GEN 2.2 ABBREVIATIONS USED IN AIS PUBLICATIONS

AMHS

AMS

AMSL

BASE

cloud base

ATS message handling system

aeronautical mobile service

above mean sea level

Abbreviations marked yellow in HTML (printed in italics in PDF) are either different from or not contained in ICAO Doc 8400.

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Α	
A	amber
A	FRA arrival connecting point
AA	approved agency
AAA	(or AAB, AAC etc., in sequence) amended meteorological message (message type designator)
A/A	air-to-air
AAD	assigned altitude deviation
AAIM	aircraft autonomous integrity monitoring
AAL	above aerodrome level
AAR	air to air refuelling
ABI	advance boundary information
ABM	abeam
ABN	aerodrome beacon
ABT ABV	about above
AC	altocumulus
ACARS	aircraft communication addressing and reporting system
	(to be pronounced "AY-CARS")
ACAS	airborne collision avoidance system (to be pronounced "AY-CAS")
ACC	area control centre or area control
ACCID	notification of an aircraft accident
ACFT	aircraft
ACK	acknowledge
ACL	altimeter check location
ACL	ATC clearances and instructions
ACM	ATC communications management
ACN	aircraft classification number
ACP	acceptance (message type designator)
ACPT ACT	accept or accepted active or activated or activity
AD	aerodrome
ADA	advisory area
ADC	aerodrome chart
ADDN	addition or additional
ADF	automatic direction finding equipment
ADIZ	air defence identification zone (to be pronounced "AY-DIZ")
ADJ	adjacent
ADO	aerodrome office (specify service)
ADR ADS	advisory route the address (when this abbreviation is used to request a
7100	repetition, the question mark (IMI) precedes the abbreviation,
	e.g. IMI ADS) (to be used in AFS as a procedure signal)
ADS-B	automatic dependent surveillance - broadcast
ADS-C	automatic dependent surveillance - contract
ADSU	automatic dependent surveillance unit
ADVS	advisory service
ADZ AES	advise aircraft earth station
AFIL	flight plan filed in the air
AFIS	aerodrome flight information service
AFISO	AFIS operator
AFIZ	aerodrome flight information zone
AFM	yes or affirm or affirmative or that is correct
AFS	aeronautical fixed service
AFT	after (followed by time or place)
AFTN	aeronautical fixed telecommunication network
A/G AGA	air-to-ground aerodromes, air routes and ground aids
AGL	above ground level
AGN	again
AIC	aeronautical information circular
AIDC	air traffic services interfacility data communication
AIM	aeronautical information management
AIP	aeronautical information publication
AIRAC AIREP	aeronautical information regulation and control air report
AIRMET	information concerning en-route weather phenomena which
/ III CIVIL I	may affect the safety of low-level aircraft operations
AIS	aeronautical information services
ALA	alighting area
ALERFA	alert phase
ALR	alerting (message type designator)
ALRS	alerting service
ALS	approach lighting system
ALT ALTN	altitude alternate or alternating (light alternates in colour)
ALTN	alternate of alternating (light alternates in colour)
AMA	area minimum altitude
AMC	airspace management cell
AMC	ATC microphone check
AMD	amend or amended (used to indicate amended meteorolo-
	gical message: message type designator)

AMSS aeronautical mobile satellite service aeronautical chart - 1:500 000 (followed by name/title) ANC **ANCS** aeronautical navigation chart - small scale (followed by name/title and scale) ANM ATFM notification message ANS answer ΑO aircraft operator AOC aerodrome obstacle chart (followed by type and name/title) AOCS air operations control station AOMairside operations manager ΑP airport APAPI abbreviated precision approach path indicator (to be pronounced "AY-PAPI") APCH approach APDC aircraft parking/docking chart (followed by name/title) APN APP approach control office or approach control or approach control service APR April APRX approximate or approximately APSG after passing APU auxiliary power unit APV approach procedure with vertical guidance ARC area chart ARINC navigation system database specification (Aeronautical Radio Incorporated) ARNG arrange ARO air traffic services reporting office ARP aerodrome reference point ARP air-report (message type designator) ARQ automatic error correction ARR arrival (message type designator) ARR arrive or arrival ARS special air-report (message type designator) arresting (specify (part of) aircraft arresting equipment) ARST AS altostratus ASAP as soon as possible ASC ascent to or ascending to ASDA accelerate stop distance available ASE altimetry system error ASHTAM special series NOTAM notifying, by means of a specific format, change in activity of a volcano, a volcanic eruption and/or volcanic ash cloud that is of significance to aircraft operations ASM airspace management **ASPH** asphalt ASR altimeter setting region at (followed by time at which weather change is forecast to ΑТ ATA actual time of arrival automatic telephone answering system ATAS ATC air traffic control (in general) ATCSMAC air traffic control surveillance minimum altitude chart (followed by name/title) actual time of departure ATD ATFM air traffic flow management ATIS automatic terminal information service (to be pronounced ATM air traffic management ATN aeronautical telecommunication network ATP at... (followed by time or place) ATS air traffic services ATTN attention AT-VASIS abbreviated T visual approach slope indicator system (to be pronounced "AY-TEE-VASIS") aerodrome traffic zone ATZ AUG August AUP airspace use plan AUTH authorized or authorization AUTO automatic AUW all up weight AUX auxiliary **AVBL** available or availability AVG average AVGAS aviation gasoline AWOS automated weather observation system AWTA advise at what time able AWY airway AZM azimuth В В blue braking action ВА BARO-VNAV barometric vertical navigation (to be pronounced "BAA-RO-VEENAV")

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AMDT

gical message; message type designator)

amendment (AIP amendment)

