

GEN 2.2 ABBREVIATIONS USED IN AIS PUBLICATIONS

*	Abbreviation marked by an asterisk (*) are either different from or not contained in ICAO Doc 8400.
†	When radiotelephony is used, the abbreviations and terms are transmitted as spoken words.
‡	When radiotelephony is used, the abbreviations and terms are transmitted using the individual letters in non-phonetic form.
(~)	Signal is also available for use in communicating with stations of the maritime mobile service.
#	Signal for use in the teletypewriter service only.

A	ADVS	Advisory service
A	ADZ	Advise
AAA	AES	Aircraft earth station
	AFIL	Flight plan filed in the air
	AFIS	Aerodrome flight information service
A/A	AFM	Yes or affirm or affirmative or that is correct
AAD	AFS	Aeronautical fixed service
AAIM	AFT...	After ...(<i>time or place</i>)
AAL	AFTN‡	Aeronautical fixed telecommunication network
AAR	A/G	Air-to-ground
ABI	AGA	Aerodromes, air routes and ground aids
ABM	AGL	Above ground level
ABN	AGN	Again
ABT	AIC	Aeronautical information circular
ABV	AIDC	Air traffic services interfacility data communications
AC	AIM	Aeronautical information management
ACARS†	AIP	Aeronautical information publication
	AIRAC	Aeronautical information regulation and control
ACAST†	AIREP†	Air-report
ACC‡	AIRMET†	Information concerning en-route weather phenomena which may affect the safety of low-level aircraft operations
ACCID	AIS	Aeronautical information services
ACFT	ALA	Alighting area
ACK	ALERFA†	Alert phase
ACL	ALR	Alerting (<i>message type designator</i>)
ACN	ALRS	Alerting service
ACP	ALS	Approach lighting system
ACPT	ALT	Altitude
ACT	ALTN	Alternate or alternating (<i>light alternates in colour</i>)
AD	ALTN	Alternate (<i>aerodrome</i>)
ADA	AMA	Area minimum altitude
ADC	AMD	Amend or amended (<i>used to indicate amended meteorological message; message type designator</i>)
ADDN	AMDT	Amendment (<i>AIP Amendment</i>)
ADF‡	AMS	Aeronautical mobile service
ADIZ†	AMSL	Above mean sea level
	AMSS	Aeronautical mobile satellite service
ADJ	ANC...	Aeronautical chart — 1:500 000 (<i>followed by name/title</i>)
ADO	ANCS...	Aeronautical navigation chart — small scale (<i>followed by name/title and scale</i>)
ADR	ANS	Answer
ADS~	AOC...	Aerodrome obstacle chart (<i>followed by</i>
ADS-B‡		
ADS-C‡		
ADSU		

AO	<i>type and name/title)</i>	AWTA	Advise at what time able
AP	Aircraft operator	AWY	Airway
APAPI†	Airport	AZM	Azimuth
APAPI†	(to be pronounced "AY-PAPI") Abbreviated precision approach path indicator		
APCH	Approach		
APDC...	Aircraft parking/docking chart (<i>followed by name/title)</i>		
APN	Apron	B	
APP	Approach control office or approach control or approach control service	B	Blue
APR	April	BA	Braking action
APRX	Approximate or approximately	BARO-VNAV†	Barometric vertical navigation (to be pronounced "BAA-RO-VEE-NAV")
APSG	After passing	BASE†	Cloud base
APU	Auxiliary power unit	BCFG	Fog patches
APV	Approach procedure with vertical guidance	BCN	Beacon (<i>aeronautical ground light</i>)
ARC	Area chart	BCST	Broadcast
ARNG	Arrange	BDRY	Boundary
ARO	Air traffic services reporting office	BECMG	Becoming
ARP	Aerodrome reference point	BFR	Before
ARP	Air-report (<i>message type designator</i>)	BKN	Broken
ARQ	Automatic error correction	BL...	Blowing (<i>followed by DU = dust, SA = sand or SN = snow</i>)
ARR	Arrival (<i>message type designator</i>)	BLDG	Building
ARR	Arrive or arrival	BLO	Below clouds
ARS	Special air-report (<i>message type designator</i>)	BLW...	Below...
ARST	Arresting (<i>specify (part of) aircraft arresting equipment</i>)	BOMB	Bombing
AS	Altostatus	BR	Mist
ASAP	As soon as possible	BRF	Short (used to indicate the type of approach desired or required)
ASC	Ascend to or ascending to	BRG	Bearing
ASDA	Accelerate-stop distance available	BRKG	Braking
ASE	Altimetry system error	BS	Commercial broadcasting station
ASPEEDGAIN	Airspeed or headwind gain	BTL	Between layers
ASPEEDLOSS	Airspeed or headwind loss	BTN	Between
ASPH	Asphalt	BUFR	Binary universal form for the representation of meteorological data
AT...	At (<i>followed by time at which weather change is forecast to occur</i>)		
ATA‡	Actual time of arrival	C	
ATC‡	Air traffic control (<i>in general</i>)	...C	Centre (preceded by runway designation number to identify a parallel runway)
ATD‡	Actual time of departure	C	Degrees Celsius (Centigrade)
ATFM	Air traffic flow management	CA	Course to an altitude
ATIS†	Automatic terminal information service	CAA	Civil Aviation Authority or Civil Aviation Administration
ATM	Air traffic management	CAT	Category
ATN	Aeronautical telecommunication network	CAT	Clear air turbulence
ATP...	At ...(<i>time or place</i>)	CAVOK†	(to be pronounced "KAV-OH-KAY") Visibility, cloud and present weather better than prescribed values or conditions
ATS	Air traffic services	CB‡	(to be pronounced "CEE BEE") Cumulonimbus
ATTN	Attention	CC	Cirrocumulus
AT-VASIS†	(to be pronounced "AY-TEE-VASIS") Abbreviated T visual approach slope indicator system	CCA	(or CCB, CCC...etc., in sequence) Corrected meteorological message (<i>message type designator</i>)
ATZ	Aerodrome traffic zone	CCO	Continuous climb operations
AUG	August	CD	Candela
AUTH	Authorized or authorization	CDN	Coordination (<i>message type designator</i>)
AUTO	Automatic	CDO	Continuous descent operations
AUW	All up weight	CDR	Conditional route
AUX	Auxiliary		
AVBL	Available or availability		
AVG	Average		
AVGAST†	Aviation gasoline		
AWOS	Automated Weather Observation System		

