

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
		ADZ	Advise
A	Amber	AES	Aircraft earth station
AAA	Amended meteorological message (message type designator)	AFIL	Flight plan filed in the air
A/A	Air-to-air	AFIS	Aerodrome flight information service
AAD	Assigned altitude deviation	AFM	Yes or affirm or affirmative or that is correct
AAIM	Aircraft autonomous integrity monitoring	AFS	Aeronautical fixed service
AAL	Above aerodrome level	AFT...	After ... (time or place)
AAR	Air to air refueling	AFTN‡	Aeronautical fixed telecommunication network
ABI	Advance boundary information	A/G	Air-to-ground
ABM	Abeam	AGA	Aerodromes, air routes and ground aids
ABN	Aerodrome beacon	AGL	Above ground level
ABT	About	AGN	Again
ABV	Above	AIC	Aeronautical information circular
AC	Altocumulus	AIDC	Air traffic services interfacility data communications
ACARS†	(to be pronounced "AY-CARS") Aircraft communication addressing and reporting system	AIM	Aeronautical information management
ACAS†	Airborne collision avoidance system	AIP	Aeronautical information publication
ACC‡	Area control centre or area control	AIRAC	Aeronautical information regulation and control
ACCID	Notification of an aircraft accident	AIREP†	Air-report
ACFT	Aircraft	AIRMET†	Information concerning en-route weather phenomena which may affect the safety of low-level aircraft operations
ACK	Acknowledge		Aeronautical information services
ACL	Altimeter check location	AIS	Alighting area
ACN	Aircraft classification number	ALA	Alert phase
ACP	Acceptance (message type designator)	ALERFA†	Alerting (message type designator)
ACPT	Accept or accepted	ALR	Alerting service
ACT	Active or activated or activity	ALRS	Approach lighting system
AD	Aerodrome	ALS	Altitude
ADA	Advisory area	ALT	Alternate or alternating (light alternates in colour)
ADC	Aerodrome chart	ALTN	Alternate (aerodrome)
ADDN	Addition or additional	AMA	Area minimum altitude
ADF‡	Automatic direction-finding equipment	AMD	Amend or amended (used to indicate amended meteorological message; message type designator)
ADIZ†	(to be pronounced "AY-DIZ") Air defense identification zone	AMDT	Amendment (AIP Amendment)
ADJ	Adjacent	AMS	Aeronautical mobile service
ADO	Aerodrome office (specify service)	AMSL	Above mean sea level
ADR	Advisory route	AMSS	Aeronautical mobile satellite service
ADS~	The address (when this abbreviation is used to request a repetition, the question mark (IMI) precedes the abbreviation, e.g. IMI ADS) (to be used in AFS as a procedure signal)	ANC...	Aeronautical chart — 1:500 000 (followed by name/title)
ADS-B‡	Automatic dependent surveillance — broadcast	ANCS...	Aeronautical navigation chart — small scale (followed by name/title and scale)
ADS-C‡	Automatic dependent surveillance — contract	ANS	Answer
ADSU	Automatic dependent surveillance unit	AOC...	Aerodrome obstacle chart (followed by

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

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DSB	Double sideband
DTAM	Descend to and maintain
DTG	Date-time group
DTHR	Displaced runway threshold
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>
DUR	Duration
D-VOLMET	Data link VOLMET
DVOR	Doppler VOR
DW	Dual wheels
DZ	Drizzle

EXC	Except
EXER	Exercises or exercising or to exercise
EXP	Expect or expected or expecting
EXTD	Extend or extending or Extended

F

F	Fixed
FA	Course from a fix to an altitude
FAC	Facilities
FAF	Final approach fix
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

E	East or eastern longitude
EAT	Expected approach time
EB	Eastbound
EDA	Elevation differential area
EDTO	Extended diversion time operations
EEE#	Error <i>(to be used in AFS as a procedure signal)</i>
EET	Estimated elapsed time
EFC	Expect further clearance
EFIS†	<i>(to be pronounced "EE-FIS")</i> Electronic flight instrument system
EGNOS†	<i>(to be pronounced "EGG-NOS")</i> European geostationary navigation overlay service
EHF	Extremely high frequency [30 000 to 300 000 MHz]
ELBA†	Emergency location beacon — aircraft
ELEV	Elevation
ELR	Extra long range
ELT	Emergency locator transmitter
EM	Emission
EMBD	Embedded in a layer <i>(to indicate cumulonimbus embedded in layers of other clouds)</i>
EMERG	Emergency
END	Stop-end <i>(related to RVR)</i>
ENE	East-north-east
ENG	Engine
ENR	En route
ENRC...	Enroute chart <i>(followed by name/title)</i>
EOBT	Estimated off-block time
EQPT	Equipment
ESE	East-south-east
EST	Estimate or estimated or estimation <i>(message type designator)</i>
ETA~‡	Estimated time of arrival or estimating arrival
ETD‡	Estimated time of departure or estimating departure
ETO	Estimated time over significant point
EUR RODEX	European regional OPMET data exchange
EV	Every
EVS	Enhanced vision system