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BCFG	fog patches	CRM	collision risk model
BCN	beacon (aeronautical ground light)	CRP	compulsory reporting point
BCST	broadcast	CRZ	cruise
BDRY	boundary	CS	call sign
BECMG	becoming	CS	cirrostratus
BFR	before	CTA	control area
BKN	broken	CTAM	climb to and maintain
BL	blowing (followed by DU=dust, SA=sand or SN=snow)	CTC	contact
BLDG	building	CTL	control
BLO	below clouds	CTN	caution
BLW	below	CTOT	calculated take-off time
BOMB	bombing	CTR	control zone
BR	mist	CU	cumulus
BRF	short (used to indicate the type of approach desired or re-	CUF	cumuliform
BRG	quired)	CUST CVR	customs
BRKG	bearing	CW	cockpit voice recorder
BS	braking commercial broadcasting station	CWY	continuous wave clearway
BTL	between layers	CVVI	Clearway
BTN	between	D	
BUFR	binary universal form for the representation of meteorological	D	danger area (followed by identification)
	data	D	downward (tendency in RVR during previous 10 minutes)
		D	FRA departure connecting point
С		DA	decision altitude
С	centre (preceded by runway designation number to identify	D-ATIS	data link automatic terminal information service (to be pro
	a parallel runway)		nounced "DEE-ATIS")
С	degrees Celsius (centigrade)	DCD	double channel duplex
CA	course to an altitude	DCKG	docking
CAA	civil aviation authority or civil aviation administration	DCP	datum crossing point
CADF	centralized airspace data function	DCPC	direct controller-pilot communications
CAT	category	DCS	double channel simplex
CAT	clear air turbulence	DCT	direct (in relation to flight plan clearances and type of ap-
CAVOK	visibility, cloud and present weather better than prescribed		proach)
	values or conditions (to be pronounced "KAV-OH-KAY")	DE	from (used to precede the call sign of the calling station)
CB	cumulonimbus (to be pronounced "CEE BEE")		(to be used in AFS as a procedure signal)
CBA	cross border area	DEC	December
CC	cirrocumulus	DEG	degrees
CCA	(or CCB, CCCetc., in sequence) corrected meteorological	DEP	depart or departure
000	message (message type designator)	DEP	departure (message type designator)
CCO	continuous climb operations	DEPO	deposition
CD	candela	DER	departure end of the runway
CDA	continuous descent approach	DES	descend to or descending to
CDM CDN	collaborative decision making	DEST DETRESFA	destination
CDO	co-ordination (message type designator)	DEV	distress phase
CDR	continuous descent operations conditional route	DEV	deviation or deviating direction finding
CF	change frequency to	DFDR	digital flight data recorder
CF	course to a fix	DFTI	distance from touchdown indicator
CFM	confirm or I confirm (to be used in AFS as a procedure sig-	DH	decision height
OI W	nal)	DIF	diffuse
CGL	circling guidance light(s)	DIST	distance
CH	channel	DIV	divert or diverting
CH	this is a channel-continuity-check of transmission to permit	DLA	delay or delayed
	comparison of your record of channel-sequence numbers	DLA	delay (message type designator)
	of messages received on the channel (to be used in AFS	DLIC	data link initiation capability
	as a procedure signal)	DLY	daily
CHEM	chemical	DME	distance measuring equipment
CHG	modification (message type designator)	DNG	danger or dangerous
CI	cirrus	DOF	date of flight
CIDIN	common ICAO data interchange network	DOM	domestic
CIV	civil	DP	dew point temperature
CK	check	DPT	depth
CL	centre line	DR	dead reckoning
CLA	clear type of ice formation	DR	low drifting (followed by DU=dust, SA=sand or SN=snow)
CLBR	calibration	DRG	during
CLD	cloud	DS	duststorm
CLG	calling	DSB	double sideband
CLIMB-OUT	climb-out area	DTAM	descend to and maintain
CLR	clear(s) or cleared to or clearance	DTG	date-time group
CLRD	runway(s) cleared (used in METAR/SPECI)	DTHR	displaced runway threshold
CLSD	close or closed or closing	DTRT	deteriorate or deteriorating
CMB	centimetre	DTW	dual tandem wheels
CMB CMPL	climb to or climbing to completion or completed or complete	DU DUC	dust dense upper cloud
CNL	cancel or cancelled	DUPE	• •
CNL	flight plan cancellation (message type designator)	DUFE	this is a duplicate message (to be used in AFS as a proced ure signal)
CNS	communications, navigation and surveillance	DUR	duration
COM	communications	D-VOLMET	data link VOLMET
CONC	concrete	D-VOLIVIE I DVOR	Doppler VOR
COND	condition	DVORTAC	Doppler VOR and TACAN
CONS	continuous	DW	dual wheels
		DZ	drizzle
CONST	construction of constructed	_	
CONST	construction or constructed continue(s) or continued		
	continue(s) or continued	E	
CONT			east or eastern longitude
CONT COOR	continue(s) or continued co-ordinate or co-ordination	E	east or eastern longitude FRA horizontal entry point
CONT COOR COORD	continue(s) or continued co-ordinate or co-ordination co-ordinates	E E	FRA horizontal entry point
CONT COOR COORD COP	continue(s) or continued co-ordinate or co-ordination co-ordinates change-over point	E E EASA	FRA horizontal entry point European Aviation Safety Agency
CONT COOR COORD COP	continue(s) or continued co-ordinate or co-ordination co-ordinates change-over point correct or correction or corrected (used to indicate corrected	E E EASA EAT	FRA horizontal entry point European Aviation Safety Agency expected approach time
CONT COOR COORD COP COR	continue(s) or continued co-ordinate or co-ordination co-ordinates change-over point correct or correction or corrected (used to indicate corrected meteorological message; message type designator)	E E EASA	FRA horizontal entry point European Aviation Safety Agency
CONT COOR COORD COP COR	continue(s) or continued co-ordinate or co-ordination co-ordinates change-over point correct or correction or corrected (used to indicate corrected meteorological message; message type designator) at the coast	E E EASA EAT EAUP	FRA horizontal entry point European Aviation Safety Agency expected approach time European airspace use plan eastbound
CONT COOR COORD COP COR	continue(s) or continued co-ordinate or co-ordination co-ordinates change-over point correct or correction or corrected (used to indicate corrected meteorological message; message type designator) at the coast cover or covered or covering	E EASA EAT EAUP EB	FRA horizontal entry point European Aviation Safety Agency expected approach time European airspace use plan