CF	Change frequency to...	CTL	Control
CF	Course to a fix	CTN	Caution
CFM~	Confirm or I confirm (<i>to be used in AFS as a procedure signal</i>)	CTR	Control zone
CGL	Circling guidance light(s)	CU	Cumulus
CH	Channel	CUF	Cumuliform
CH#	This is a channel-continuity-check of transmission to permit comparison of your record of channel-sequence numbers of messages received on the channel (<i>to be used in AFS as a procedure signal</i>)	CUST	Customs
		CVFR*	Controlled VFR
		CVR	Cockpit voice recorder
		CW	Continuous wave
		CWY	Clearway
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CHEM	Chemical	D	
CHG	Modification (<i>message type designator</i>)	D	Downward (<i>tendency in RVR during previous 10 minutes</i>)
CI	Cirrus	D...	Danger area (<i>followed by identification</i>)
CIDINT†	Common ICAO data interchange network	DA	Decision altitude
CIV	Civil	D-ATIS†	(<i>to be pronounced "DEE-ATIS"</i>) Data link automatic terminal information service
CK	Check	DCD	Double channel duplex
CL	Centre line	DCKG	Docking
CLA	Clear type of ice formation	DCP	Datum crossing point
CLBR	Calibration	DCPC	Direct controller-pilot communications
CLD	Cloud	DCS	Double channel simplex
CLG	Calling	DCT	Direct (<i>in relation to flight plan clearances and type of approach</i>)
CLIMB-OUT	Climb-out area	DE~	From (<i>used to precede the call sign of the calling station</i>) (<i>to be used in AFS as a procedure signal</i>)
CLR	Clear(s) or cleared to ...or clearance	DEC	December
CLRD	Runway(s) cleared (<i>used in METAR/SPECI</i>)	DEG	Degrees
CLSD	Close or closed or closing	DEP	Depart or departure
CM	Centimetre	DEPO	Departure (<i>message type designator</i>)
CMB	Climb to or climbing to	DER	Deposition
CMPL	Completion or completed or complete	DES	Departure end of the runway
CNL	Cancel or cancelled	DEST	Descend to or descending to
CNL	Flight plan cancellation (<i>message type designator</i>)	DETRESFA†	Destination
CNS	Communications, navigation and surveillance	DEV	Distress phase
COM	Communications	DF	Deviation or deviating
CONC	Concrete	DFDR	Direction finding
COND	Condition	DFTI	Digital flight data recorder
CONS	Continuous	DH	Distance from touchdown indicator
CONST	Construction or constructed	DIF	Decision height
CONT	Continue(s) or continued	DIST	Diffuse
COOR	Coordinate or coordination	DIV	Distance
COORD	Coordinates	DLA	Divert or diverting
COP	Change-over point	DLA	Delay or delayed
COR	Correct or correction or corrected (<i>used to indicate corrected meteorological message; message type designator</i>)	DLIC	Delay (<i>message type designator</i>)
COT	At the coast	DLY	Data link initiation capability
COV	Cover or covered or covering	DME‡	Daily
CPDLC†	Controller-pilot data link communications	DNG	Distance measuring equipment
CPL	Current flight plan (<i>message type designator</i>)	DOF	Danger or dangerous
CRC	Cyclic redundancy check	DOM	Date Of Flight
CRM	Collision risk model	DP	Domestic
CRP	Compulsory reporting point	DPT	Dew point temperature
CRZ	Cruise	DR	Depth
CS	Call sign	DR...	Dead reckoning
CS	Cirrostratus	DRG	Low drifting (<i>followed by DU = dust, SA = sand or SN = snow</i>)
CTA	Control area	DS	During
CTAM	Climb to and maintain		Duststorm
CTC	Contact		

