifier for *moderate* intensity.
7. Weather phenomena to be included in accordance with 1.2.3.
8. Up to four cloud layers in accordance with 1.2.4.
9. To be included in accordance with 1.2.5.
10. To be included in accordance with 1.3, 1.4 and 1.5.

Table A5-2. Use of change and time indicators in TAF

Change or time indicator		Time period	Meaning	
FM		$n_d n_d n_h n_h n_m n_m$	used to indicate a significant change in most weather elements occurring at $n_d n_d$ day, $n_h n_h$ hours and $n_m n_m$ minutes (UTC); all the elements given before "FM" are to be included following "FM" (i.e. they are all superseded by those following the abbreviation)	
BECMG		$n_{d1} n_{d1} n_{h1} n_{h1} / n_{d2} n_{d2} n_{h2} n_{h2}$	the change is forecast to commence at $n_{d1} n_{d1}$ day and $n_{h1} n_{h1}$ hours (UTC) and be completed by $n_{d2} n_{d2}$ day and $n_{h2} n_{h2}$ hours (UTC); only those elements for which a change is forecast are to be given following "BECMG"; the time period $n_{d1} n_{d1} n_{h1} n_{h1} / n_{d2} n_{d2} n_{h2} n_{h2}$ should normally be less than 2 hours and in any case should not exceed 4 hours	
TEMPO		$n_{d1} n_{d1} n_{h1} n_{h1} / n_{d2} n_{d2} n_{h2} n_{h2}$	temporary fluctuations are forecast to commence at $n_{d1} n_{d1}$ day and $n_{h1} n_{h1}$ hours (UTC) and cease by $n_{d2} n_{d2}$ day and $n_{h2} n_{h2}$ hours (UTC); only those elements for which fluctuations are forecast are to be given following "TEMPO"; temporary fluctuations should not last more than one hour in each instance, and in the aggregate, cover less than half of the period $n_{d1} n_{d1} n_{h1} n_{h1} / n_{d2} n_{d2} n_{h2} n_{h2}$	
PROBnn	—	$n_{d1} n_{d1} n_{h1} n_{h1} / n_{d2} n_{d2} n_{h2} n_{h2}$	probability of occurrence (in %) of an alternative value of a forecast element or elements; nn = 30 or nn = 40 only; to be placed after the element(s) concerned	—
	TEMPO	$n_{d1} n_{d1} n_{h1} n_{h1} / n_{d2} n_{d2} n_{h2} n_{h2}$		probability of occurrence of temporary fluctuations

Table A5-3. Ranges and resolutions for the numerical elements included in TAF

Element as specified in Chapter 6		Range	Resolution
Wind direction:	° true	000 – 360	10
Wind speed:	KMH	00 – 399*	1
	KT	00 – 199*	1
Visibility:	M	0000 – 0800	50
	M	0800 – 5 000	100
	M	5 000 – 9 000	1 000
	M	9 000 – 9 999	999
Vertical visibility:	30's M (100's FT)	000 – 020	1
Cloud: height of cloud base:	30's M (100's FT)	000 – 100	1
Air temperature (maximum and minimum):	°C	-80 – +60	1
* There is no aeronautical requirement to report surface wind speeds of 200 km/h (100 kt) or more; however, provision has been made for reporting wind speeds up to 399 km/h (199 kt) for non-aeronautical purposes, as necessary.			