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EEE	error (to be used in AFS as a procedure signal)	FREQ	frequency
EET	estimated elapsed time	FRI	Friday
EFC	expect further clearance	FRNG	firing
EFCT	expected further clearance time	FRONT	front (relating to weather)
EFIS	electronic flight instrument system (to be pronounced "EE-	FROST	frost (used in aerodrome warnings)
	FIS")	FRQ	frequent
EGNOS	European geostationary navigation overlay service (to be	FSC	flight service centre
	pronounced "EGG-NOS")	FSL	full stop landing
EHF	extremely high frequency (30 000 to 300 000 MHz)	FSS	flight service station
ELBA	emergency location beacon - aircraft	FST	first
ELEV	elevation	ft	feet (dimensional unit)
ELR	extra long range	FT	feet (dimensional unit)
ELT	emergency locator transmitter	FTE	flight technical error
EM	emission	FTP	fictitious threshold point
EMBD	embedded in a layer (to indicate cumulonimbus embedded	FTT	flight technical tolerance
	in layers of other clouds)	FU	smoke
EMERG	emergency	FUA	flexible use of airspace
En	English	FZ	freezing
END	stop-end (related to RVR)	FZDZ	freezing drizzle
ENE	east-north-east	FZFG	freezing fog
ENG	engine	FZRA	freezing rain
ENR	en-route	<u> </u>	
ENRC	en-route chart (followed by name/title)	G	
EOBT	estimated off-block time	G	green
EQPT	equipment	G	variations from the mean wind speed (gusts) (followed by
ESE	east-south-east		figures in METAR/SPECI and TAF)
EST	estimate or estimated or estimate (as message type desig-	GA	general aviation
	nator)	GA	go ahead, resume sending (to be used in AFS as a proce
ETA	estimated time of arrival or estimating arrival		ure signal)
ETD	estimated time of departure or estimating departure	G/A	ground-to-air
ETO	estimated time over significant point	G/A/G	ground-to-air and air-to-ground
EUR RODEX	, ,	GAGAN	GPS and geostationary earth orbit augmented navigation
EUUP	European updated airspace use plan	GAIN	airspeed or headwind gain
EV	every	GAMET	area forecast for low-level flights
EVS	enhanced vision system	GARP	GBAS azimuth reference point
EXC	except	GAT	general air traffic
EXER	exercises or exercising or to exercise	GBAS	ground-based augmentation system (to be pronounced
EXP	expect or expected or expecting		"GEE-BAS")
EXTD	extend or extending or extended	GCA	ground controlled approach system or ground controlled
_			approach
F		GEN	general
F	fixed	GEO	geographic or true
FA	course from a fix to an altitude	GES	ground earth station
FAC	facilities	GHz	giga Hertz (= 1000 MHz)
FAF	final approach fix	GLD	glider
FAL	facilitation of international air transport	GLLFC	graphical low-level forecast
FANS	future air navigation system	GLONASS	global orbiting navigation satellite system (to be pronounce
FAP	final approach point		"GLO-NAS")
FAS	final approach segment	GLS	GBAS landing system
FATO	final approach and take-off area	GLV	groep lichte vliegtuigen
FAVA	final approach vectoring area	GMC	ground movement chart (followed by name/title)
FAX	facsimile transmission	GND	ground
FBL	light (used to indicate the intensity of weather phenomena,	GNDCK	ground check
	interference or static reports, e.g. FBL RA=light rain)	GNSS	global navigation satellite system
FBZ	flight planning buffer zone	GOV	government
FC	funnel cloud (tornado or water spout)	GP	glide path
FCST	forecast	GPA	glide path angle
FCT	friction coefficient	GPIP	glide path intercept point
FDPS	flight data processing system	GPS	global positioning system
FEB	February	GPU	ground power unit
FEW	few	GPWS	ground proximity warning system
FG	fog	GR	hail
FIC	flight information centre	GRAS	ground-based regional augmentation system (to be pro-
FIO	flight information office		nounced "GRASS")
FIR	flight information region	GRASS	grass landing area
FIS	flight information service	GRIB	processed meteorological data in the form of grid point va
FISA	automated flight information service		ues expressed in binary form (meteorological code)
FI -:	flashing	GRVL	gravel
FL	flight level	GS	ground speed
FLD	field	GS	small hail and/or snow pellets
FLG	flashing	GUND	geoid undulation
	•		
FLR	flares	L	
FLR FLT	flares flight	Н	
FLR FLT FLTCK	flares flight flight check	Н	high pressure area or the centre of high pressure
FLR FLT FLTCK FLUC	flares flight flight check fluctuating or fluctuation or fluctuated		significant wave height (followed by figures in
FLR FLT FLTCK FLUC FLW	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following	H H	significant wave height (followed by figures in METAR/SPECI)
FLR FLT FLTCK FLUC FLW FLY	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following fly or flying	н н	significant wave height (followed by figures in METAR/SPECI) hourly
FLR FLT FLTCK FLUC FLW FLY	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following fly or flying course from a fix to manual termination (used in navigation	H H <i>h</i>	significant wave height (followed by figures in METAR/SPECI) hourly half-hourly
FLR FLT FLTCK FLUC FLW FLY FM	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following fly or flying course from a fix to manual termination (used in navigation database coding)	H H <i>H</i> h H24	significant wave height (followed by figures in METAR/SPECI) hourly half-hourly continuous day and night service
FLR FLT FLTCK FLUC FLW FLY FM	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following fly or flying course from a fix to manual termination (used in navigation database coding) from	H H h h H24 HA	significant wave height (followed by figures in METAR/SPECI) hourly half-hourly continuous day and night service holding/racetrack to an altitude
FLR FLT FLTCK FLUC FLW FLY FM FM	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following fly or flying course from a fix to manual termination (used in navigation database coding) from from (followed by time weather change is forecast to begin)	H H h h24 HA HAP	significant wave height (followed by figures in METAR/SPECI) hourly half-hourly continuous day and night service holding/racetrack to an altitude heli aiming point
FLR FLT FLTCK FLUC FLW FLY FM FM FM FM	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following fly or flying course from a fix to manual termination (used in navigation database coding) from from (followed by time weather change is forecast to begin) flight management computer	H H <i>H</i> h24 HA <i>HAP</i> HAPI	significant wave height (followed by figures in METAR/SPECI) hourly half-hourly continuous day and night service holding/racetrack to an altitude heli aiming point helicopter approach path indicator
FLR FLT FLTCK FLUC FLW FLY FM FM FM FM FMC FMC	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following fly or flying course from a fix to manual termination (used in navigation database coding) from from (followed by time weather change is forecast to begin) flight management computer frequency monitoring code	H H h h24 HA HAP HAPI HBN	significant wave height (followed by figures in METAR/SPECI) hourly half-hourly continuous day and night service holding/racetrack to an altitude heli aiming point helicopter approach path indicator hazard beacon