DSB	Double sideband	EXC	Except
DTAM	Descend to and maintain	EXER	Exercises or exercising or to exercise
DTG	Date-time group	EXP	Expect or expected or expecting
DTHR	Displaced runway threshold	EXTD	Extend or extending or Extended
DTRT	Deteriorate or deteriorating		
DTW	Dual tandem wheels		
DU	Dust		
DUC	Dense upper cloud		
DUPE#	This is a duplicate message (<i>to be used in AFS as a procedure signal</i>)	F	
DUR	Duration	F	Fixed
D-VOLMET	Data link VOLMET	FA	Course from a fix to an altitude
DVOR	Doppler VOR	FAC	Facilities
DW	Dual wheels	FAF	Final approach fix
DZ	Drizzle	FAL	Facilitation of international air transport
		FAP	Final approach point
		FAS	Final approach segment
		FATO	Final approach and take-off area
		FAX	Facsimile transmission
		FBL	Light (<i>used to indicate the intensity of weather phenomena, interference or static reports, e.g. FBL RA = light rain</i>)
E		FC	Funnel cloud (<i>tornado or water spout</i>)
E	East or eastern longitude	FCST	Forecast
EAT	Expected approach time	FCT	Friction coefficient
EB	Eastbound	FDPS	Flight data processing system
EDA	Elevation differential area	FEB	February
EDTO	Extended diversion time operations	FEW	Few
EEE#	Error (<i>to be used in AFS as a procedure signal</i>)	FG	Fog
EET	Estimated elapsed time	FIC	Flight information centre
EFC	Expect further clearance	FIR‡	Flight information region
EFIST†	(<i>to be pronounced "EE-FIS"</i>) Electronic flight instrument system	FIS	Flight information service
EGNOST†	(<i>to be pronounced "EGG-NOS"</i>) European geostationary navigation overlay service	FISA	Automated flight information service
EHF	Extremely high frequency [30 000 to 300 000 MHz]	FL	Flight level
ELBA†	Emergency location beacon — aircraft	FLD	Field
ELEV	Elevation	FLG	Flashing
ELR	Extra long range	FLR	Flares
ELT	Emergency locator transmitter	FLT	Flight
EM	Emission	FLTCK	Flight check
EMBD	Embedded in a layer (<i>to indicate cumulonimbus embedded in layers of other clouds</i>)	FLUC	Fluctuating or fluctuation or fluctuated
EMERG	Emergency	FLW	Follow(s) or following
END	Stop-end (<i>related to RVR</i>)	FLY	Fly or flying
ENE	East-north-east	FM	Course from a fix to manual termination (<i>used in navigation database coding</i>)
ENG	Engine	FM...	From
ENR	En route	FMC	From (<i>followed by time weather change is forecast to begin</i>)
ENRC...	Enroute chart (<i>followed by name/title</i>)	FMS‡	Flight management computer
EOBT	Estimated off-block time	FMU	Flight management system
EQPT	Equipment	FNA	Flow management unit
ESE	East-south-east	FPAP	Final approach
EST	Estimate or estimated or estimation (<i>message type designator</i>)	FPL	Flight path alignment point
ETA~‡	Estimated time of arrival or estimating arrival	FPU	Flight plan
ETD‡	Estimated time of departure or estimating departure	FPM	Fix Power Unit
ETO	Estimated time over significant point	FPR	Feet per minute
EUR RODEX	European regional OPMET data exchange	FR	Flight plan route
EV	Every	FREQ	Fuel remaining
EVS	Enhanced vision system	FRI	Frequency
		FRNG	Friday
		FRONT†	Firing
		FROST†	Front (<i>relating to weather</i>)
		FRQ	Frost (<i>used in aerodrome warnings</i>)
		FSL	Frequent
		FSS	Full stop landing
			Flight service station

FST	First	
FT	Feet (<i>dimensional unit</i>)	
FTE	Flight technical error	
FTP	Fictitious threshold point	
FTT	Flight technical tolerance	
FU	Smoke	H
FZ	Freezing	H...
FZDZ	Freezing drizzle	H24
FZFG	Freezing fog	HA
FZRA	Freezing rain	HAT*
		HAPI
		HBN
		HDF
		HDG
		HEL
G		HF‡
G	Green	HF
G...	Variations from the mean wind speed (gusts) (<i>followed by figures in METAR/SPECI and TAF</i>)	HGT
GA	Go ahead, resume sending (<i>to be used in AFS as a procedure signal</i>)	HJ
GA	General Aviation	HLDG
G/A	Ground-to-air	HLS
G/A/G	Ground-to-air and air-to-ground	HM
GAGAN†	GPS and geostationary earth orbit augmented navigation	HN
GAMET	Area forecast for low-level flights	HO
GARP	GBAS azimuth reference point	HOL
GBAST†	(<i>to be pronounced "GEE-BAS"</i>) Ground-based augmentation system	HOSP
GCA‡	Ground controlled approach system or ground controlled approach	HPA
GEN	General	HLPA
GEO	Geographic or true	HLP
GES	Ground earth station	HR
GLD	Glider	HS
GLONASS†	(<i>to be pronounced "GLO-NAS"</i>) Global orbiting navigation satellite system	HURCN
GLS‡	GBAS landing system	HVDF
GMC...	Ground movement chart (<i>followed by name/title</i>)	HVY
GND	Ground	HVY
GNDCK	Ground check	HX
GNSS‡	Global navigation satellite system	HYR
GOV	Government	HZ
GP	Glide path	HZ
GPA	Glide path angle	
GPIP	Glide path intercept point	
GPS‡	Global positioning system	
GPU	Ground power unit	
GPWS‡	Ground proximity warning system	
GR	Hail	
GRAST†	(<i>to be pronounced "GRASS"</i>) Ground-based regional augmentation system	
GRASS	Grass landing area	I
GRIB	Processed meteorological data in the form of grid point values expressed in binary form (<i>meteorological code</i>)	IAA*
GRVL	Gravel	IAC...
GS	Ground speed	IAF
GS	Small hail and/or snow pellets	IALS*
GUND	Geoid undulation	IAO
		IAP
		IAR
		IAS
		IBN
		ICAO
		ICE
		ID
		IDENT†
		Israel airports authority
		Instrument approach chart (<i>followed by name/title</i>)
		Initial approach fix
		Intermediate approach lighting systems
		In and out of clouds
		Instrument approach procedure
		Intersection of air routes
		Indicated airspeed
		Identification beacon
		International Civil Aviation Organization
		Icing
		Identifier or identify
		Identification