FLR FLT FLTCK FLUC FLW FLY FM FM FM FM FMC FMC FMC FMP	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following fly or flying course from a fix to manual termination (used in navigation database coding) from from (followed by time weather change is forecast to begin) flight management computer frequency monitoring code flow management position	H H h h H24 HA HAP HAPI HBN HCH	significant wave height (followed by figures in METAR/SPECI) hourly half-hourly continuous day and night service holding/racetrack to an altitude heli aiming point helicopter approach path indicator
FLR FLT FLTCK FLUC FLW FLY FM FM FM FM FMC FMC FMC FMP FMS	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following fly or flying course from a fix to manual termination (used in navigation database coding) from from (followed by time weather change is forecast to begin) flight management computer frequency monitoring code flow management position flight management system	H H h h24 HA HAP HAPI HBN	significant wave height (followed by figures in METAR/SPECI) hourly half-hourly continuous day and night service holding/racetrack to an altitude heli aiming point helicopter approach path indicator hazard beacon
FLR FLTCK FLUC FLW FLY FM FM FM FMC FMC FMC FMC FMC FMS FMS	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following fly or flying course from a fix to manual termination (used in navigation database coding) from from (followed by time weather change is forecast to begin) flight management computer frequency monitoring code flow management position flight management system flow management unit	H H h h H24 HA HAP HAPI HBN HCH	significant wave height (followed by figures in METAR/SPECI) hourly half-hourly continuous day and night service holding/racetrack to an altitude heli aiming point helicopter approach path indicator hazard beacon helicopter crossing height
FLR FLTCK FLUC FLW FLY FM FM FM FMC FMC FMC FMC FMC FMC FMS FMS	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following fly or flying course from a fix to manual termination (used in navigation database coding) from from (followed by time weather change is forecast to begin) flight management computer frequency monitoring code flow management position flight management system	H H h h H24 HA HAP HAPI HBN HCH	significant wave height (followed by figures in METAR/SPECI) hourly half-hourly continuous day and night service holding/racetrack to an altitude heli aiming point helicopter approach path indicator hazard beacon helicopter crossing height high frequency direction finding station
FLR FLT FLTCK FLUC FLW FLY FM FM FM FMC FMC FMC FMC FMS FMU FMU	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following fly or flying course from a fix to manual termination (used in navigation database coding) from from (followed by time weather change is forecast to begin) flight management computer frequency monitoring code flow management position flight management system flow management unit	H H H h H24 HA HAP HAPI HBN HCH HDF	significant wave height (followed by figures in METAR/SPECI) hourly half-hourly continuous day and night service holding/racetrack to an altitude heli aiming point helicopter approach path indicator hazard beacon helicopter crossing height high frequency direction finding station heading
FLR FLT FLTCK FLUC FLW FLY FM FM FM FMC FMC FMC FMC FMB FMS FMU FNA FPAP	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following fly or flying course from a fix to manual termination (used in navigation database coding) from from (followed by time weather change is forecast to begin) flight management computer frequency monitoring code flow management position flight management system flow management unit final approach	H H H H H H24 HA HAP HAPI HBN HCH HDF HDG HEL	significant wave height (followed by figures in METAR/SPECI) hourly half-hourly continuous day and night service holding/racetrack to an altitude heli aiming point helicopter approach path indicator hazard beacon helicopter crossing height high frequency direction finding station heading helicopter
FLR FLT FLTCK FLW FLW FLY FM FM FM FMC FMC FMC FMC FMP FMS FMU FNA FPAP FPL	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following fly or flying course from a fix to manual termination (used in navigation database coding) from from (followed by time weather change is forecast to begin) flight management computer frequency monitoring code flow management position flight management system flow management unit final approach flight path alignment point	H H h h H24 HA HAP HAPI HBN HCH HDF HDG HEL HEMS	significant wave height (followed by figures in METAR/SPECI) hourly half-hourly continuous day and night service holding/racetrack to an altitude heli aiming point helicopter approach path indicator hazard beacon helicopter crossing height high frequency direction finding station heading helicopter helicopter emergency medical service high frequency (3000 to 30 000 kHz)
FLR FLT FLTCK FLUC FLW FLY FM FM FM FMC FMC	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following fly or flying course from a fix to manual termination (used in navigation database coding) from from (followed by time weather change is forecast to begin) flight management computer frequency monitoring code flow management position flight management system flow management unit final approach flight path alignment point flight plan	H H h H24 HA HAP HAPI HBN HCH HDF HDG HEL HEMS HF	significant wave height (followed by figures in METAR/SPECI) hourly half-hourly continuous day and night service holding/racetrack to an altitude heli aiming point helicopter approach path indicator hazard beacon helicopter crossing height high frequency direction finding station heading helicopter helicopter emergency medical service
FLR FLT FLTCK FLUC FLW FLY FM FM FM FMC FMC FMP FMS FMU FNA FPAP FPL FPM	flares flight flight check fluctuating or fluctuation or fluctuated follow(s) or following fly or flying course from a fix to manual termination (used in navigation database coding) from from (followed by time weather change is forecast to begin) flight management computer frequency monitoring code flow management position flight management system flow management unit final approach flight path alignment point flight plan feet per minute	H H H H HAP HAPI HBN HCH HDF HDG HEL HEMS HF	significant wave height (followed by figures in METAR/SPECI) hourly half-hourly continuous day and night service holding/racetrack to an altitude heli aiming point helicopter approach path indicator hazard beacon helicopter crossing height high frequency direction finding station heading helicopter helicopter emergency medical service high frequency (3000 to 30 000 kHz) holding/racetrack to a fix

HLP	heliport	kPa	kilopascal
HLS HM	helicopter landing site holding/racetrack to a manual termination	KT kW	knots kilowatts
HMR	helicopter main route		Niowatts
HN	sunset to sunrise	L	
HO HOL	service available to meet operational requirements holiday	L	left (preceded by runway designation number to identify a
HOSP	hospital aircraft	L	parallel runway) light (weight)
hPa	hectopascal	Ĺ	litre
HPZ	helicopter protection zone	L	locator
HR HRP	hours heliport reference point	L	low pressure area or the centre of low pressure
HS	service available during hours of scheduled operations	LAM LAN	logical acknowledgement (message type designator) inland
HTZ	helicopter traffic zone	LAT	latitude
HUD	head-up display	LB	pounds (weight)
HUM	humanitarian hurricane	LCA	local or locally or location or located
HURCN HVDF	high and very high frequency direction finding stations (at	<i>LCN</i> LDA	load classification number landing distance available
1101	the same location)	LDA	landing distance available, helicopter
HVY	heavy	LDG	landing
HVY	heavy (used to indicate the intensity of weather phenomena,	LDI	landing direction indicator
НX	e.g. HVY RA=heavy rain) no specific working hours	LEN LF	length
HYR	higher	LF LGT	low frequency (30 to 300 kHz) light or lighting
ΗZ	haze	LGTD	lighted
Ηz	Hertz (cycle per second)	LIH	light intensity high
		LIL	light intensity low
	EPA intermediate point	LIM	light intensity medium
AC	FRA intermediate point instrument approach chart (followed by name/title)	LINE <i>LLFC</i>	line (used in SIGMET) low-level forecast
AF	initial approach fix	LLTI	low-level temperature inversion
AO	in and out of clouds	LM	locator, middle
AP	instrument approach procedure	LMT	local mean time
AR	intersection of air routes	LNAV	lateral navigation (to be pronounced "EL-NAV")
AS	indicated airspeed	LNG	long (used to indicate the type of approach desired or re-
BN ICAO	identification beacon International Civil Aviation Organization	LO	quired) locator, outer
CAU	icing	LOC	localizer
D	identifier or identify	LONG	longitude
DENT	identification	LORAN	LORAN (long range air navigation system)
F	intermediate approach fix	LOSS	airspeed or headwind loss
FF	identification friend/foe	LPV	localizer performance with vertical guidance
FPS	integrated initial flight plan processing system	LR	the last message received by me was (to be used in AF
FR GA	instrument flight rules international general aviation	LRG	as a procedure signal) long range
LS	instrument landing system	LS	the last message sent by me was or last message was
M	inner marker	20	(to be used in AFS as a procedure signal)
MC	instrument meteorological conditions	LTA	lower control area
MG	immigration	LTD	limited
MI	interrogation sign (question mark) (to be used in AFS as a	LTP	landing threshold point
MPR	procedure signal) improve or improving	LV LVE	light and variable (relating to wind) leave or leaving
MT	immediate or immediately	LVL	level
NA	initial approach	LVNL	Luchtverkeersleiding Nederland
NBD	inbound	LVP	low visibility procedures
NC	in cloud	LYR	layer or layered
NCERFA NCORP	uncertainty phase incorporated	M	
NFO	information		motros (proceded by figures)
NOP	inoperative	m M	metres (preceded by figures) metres (preceded by figures)
NP		141	mones (proceded by figures)
NIDD	if not possible	M	mach number (followed by figures)
	in progress	M M	mach number (followed by figures) minimum value of runway visual range (followed by figure
NS	in progress inertial navigation system	М	minimum value of runway visual range (followed by figure in METAR/SPECI)
NS NSTL	in progress inertial navigation system install or installed or installation	М <i>М</i>	minimum value of runway visual range (followed by figure in METAR/SPECI) medium
NS NSTL NSTR	in progress inertial navigation system install or installed or installation instrument	M <i>M</i> MAA	minimum value of runway visual range (followed by figure in METAR/SPECI) medium maximum authorized altitude
NS NSTL NSTR NT	in progress inertial navigation system install or installed or installation	M M MAA MAG	minimum value of runway visual range (followed by figure in METAR/SPECI) medium maximum authorized altitude magnetic
NS NSTL NSTR NT NTL	in progress inertial navigation system install or installed or installation instrument intersection	M <i>M</i> MAA	minimum value of runway visual range (followed by figure in METAR/SPECI) medium maximum authorized altitude
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NOF international NOTAM office PL ice pellets				plain language ice pellets