IDFAF*	Israel Defense Force, Air Force	L	Locator (see LM, LO)
IF	Intermediate approach fix	L	Low pressure area or the centre of low pressure
IFF	Identification friend/foe	L	Litre
IFR‡	Instrument flight rules	LAM	Logical acknowledgement (<i>message type designator</i>)
IGA	International general aviation	LAN	Inland
ILS‡	Instrument landing system	LAT	Latitude
IM	Inner marker	LCA	Local or locally or location or located
IMC‡	Instrument meteorological conditions	LDA	Landing distance available
IMG	Immigration	LDAH	Landing distance available, helicopter
IMI~	Interrogation sign (<i>question mark</i>) (<i>to be used in AFS as a procedure signal</i>)	LDG	Landing
IMPR	Improve or improving	LDI	Landing direction indicator
IMT	Immediate or immediately	LEN	Length
INA	Initial approach	LF	Low frequency [30 to 300 kHz]
INBD	Inbound	LGT	Light or lighting
INC	In cloud	LGTD	Lighted
INCORP	Incorporated	LIH	Light intensity high
INCERFA†	Uncertainty phase	LIL	Light intensity low
INFO†	Information	LIM	Light intensity medium
INOP	Inoperative	LINE	Line (<i>used in SIGMET</i>)
INP	If not possible	LM	Locator, middle
INPR	In progress	LMT	Local mean time
INS	Inertial navigation system	LNAV†	(<i>to be pronounced "EL-NAV"</i>) Lateral navigation
INSTL	Install or installed or installation	LNG	Long (<i>used to indicate the type of approach desired or required</i>)
INSTR	Instrument	LO	Locator, outer
INT	Intersection	LOC	Localizer
INTL	International	LONG	Longitude
INTRG	Interrogator	LORANT†	LORAN (<i>long range air navigation system</i>) LPV Localizer performance with vertical guidance
INTRP	Interrupt or interruption or interrupted	LR	The last message received by me was ...(<i>to be used in AFS as a procedure signal</i>)
INTSF	Intensify or intensifying	LRG	Long range
INTST	Intensity	LS	The last message sent by me was . . . or Last message was ...(<i>to be used in AFS as a procedure signal</i>)
IR	Ice on runway	LTA	Lower control area
IRS	Inertial reference system	LTD	Limited
ISA	International standard atmosphere	LTP	Landing threshold point
ISB	Independent sideband	LV	Light and variable (<i>relating to wind</i>)
ISOL	Isolated	LVE	Leave or leaving
		LVL	Level
		LVP	Low visibility procedures
		LYR	Layer or layered

J

JAN	January
JTST	Jet stream
JUL	July
JUN	June

LTA	
LTD	
LTP	
LV	
LVE	
LVL	
LVP	
LYR	

K

KG	Kilograms
KHZ	Kilohertz
KIAS	Knots indicated airspeed
KM	Kilometres
KMH	Kilometres per hour
KPA	Kilopascal
KT	Knots
KW	Kilowatts

M

...M	Metres (<i>preceded by figures</i>)
M...	Mach number (<i>followed by figures</i>)
M...	Minimum value of runway visual range (<i>followed by figures in METAR/SPECI</i>)
MAA	Maximum authorized altitude
MAG	Magnetic
MAHF	Missed approach holding fix
MAINT	Maintenance
MAP	Aeronautical maps and charts
MAPT	Missed approach point
MAR	At sea