PLA			
	practice low approach	RDH	reference datum height
PLVL	present level	RDL	radial
PN	prior notice required	RDO	radio
PNR	point of no return	RDOACT	radioactive
PO	dust/sand whirls (dust devils)	RE	recent (used to qualify weather phenomena e.g. RERA=r
POB	persons on board		cent rain)
POSS	possible	REC	receive or receiver
PPI	plan position indicator	RECAT-EU	European wake vortex re-categorization
PPR	prior permission required	REDL	runway edge light(s)
PPSN	present position	REF	reference to or refer to
PRFG	aerodrome partially covered by fog	REG	registration
PRI	primary	RENL	runway end light(s)
PRKG PROB	parking	REP	report or reporting or reporting point
PROC	probability procedure	REQ RERTE	request or requested re-route
PROP	propeller	RESA	runway end safety area
PROV	provisional	RETD	revised estimated time of departure
PRP	point-in-space reference point	RF	constant radius arc to a fix
PS	plus	RFFS	rescue and fire fighting services
PSI	pounds per square inch	RFP	replacement flight plan
PSG	passing	RG	range (lights)
PSN	position	RHC	right-hand circuit
PSP	pierced steel plank	RIF	reclearance in flight
PSR	primary surveillance radar	RIME	rime (used in aerodrome warnings)
PSYS	pressure system(s)	RL	report leaving
PTN	procedure turn	RLA	relay to
PTS	polar track structure	RLCE	request level change en-route
PWR	power	RLLS	runway lead-in lighting system
`		RLNA	request level not available
2		RMK	remark
QDL	do you intend to ask me for a series of bearings? or I intend	RMZ	radio mandatory zone
	to ask you for a series of bearings (to be used in radiotele-	RNAV	area navigation (to be pronounced "AR-NAV")
	graphy as a Q code)	RNG	radio range
QDM	magnetic heading (zero wind)	RNLAF	Royal Netherlands Airforce
QDR	magnetic bearing	RNN	Royal Netherlands Navy
QFE	atmospheric pressure at aerodrome elevation (or at runway	RNP	required navigation performance
_	threshold)	ROBEX	regional OPMET bulletin exchange (scheme)
QFU	magnetic orientation of runway	ROC	rate of climb
QGE	what is my distance to your station? or your distance to my	ROD	rate of descent
	station is (distance figures and units) (to be used in radiotele-	RON	receiving only
	graphy as a Q code)	<i>RPAS</i> RPDS	remotely piloted aircraft systems
JJH	shall I run my test tape/a test sentence? or run your test	RPI	reference path data selector
	tape/a test sentence (to be used in AFS as a Q code)	RPL	radar position indicator
HNC	altimeter sub-scale setting to obtain elevation when on the	RPLC	repetitive flight plan replace or replaced
200	ground	RPS	radar position symbol
QSP	will you relay to free of charge? or I will relay to free of	RPT	repeat or I repeat (to be used in AFS as a procedure sign
OT 4	charge (to be used in AFS as a Q code)	RQ	request (to be used in AFS as a procedure signal)
QTA	shall I cancel telegram number? or cancel telegram num-	RQMNTS	requirements
QTE	ber (to be used in AFS as a Q code)	RQP	request flight plan (message type designator)
QTF	true bearing will you give me the position of my station according to the	RQS	request supplementary flight plan (message type designate
Q.11	bearings taken by the D/F stations which you control? or	RR	report reaching
	the position of your station according to the bearings taken	RRA	(or RRB, RRCetc., in sequence) delayed meteorologic
	by the D/F stations that I control was latitude longitude		message (message type designator)
	(or other indication of position), class at hours (to be	RSA	restricted airspace
	used in radiotelegraphy as a Q code)	RSC	rescue sub-centre
QUAD	quadrant	RSCD	runway surface condition
QUJ	will you indicate the TRUE track to reach you? or the TRUE	RSM	runway state message
	,		
	track to reach me is degrees at hours (to be used in ra-	RSP	required surveillance performance
	track to reach me is degrees at hours (to be used in radiotelegraphy as a Q code)	RSP RSP	required surveillance performance responder beacon
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₹		RSP RSP	required surveillance performance responder beacon
		RSP RSP RSR	required surveillance performance responder beacon en-route surveillance radar root sum square delayed (used to indicate delayed meteorological message
₹	diotelegraphy as a Q code)	RSP RSP RSR RSS RTD	required surveillance performance responder beacon en-route surveillance radar root sum square delayed (used to indicate delayed meteorological messag message type designator)
₹ ₹	diotelegraphy as a Q code) radial from VOR (followed by three figures)	RSP RSP RSR RSS RTD	required surveillance performance responder beacon en-route surveillance radar root sum square delayed (used to indicate delayed meteorological message message type designator) route
२ २	radial from VOR (followed by three figures) rate of turn	RSP RSP RSR RSS RTD RTE RTF	required surveillance performance responder beacon en-route surveillance radar root sum square delayed (used to indicate delayed meteorological messag message type designator) route radiotelephone
२ २ २	radial from VOR (followed by three figures) rate of turn received (acknowledgement of receipt) (to be used in AFS	RSP RSP RSR RSS RTD RTE RTF RTG	required surveillance performance responder beacon en-route surveillance radar root sum square delayed (used to indicate delayed meteorological message message type designator) route radiotelephone radiotelegraph
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२ २ २ २	radial from VOR (followed by three figures) rate of turn received (acknowledgement of receipt) (to be used in AFS as a procedure signal) red restricted area (followed by identification)	RSP RSP RSR RSS RTD RTE RTF RTG RTHL RTN RTODAH	required surveillance performance responder beacon en-route surveillance radar root sum square delayed (used to indicate delayed meteorological messag message type designator) route radiotelephone radiotelegraph runway threshold light(s) return or returned or returning rejected take-off distance available, helicopter
र २ २ २ २ २	radial from VOR (followed by three figures) rate of turn received (acknowledgement of receipt) (to be used in AFS as a procedure signal) red restricted area (followed by identification) right (preceded by runway designation number to identify a	RSP RSP RSR RSS RTD RTE RTF RTG RTHL RTN RTODAH RTS	required surveillance performance responder beacon en-route surveillance radar root sum square delayed (used to indicate delayed meteorological messag message type designator) route radiotelephone radiotelegraph runway threshold light(s) return or returned or returning rejected take-off distance available, helicopter return to service
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R R R R R R R R R R	radial from VOR (followed by three figures) rate of turn received (acknowledgement of receipt) (to be used in AFS as a procedure signal) red restricted area (followed by identification) right (preceded by runway designation number to identify a parallel runway) runway (followed by figures in METAR/SPECI) rain resolution advisory rules of the air and air traffic services	RSP RSP RSR RSS RTD RTE RTF RTG RTHL RTN RTODAH RTS RTT RTZL RUT	required surveillance performance responder beacon en-route surveillance radar root sum square delayed (used to indicate delayed meteorological messag message type designator) route radiotelephone radiotelegraph runway threshold light(s) return or returned or returning rejected take-off distance available, helicopter return to service radioteletypewriter runway touchdown zone light(s) standard regional route transmitting frequencies
R R R R R R R R R R	radial from VOR (followed by three figures) rate of turn received (acknowledgement of receipt) (to be used in AFS as a procedure signal) red restricted area (followed by identification) right (preceded by runway designation number to identify a parallel runway) runway (followed by figures in METAR/SPECI) rain resolution advisory	RSP RSP RSP RSR RSS RTD RTE RTF RTG RTHL RTN RTODAH RTS RTT RTZL RUT RV	required surveillance performance responder beacon en-route surveillance radar root sum square delayed (used to indicate delayed meteorological messag message type designator) route radiotelephone radiotelegraph runway threshold light(s) return or returned or returning rejected take-off distance available, helicopter return to service radioteletypewriter runway touchdown zone light(s) standard regional route transmitting frequencies rescue vessel