L

...L	Left (<i>preceded by runway designation number to identify a parallel runway</i>)
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MAR	March	MSAS†	(to be pronounced "EM-SAS") Multi-functional transport satellite (MTSAT) satellite-based augmentation system
MATF	Missed approach turning fix		
MATZ	Military aerodrome traffic zone		
MAX	Maximum	MSAW	Minimum safe altitude warning
MAY	May	MSG	Message
MBST	Microburst	MSL	Mean sea level
MCA	Minimum crossing altitude	MSR#	Message ...(<i>transmission identification</i>) has been misrouted (to be used in AFS as a procedure signal)
MCTR	Military control zone		
MCW	Modulated continuous wave		
MDA	Minimum descent altitude	MSSR	Monopulse secondary surveillance radar
MDF	Medium frequency direction-finding station		
MDH	Minimum descent height	MT	Mountain
MEA	Minimum en-route altitude	MTOM	Maximum take-off mass
MEDEVAC	Medical evacuation flight	MTU	Metric units
MEHT	Minimum eye height over threshold (for visual approach slope indicator systems)	MTW	Mountain waves
METT	Meteorological or meteorology	MVDF	Medium and very high frequency direction finding stations (at the same location)
METAR†	Aerodrome routine meteorological report (<i>in meteorological code</i>)	MWO	Meteorological watch office
MET REPORT	Local routine meteorological report (<i>in abbreviated plain language</i>)	MX	Mixed type of ice formation (<i>white and clear</i>)
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N			
N			No distinct tendency (<i>in RVR during previous 10 minutes</i>)
N			North or northern latitude
NADP			Noise abatement departure procedure
NALS*			NIL approach lighting systems
NASC†			National AIS system centre
NAT			North Atlantic
NAV			Navigation
NAVAID			Navigation aid
NB			Northbound
NBFR			Not before
NC			No change
NCD			No cloud detected (<i>used in automated METAR/SPECI</i>)
NDB‡			Non-directional radio beacon
NDV			No directional variations available (<i>used in automated METAR/SPECI</i>)
NE			North-east
NEB			North-eastbound
NEG			No or negative or permission not granted or that is not correct
NGT			Night
NIL†			None or I have nothing to send to you
NM			Nautical miles
NML			Normal
NN			No name, unnammed
NNE			North-north-east
NNW			North-north-west
NO			No (negative) (to be used in AFS as a procedure signal)
NOF			International NOTAM office
NONSTD			Non-standard
NOSIG†			No significant change (<i>used in trend-type landing forecasts</i>)
NOTAM†			A notice distributed by means of telecommunication containing information concerning the establishment, condition or change in any aeronautical facil-

	ity, service, procedure or hazard, the timely knowledge of which is essential to personnel concerned with flight operations	P	Maximum value of wind speed or runway visual range (<i>followed by figures in METAR/SPECI and TAF</i>)
NOTAMC	Cancelling NOTAM	P...	Prohibited area (<i>followed by identification</i>)
NOTAMN	New NOTAM	P...	Precision approach
NOTAMR	Replacing NOTAM	PALS	Precision approach lighting system (<i>specify category</i>)
NOV	November	PA	Procedures for air navigation services
NOZ‡	Normal operating zone	PAPIT	Precision approach path indicator
NPA	Non-precision approach	PAR‡	Precision approach radar
NR	Number	PARL	Parallel
NRH	No reply heard	PATC...	Precision approach terrain chart (<i>followed by name/title</i>)
NS	Nimbostratus	PAX	Passenger(s)
NSC	Nil significant cloud	PBC	Performance-based communication
NSE	Navigation system error	PBN	Performance-based navigation
NSW	Nil significant weather	PBS	Performance-based surveillance
NTL	National	PCD	Proceed or proceeding
NTZ‡	No transgression zone	PCL	Pilot-controlled lighting
NW	North-west	PCN	Pavement classification number
NWB	North-westbound	PCT	Per cent
NXT	Next	PDC‡	Pre-departure clearance
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O		PDG	Procedure design gradient
OAC	Oceanic area control centre	PER	Performance
OAS	Obstacle assessment surface	PERM	Permanent
OBS	Observe or observed or observation	PIB	Pre-flight information bulletin
OBSC	Obscure or obscured or obscuring	PJE	Parachute jumping exercise
OBST	Obstacle	PL	Ice pellets
OCA	Obstacle clearance altitude	PLA	Practice low approach
OCA	Oceanic control area	PLVL	Present level
OCC	Occulting (<i>light</i>)	PN	Prior notice required
OCH	Obstacle clearance height	PNR	Point of no return
OCNL	Occasional or occasionally	PO	Dust/sand whirls (<i>dust devils</i>)
OCS	Obstacle clearance surface	POB	Persons on board
OCT	October	POSS	Possible
OFZ	Obstacle free zone	PPI	Plan position indicator
OGN	Originate (<i>to be used in AFS as a procedure signal</i>)	PPR	Prior permission required
OHD	Overhead	PPSN	Present position
OIS	Obstacle identification surface	PRFG	Aerodrome partially covered by fog
OK~	We agree or It is correct (<i>to be used in AFS as a procedure signal</i>)	PRI	Primary
OLDIT†	On-line data interchange	PRKG	Parking
OM	Outer marker	PROB†	Probability
OPA	Opaque, white type of ice formation	PROC	Procedure
OPC	Control indicated is operational control	PROP	Propeller
OPMETT†	Operational meteorological (<i>information</i>)	PROV	Provisional
OPN	Open or opening or opened	PRP	Point-in-space reference point
OPR	Operator or operate or operative or operating or operational	PS	Plus
OPS†	Operations	PSG	Passing
O/R	On request	PSN	Position
ORD	Order	PSP	Pierced steel plank
OSV	Ocean station vessel	PSR‡	Primary surveillance radar
OTP	On top	PSYS	Pressure system(s)
OTS	Organized track system	PTN	Procedure turn
OUBD	Outbound	PTS	Polar track structure
OVC	Overcast	PWR	Power
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Q		QDL	Do you intend to ask me for a series of

	bearings? or I intend to ask you for a series of bearings (<i>to be used in radiotelegraphy as a Q Code</i>)	RASCT	ing
QDM‡	Magnetic heading (<i>zero wind</i>)	RASS	Regional AIS system centre
QDR	Magnetic bearing	RB	Remote altimeter setting source
QFE‡	Atmospheric pressure at aerodrome elevation (<i>or at runway threshold</i>)	RCA	Rescue boat
QFU	Magnetic orientation of runway	RCC	Reach cruising altitude
QGE	What is my distance to your station? or Your distance to my station is (<i>distance figures and units</i>) (<i>to be used in radiotelegraphy as a Q Code</i>)	RCF	Rescue coordination centre
QJH	Shall I run my test tape/a test sentence? or Run your test tape/a test sentence (<i>to be used in AFS as a Q Code</i>)	RCH	Radiocommunication failure (<i>message type designator</i>)
QNHT‡	Altimeter sub-scale setting to obtain elevation when on the ground	RCL	Reach or reaching
QSP	Will you relay to ...free of charge? or I will relay to ...free of charge (<i>to be used in AFS as a Q Code</i>)	RCLL	Runway centre line
QTA	Shall I cancel telegram number...? or Cancel telegram number ...(<i>to be used in AFS as a Q Code</i>)	RCLR	Runway centre line light(s)
QTE	True bearing	RCP‡	Recleared
QTF	Will you give me the position of my station according to the bearings taken by the D/F stations which you control? or The position of your station according to the bearings taken by the D/F stations that I control was ...latitude ...longitude (<i>or other indication of position</i>), class ...at ...hours (<i>to be used in radiotelegraphy as a Q Code</i>)	RDOACT	Required communication performance
QUAD	Quadrant	RDH	Radioactive
QUJ	Will you indicate the TRUE track to reach you? or The TRUE track to reach me is ...degrees at ...hours (<i>to be used in radiotelegraphy as a Q Code</i>)	RDL	Reference datum height
		RDO	Radial
		RE	Radio
		REC	Recent (<i>used to qualify weather phenomena, e.g. RERA = recent rain</i>)
		REDL	Receive or receiver
		REF	Runway edge light(s)
		REG	Reference to ...or refer to...
		REIL*	Registration
		RENL	RWY end identifier lights
		REP	Runway end light(s)
		REQ	Report or reporting or reporting point
		RERTE	Request or requested
		RESA	Re-route
		RF	Runway end safety area
		RFFS	Constant radius arc to a fix
		RG	Rescue and firefighting services
		RHC	Range (<i>lights</i>)
		RIF	Right-hand circuit
		RIME†	Reclearance in flight
		RL	Rime (<i>used in aerodrome warnings</i>)
		RLA	Report leaving
		RLCE	Relay to
		RLLS	Request level change en route
		RLNA	Runway lead-in lighting system
		RMK	Request level not available
		RNAV†	Remark
		RNG	(<i>to be pronounced "AR-NAV"</i>) Area navigation
...R	Right (<i>preceded by runway designation number to identify a parallel runway</i>)	RNP‡	Radio range
R	Rate of turn	ROBEX†	Required navigation performance
R	Red	ROC	Regional OPMET bulletin exchange (<i>scheme</i>)
R...	Restricted area (<i>followed by identification</i>)	ROD	Rate of climb
R...	Runway (<i>followed by figures in METAR/ SPECI</i>)	RON	Rate of descent
R~	Received (<i>acknowledgement of receipt</i>) (<i>to be used in AFS as a procedure signal</i>)	RPDS	Receiving only
R...	Radial from VOR (<i>followed by three figures</i>)	RPI‡	Reference path data selector
RA	Rain	RPL	Radar position indicator
RA	Resolution advisory	RPLC	Repetitive flight plan
RA*	Radio altimeter	RPS	Replace or replaced
RAC	Rules of the air and air traffic services	RPT~	Radar position symbol
RAG	Ragged	RQ~	Repeat or I repeat (<i>to be used in AFS as a procedure signal</i>)
RAG	Runway arresting gear	RQMNTS	Request (<i>to be used in AFS as a procedure signal</i>)
RAI	Runway alignment indicator	RQP	Requirements
RAIM†	Receiver autonomous integrity monitor-	RQS	Request flight plan (<i>message type designator</i>)
			Request supplementary flight plan (<i>message type designator</i>)