R R R R R R R R R R R R R R R R R R R	radial from VOR (followed by three figures) rate of turn received (acknowledgement of receipt) (to be used in AFS as a procedure signal) red restricted area (followed by identification) right (preceded by runway designation number to identify a parallel runway) runway (followed by figures in METAR/SPECI) rain resolution advisory rules of the air and air traffic services route availability document ragged	RSP RSP RSR RSS RTD RTE RTF RTG RTHL RTN RTODAH RTS RIT RTZL RUT RV	required surveillance performance responder beacon en-route surveillance radar root sum square delayed (used to indicate delayed meteorological messag message type designator) route radiotelephone radiotelephone radiotelegraph runway threshold light(s) return or returned or returning rejected take-off distance available, helicopter return to service radioteletypewriter runway touchdown zone light(s) standard regional route transmitting frequencies rescue vessel radar vectoring area
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R R R R R R R R R R R R R R R R R R R	radial from VOR (followed by three figures) rate of turn received (acknowledgement of receipt) (to be used in AFS as a procedure signal) red restricted area (followed by identification) right (preceded by runway designation number to identify a parallel runway) runway (followed by figures in METAR/SPECI) rain resolution advisory rules of the air and air traffic services route availability document ragged runway arresting gear runway alignment indicator receiver autonomous integrity monitoring radar approach control regional AIS system centre remote altimeter setting source rescue boat reach cruising altitude runway condition assessment matrix rescue co-ordination centre radio communication failure (message type designator) reach or reaching	RSP RSP RSP RSP RSS RTD RTE RTF RTG RTHL RTN RTODAH RTS RTT RV RVA RVR RVSM RWY RWYCC S S S S S S S S S S S S S S S S S S	required surveillance performance responder beacon en-route surveillance radar root sum square delayed (used to indicate delayed meteorological message message type designator) route radiotelephone radiotelegraph runway threshold light(s) return or returned or returning rejected take-off distance available, helicopter return to service radioteletypewriter runway touchdown zone light(s) standard regional route transmitting frequencies rescue vessel radar vectoring area runway visual range reduced vertical separation minimum (300 m (1000 ft)) between FL 290 and FL 410 runway runway condition code south or southern latitude special meteorological report (in abbreviated plain language state of the sea (followed by figures in METAR/SPECI) sand simple approach lighting system sanitary search and rescue
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SATCOM	satellite communication (used only when referring generally to both voice and data satellite communication or only data satellite communication)	SVCBL SW SWB	serviceable south-west south-westbound
SATVOICE	satellite voice communication	SWC	significant weather chart
SB SBAS	southbound satellite-based augmentation system (to be pronounced	SWY	stopway
)D/(O	"ESS-BASS")	Т	
SC SCT	stratocumulus	T	temperature
SD	scattered standard deviation	Т	true (preceded by a bearing to indicate reference to true north)
SDBY	stand by	TA	traffic advisory
SDF SE	step down fix south-east	TA TAA	transition altitude terminal arrival altitude
SEA	sea (used in connection with sea-surface temperature and	TACAN	UHF tactical air navigation aid
SEB	state of the sea) south-eastbound	TAF	aerodrome forecast (in meteorological code)
SEC	seconds	TA/H TAIL	turn at an altitude/height tail wind
SECN	section	TAR	terminal area surveillance radar
SECT SELCAL	sector selective calling system	TAS TAX	true airspeed taxiing or taxi
SEP	September	TBS	Time based separation
SER S <i>ERA</i>	service or servicing or served standardised European rules of the air	TC TCAC	tropical cyclone
SEV	severe (used e.g. to qualify icing and turbulence reports)	TCAS RA	tropical cyclone advisory centre traffic alert and collision avoidance system resolution adv
SFC	surface		ory (to be pronounced "TEE-CAS-AR-AY")
SG SGL	snow grains signal	TCH TCU	threshold crossing height towering cumulus
SH	showers (followed by RA=rain, SN=snow, PL=ice pellets,	TDO	tornado
	GR=hail, GS=small hail and/or snow pellets or combinations thereof, e.g. SHRASN=showers of rain and snow)	TDZ	touchdown zone
SHF	super high frequency (3000 to 30 000 MHz)	TECR TEL	technical reason telephone
SI	international system of units	TEMPO	temporary or temporarily
SID SIF	standard instrument departure selective identification feature	TF TFC	track to fix traffic
SIG	significant	TGL	touch-and-go landing
SIGMET	information concerning en-route weather and other phenomena in the atmosphere that may affect the safety of aircraft	<i>TGL</i> TGS	temporary guidance leaflet
	operations	THR	taxiing guidance system threshold
SIMUL	simultaneous or simultaneously	THRU	through
SIWL SKED	single isolated wheel load schedule or scheduled	THU TIBA	Thursday traffic information broadcast by aircraft
SLP	speed limiting point	TIL	until
SLW SMC	slow surface movement control	TIP TKOF	until past (place) take-off
SMR	surface movement radar	TL	till (followed by time by which weather change is forecast
SN SNOCLO	snow aerodrome closed due to snow (used in METAR/SPECI)	TLOF	end)
SNOWTAM	special series NOTAM notifying the presence or removal of	TLOF TMA	touchdown and lift-off area terminal control area
	hazardous conditions due to snow, ice, slush or standing	TMG	touring motor glider
	water associated with snow, slush and ice on the movement area, by means of a specific format	<i>TMZ</i> TN	transponder mandatory zone minimum temperature (followed by figures in TAF)
SOC	start of climb	TNA	turn altitude
SPECI	aerodrome special meteorological report (in meteorological code)	TNH	turn height
SPECIAL	special local meteorological report (in abbreviated plain	TO TOBT	to (place) target off-block time
SPI	language) special position indicator	TOC	top of climb
SPL	supplementary flight plan (message type designator)	TODA TODAH	take-off distance available take-off distance available, helicopter
SPOC	SAR point of contact	TOP	cloud top
SPOT SQ	spot wind squall	TORA TOX	take-off run available toxic
SQL	squall line	TP	turning point
SR S <i>R-30</i>	sunrise 30 minutes before sunrise	TR	track
SRA	surveillance radar approach	TRA TRANS	temporary reserved airspace transmits or transmitter
SRE	surveillance radar element of precision approach radar	TREND	trend forecast
SRG	system short range	TRG TRL	training transition level
SRR	search and rescue region	TROP	tropopause
SRY SS	secondary sandstorm	TS	thunderstorm (in aerodrome reports and forecasts, TS us
SS	sunset		alone means thunder heard but no precipitation at the aerodrome)
SS+30	30 minutes after sunset	TS	thunderstorm (followed by RA=rain, SN=snow, PL=ice p
SSB SSE	single sideband south-south-east		lets, GR=hail GS=small hail and/or snow pellets or comb ations thereof, e.g. TSRASN=thunderstorm with rain and
SSR	secondary surveillance radar		snow)
SST	supersonic transport	TSA	temporary segregated area
SSW ST	south-south-west stratus	<i>TSAT</i> TSUNAMI	target start-up approval time tsunami (used in aerodrome warnings)
STA	straight-in approach	TT	teletypewriter
STAR STD	standard instrument arrival standard	TUE TURB	Tuesday turbulence
STF	stratiform	T-VASIS	T visual approach slope indicator system (to be pronounc
STN	station		"TEE-VASIS")
STNR STOL	stationary short take-off and landing	TVOR TWR	terminal VOR aerodrome control
STS	status	TWY	taxiway
STWL SUBJ	stopway light(s) subject to	TX TXL	maximum temperature (followed by figures in TAF)
SUN	Sunday	TXT	taxilane text (when the abbreviation is used to request a repetition
SUP	supplement (AIP supplement)		the question mark (IMI) precedes the abbreviation, e.g. I
SUPPS	regional supplementary procedures	TYP	TXT) (to be used in AFS as a procedure signal) type of aircraft

26 JAN 2023 TYPH typhoon U upward (tendency in RVR during previous 10 minutes) U UA unmanned aircraft UAB until advised by upper area control centre UAC upper air route UAR UAS unmanned aircraft system UDA upper advisory area UDF ultra high frequency direction finding station UDP uniform daylight period UDR upper advisory route UFN until further notice UHDT unable higher due traffic ultra high frequency (300 to 3000 MHz) upper information centre UHF UIC UIR upper flight information region ultra light motorized aircraft ULM ULR ultra long range UNA unable **UNAP** unable to approve UNL unlimited UNREL unreliable unidentified precipitation (used in METAR/SPECI) ПP URL uniform resource locator U/S unserviceable UTA upper control area co-ordinated universal time UTC UUP updated airspace use plan ٧ variations from the mean wind direction (preceded and followed by figures in METAR/SPECI, e.g. 350V070) VA heading to an altitude VA volcanic ash VAAC volcanic ash advisory centre VAC visual approach chart (followed by name/title) VAL in valleys runway control van VAN VAR magnetic variation VAR visual-aural radio range visual approach slope indicator systems VASIS during day when visibility is bad VΒ vicinity of the aerodrome (followed by FG=fog, FC=funnel ۷C cloud, SH=showers, PO=dust/sand whirls, BLDU=blowing dust, BLSA=blowing sand, BLSN=blowing snow, DS=duststorm, SS=sandstorm, TS=thunderstorm or VA=volcanic ash, e.g. VCFG=vicinity fog) VCY vicinity **VDF** very high frequency direction finding station **VDGS** visual docking guidance system **VER** vertical visual flight rules VFR VHF very high frequency (30 to 300 MHz) heading to an intercept VI VIP very important person VIS visibility VLF very low frequency (3 to 30 kHz) VLR very long range VM heading to a manual termination visual meteorological conditions chart of visibility and cloud layers VMC VN VNAV vertical navigation (to be pronounced "VEE-NAV") volume (followed by I, II...)
meteorological information for aircraft in flight VOL VOLMET VHF omnidirectional radio range VOR VORTAC VOR and TACAN combination VOT VOR airborne equipment test facility VPA vertical path angle VPT visual manoeuvre with prescribed track **VRB** variable VSA by visual reference to the ground VSP vertical speed VTF vector to final VTOL vertical take-off and landing vertical visibility (followed by figures in METAR/SPECI and VV

WDSPR widespread WED Wednesday with effect from or effective from WEF WGS-84 world geodetic system - 1984 WI WID width or wide WIE with immediate effect or effective immediately WILCO will comply WIND wind work in progress WIP WKN weaken or weakening west-north-west WNW WO without WPT waypoint WRNG warning WS wind shear WSPD wind speed WSW west-south-west WT weight WTC wake turbulence category WTSPT waterspout world wide web www WX weather WXR weather radar Х cross Х Χ FRA horizontal exit point **XBAR** crossbar (of approach lighting system) XNG crossing XS atmospherics Υ vellow YCZ yellow caution zone (runway lighting) YES yes (affirmative) (to be used in AFS as a procedure signal) ΥR Ζ z co-ordinated universal time (in meteorological messages)

W west or western longitude W W white W sea-surface temperature (followed by figures in METAR/SPECI) W upper wind chart WAAS wide area augmentation system world aeronautical chart ICAO 1:1 000 000 (followed by WAC name/title) WAFC world area forecast centre WB westbound WBAR wing bar lights

vertical wind shear

wind direction indicator

VWS

WDI