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RR	Report reaching	SEC	Seconds
RRA	(or RRB, RRC ...etc., in sequence) Delayed meteorological message (<i>message type designator</i>)	SECN	Section
RSC	Rescue sub-centre	SECT	Sector
RSCD	Runway surface condition	SELCAL†	Selective calling system
RSP‡	Required surveillance performance	SEP	September
RSP	Responder beacon	SER	Service or servicing or served
RSR	En-route surveillance radar	SEV	Severe (<i>used e.g. to qualify icing and turbulence reports</i>)
RSS	Root sum square	SFC	Surface
RTD	Delayed (<i>used to indicate delayed meteorological message; message type designator</i>)	SGL	Snow grains
RTE	Route	SH...	Signal
RTF	Radiotelephone		Shower (<i>followed by RA = rain, SN = snow, PL = ice pellets, GR = hail, GS = small hail and/or snow pellets or combinations thereof, e.g. SHRASN = showers of rain and snow</i>)
RTG	Radiotelegraph		Super high frequency [3 000 to 30 000 MHz]
RTHL	Runway threshold light(s)	SHF	
RTN	Return or returned or returning	SI	International system of units
RTODAH	Rejected take-off distance available, helicopter	SID†	Standard instrument departure
RTS	Return to service	SIF	Selective identification feature
RTT	Radioteletypewriter	SIG	Significant
RTZL	Runway touchdown zone light(s)	SIGMET†	Information concerning en-route and other phenomena in the atmosphere that may affect the safety of aircraft operations
RUT	Standard regional route transmitting frequencies		
RV	Rescue vessel	SIMUL	Simultaneous or simultaneously
RVA	Radar vectoring area	SIWL	Single isolated wheel load
RVR‡	Runway visual range	SKED	Schedule or scheduled
RVSM‡	Reduced vertical separation minimum (300 m (1 000 ft)) between FL 290 and FL 410	SLP	Speed limiting point
RWY	Runway	SLW	Slow
		SMC	Surface movement control
		SMR	Surface movement radar
		SN	Snow
		SNOCL0	Aerodrome closed due to snow (<i>used in METAR/SPECI</i>)
		SNOWTAM†	Special series NOTAM notifying the presence or removal of hazardous conditions due to snow, ice, slush or standing water associated with snow, slush and ice on the movement area, by means of a specific format

S

S	South or southern latitude		
S...	State of the sea (<i>followed by figures in METAR/SPECI</i>)		
SA	Sand		
SALS	Simple approach lighting system		
SAN	Sanitary	SOC	Start of climb
SAR	Search and rescue	SPECI†	Aerodrome special meteorological report (<i>in meteorological code</i>)
SARPS	Standards and Recommended Practices [ICAO]	SPECIAL†	Local special meteorological report (<i>in abbreviated plain language</i>)
SAT	Saturday	SPI	Special position indicator
SATCOM†	Satellite communication (<i>used only when referring generally to both voice and data satellite communication or only data satellite communication</i>)	SPL	Supplementary flight plan (<i>message type designator</i>)
SATVOICE†	Satellite voice communication	SPOC SAR	point of contact
SB	Southbound	SPOTT†	Spot wind
SBAS†	(<i>to be pronounced "ESS-BAS"</i>) Satellite-based augmentation system	SQ	Squall
SC	Stratocumulus	SQL	Squall line
SCT	Scattered	SR	Sunrise
SD	Standard deviation	SRA	Surveillance radar approach
SDBY	Stand by	SRA*	Special Rules Area
SDF	Step down fix	SRE	Surveillance radar element of precision approach radar system
SE	South-east	SRG	Short range
SEA	Sea (<i>used in connection with sea-surface temperature and state of the sea</i>)	SRR	Search and rescue region
SEB	South-eastbound	SRY	Secondary
		SRZ*	Special Rules Zone
		SS	Sandstorm

SS	Sunset	THU	Thursday
SSB	Single sideband	TIBAT†	Traffic information broadcast by aircraft
SSE	South-south-east	TILT†	Until
SSR‡	Secondary surveillance radar	TIP	Until past ...(<i>place</i>)
SST	Supersonic transport	TKOF	Take-off
SSW	South-south-west	TL...	Till (<i>followed by time by which weather change is forecast to end</i>)
ST	Stratus		Touchdown and lift-off area
STA	Straight-in approach	TLOF	Terminal control area
START†	Standard instrument arrival	TMA‡	Minimum temperature (<i>followed by figures in TAF</i>)
STD	Standard	TN...	Turn altitude
STF	Stratiform		Turn height
STN	Station	TNA	To ...(<i>place</i>)
STNR	Stationary	TNH	Top of climb
STOL	Short take-off and landing	TO...	Take-off distance available
STS	Status	TOC	Take-off distance available, helicopter
STWL	Stopway light(s)	TODA	Cloud top
SUBJ	Subject to	TODAH	Take-off run available
SUN	Sunday	TOP†	Toxic
SUP	Supplement (<i>AIP Supplement</i>)	TORA	Turning point
SUPPS	Regional supplementary procedures	TOX	Track
SUPP*	Supplement or supplementary	TP	Temporary reserved airspace
SVC	Service (<i>message type only</i>)	TR	Transmits or transmitter
SVCBL	Serviceable	TRA	Trend forecast
SVFR*	Special Visual Flight Rules	TRANS	Transition level
SW	South-west	TREND†	Training
SWB	South-westbound	TRL	Tropopause
SWY	Stopway	TRG	Thunderstorm (<i>in aerodrome reports and forecasts, TS used alone means thunder heard but no precipitation at the aerodrome</i>)
		TROP	Thunderstorm (followed by RA = rain, SN = snow, PL = ice pellets, GR = hail, GS = small hail and/or snow pellets or combinations thereof, e.g. TSRASN = thunderstorm with rain and snow)
		TS	Tsunami (used in aerodrome warnings)

T

T	Temperature	TS...	Thunderstorm
...T	True (<i>preceded by a bearing to indicate reference to True North</i>)		Thunderstorm (followed by RA = rain, SN = snow, PL = ice pellets, GR = hail, GS = small hail and/or snow pellets or combinations thereof, e.g. TSRASN = thunderstorm with rain and snow)
TA	Traffic advisory		Tsunami (used in aerodrome warnings)
TA	Transition altitude		Teletypewriter
TAAC	Terminal arrival altitude	TSUNAMIT†	Tuesday
TACANT†	UHF tactical air navigation aid	TT	Turbulence
TAF†	Aerodrome forecast (<i>in meteorological code</i>)	TUE	(to be pronounced "TEE-VASIS") T visual approach slope indicator system
TA/H	Turn at an altitude/height	TURB	Terminal VOR
TAIL†	Tail wind	T-VASIST†	Aerodrome control tower or aerodrome control
TAR	Terminal area surveillance radar	TVOR	Taxiway
TAS	True airspeed	TWR	Maximum temperature (<i>followed by figures in TAF</i>)
TAX	Taxiing or taxi		Taxilane
TC	Tropical cyclone	TWY	Text (when the abbreviation is used to request a repetition, the question mark (IMI) precedes the abbreviation, e.g. IMI TXT) (to be used in AFS as a procedure signal)
TCAC	Tropical cyclone advisory centre (<i>to be pronounced "TEE-CAS-AR-AY"</i>)	TX...	Type of aircraft
TCAS RA†	Traffic alert and collision avoidance system resolution advisory	TXL	Typhoon
		TXT~	
TCH	Threshold crossing height		
TCU	Towering cumulus		
TDO	Tornado		
TDZ	Touchdown zone		
TECR	Technical reason	TYP	
TEL	Telephone	TYPH	
TEMPO†	Temporary or temporarily		
TF	Track to fix		
TFC	Traffic		
TGL	Touch-and-go landing		
TGS	Taxiing guidance system		
THR	Threshold		
THRU	Through		

U

U	Upward (<i>tendency in RVR during previous 10 minutes</i>)
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UA	Unmanned aircraft		navigation
UAB...	Until advised by...	VOL	Volume (followed by I, II...)
UAC	Upper area control centre	VOLMET†	Meteorological information for aircraft in flight
UAR	Upper air route		
UAS	Unmanned aircraft system	VOR‡	VHF omnidirectional radio range
UDF	Ultra high frequency direction-finding station	VORTAC†	VOR and TACAN combination
		VOT VOR	airborne equipment test facility
UFN	Until further notice	VPA	Vertical path angle
UHDT	Unable higher due traffic	VPT	Visual manoeuvre with prescribed track
UHF‡	Ultra high frequency [300 to 3 000 MHz]	VRB	Variable
IIC	Upper information centre	VSA	By visual reference to the ground
UIR‡	Upper flight information region	VSP	Vertical speed
ULM	Ultra-light motorized aircraft	VTF	Vector to final
ULR	Ultra long range	VTOL	Vertical take-off and landing
UNA	Unable	VV...	Vertical visibility (<i>followed by figures in METAR/SPECI and TAF</i>)
UNAP	Unable to approve		
UNL	Unlimited		
UNREL	Unreliable		
UP	Unidentified precipitation (<i>used in automated METAR/SPECI</i>)		
W			
U/S	Unserviceable	W	West or western longitude
UTA	Upper control area	W	White
UTC‡	Coordinated Universal Time	W...	Sea-surface temperature (<i>followed by figures in METAR/SPECI</i>)
WAAS†		WAAS†	Wide area augmentation system
WAC...		WAC...	World Aeronautical Chart — ICAO 1:1 000 000 (<i>followed by name/title</i>)
WAFC		WAFC	World area forecast centre
WB		WB	Westbound
WBAR		WBAR	Wing bar lights
WDI		WDI	Wind direction indicator
WDSPR		WDSPR	Widespread
WED		WED	Wednesday
WEF		WEF	With effect from or effective from
WGS-84		WGS-84	World Geodetic System — 1984
WI		WI	Within
WID		WID	Width or wide
WIE		WIE	With immediate effect or effective immediately
WILCO†		WILCO†	Will comply
WIND		WIND	Wind
WIP		WIP	Work in progress
WKN		WKN	Weaken or weakening
WNW		WNW	West-north-west
WO		WO	Without
WPT		WPT	Way-point
WRNG		WRNG	Warning
WS		WS	Wind shear
WSPD		WSPD	Wind speed
WSW		WSW	West-south-west
WT		WT	Weight
WTSPT		WTSPT	Waterspout
WWW		WWW	Worldwide web
WX		WX	Weather
WXR		WXR	Weather radar
X			
		X	Cross
		XBAR	Crossbar (<i>of approach lighting system</i>)
		XNG	Crossing
		XS	Atmospherics

Y

Y Yellow
YCZ Yellow caution zone (*runway lighting*)
YES~ Yes (affirmative) (*to be used in AFS as a procedure signal*)
YR Your

Z

Z Coordinated Universal Time (*in meteorological messages*)