FC	Funnel cloud <i>(tornado or water spout)</i>
FCST	Forecast
FCT	Friction coefficient
FDPS	Flight data processing system
FEB	February
FEW	Few
FG	Fog
FIC	Flight information centre
FIR‡	Flight information region
FIS	Flight information service
FISA	Automated flight information service
FL	Flight level
FLD	Field
FLG	Flashing
FLR	Flares
FLT	Flight
FLTCK	Flight check
FLUC	Fluctuating or fluctuation or fluctuated
FLW	Follow(s) or following
FLY	Fly or flying
FM	Course from a fix to manual termination <i>(used in navigation database coding)</i>
FM	From
FM...	From <i>(followed by time weather change is forecast to begin)</i>
FMC	Flight management computer
FMS‡	Flight management system
FMU	Flow management unit
FNA	Final approach
FPAP	Flight path alignment point
FPL	Flight plan
FPU	Fix Power Unit
FPM	Feet per minute
FPR	Flight plan route
FR	Fuel remaining
FREQ	Frequency
FRI	Friday
FRNG	Firing
FRONT†	Front <i>(relating to weather)</i>
FROST†	Frost <i>(used in aerodrome warnings)</i>
FRQ	Frequent
FSL	Full stop landing
FSS	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		
FZ	Freezing		
FZDZ	Freezing drizzle		
FZFG	Freezing fog		
FZRA	Freezing rain		
G			
G	Green		
G...	Variations from the mean wind speed (gusts) (<i>followed by figures in METAR/SPECI and TAF</i>)		
GA	Go ahead, resume sending (<i>to be used in AFS as a procedure signal</i>)		
GA	General Aviation		
G/A	Ground-to-air		
G/A/G	Ground-to-air and air-to-ground		
GAGAN†	GPS and geostationary earth orbit augmented navigation		
GAMET	Area forecast for low-level flights		
GARP	GBAS azimuth reference point		
GBAS†	(<i>to be pronounced "GEE-BAS"</i>) Ground-based augmentation system		
GCA‡	Ground controlled approach system or ground controlled approach		
GEN	General		
GEO	Geographic or true		
GES	Ground earth station		
GLD	Glider		
GLONASS†	(<i>to be pronounced "GLO-NAS"</i>) Global orbiting navigation satellite system		
GLS‡	GBAS landing system		
GMC...	Ground movement chart (<i>followed by name/title</i>)		
GND	Ground		
GNDCK	Ground check		
GNSS‡	Global navigation satellite system		
GOV	Government		
GP	Glide path		
GPA	Glide path angle		
GPIP	Glide path intercept point		
GPS‡	Global positioning system		
GPU	Ground power unit		
GPWS‡	Ground proximity warning system		
GR	Hail		
GRAS†	(<i>to be pronounced "GRASS"</i>) Ground-based regional augmentation system		
GRASS	Grass landing area		
GRIB	Processed meteorological data in the form of grid point values expressed in binary form (<i>meteorological code</i>)		
GRVL	Gravel		
GS	Ground speed		
GS	Small hail and/or snow pellets		
GUND	Geoid undulation		
		H	
		H	High pressure area or the centre of high pressure
		H...	Significant wave height (<i>followed by figures in METAR/SPECI</i>)
		H24	Continuous day and night service
		HA	Holding/racetrack to an altitude
		HAT*	Height above threshold
		HAPI	Helicopter approach path indicator
		HBN	Hazard beacon
		HDF	High frequency direction-finding station
		HDG	Heading
		HEL	Helicopter
		HF‡	High frequency [3 000 to 30 000 kHz]
		HF	Holding/racetrack to a fix
		HGT	Height or height above
		HJ	Sunrise to sunset
		HLDG	Holding
		HLS	Helicopter landing site
		HM	Holding/racetrack to a manual termination
		HN	Sunset to sunrise
		HO	Service available to meet operational requirements
		HOL	Holiday
		HOSP	Hospital aircraft
		HPA	Hectopascal
		HLP	Heliport
		HR	Hours
		HS	Service available during hours of scheduled operations
		HUD	Head-up display
		HUM	Humanitarian
		HURCN	Hurricane
		HVDF	High and very high frequency direction finding stations (<i>at the same location</i>)
		HVY	Heavy
		HVY	Heavy (<i>used to indicate the intensity of weather phenomena, e.g. HVY RA = heavy rain</i>)
		HX	No specific working hours
		HYR	Higher
		HZ	Haze
		HZ	Hertz (<i>cycle per second</i>)
		I	
		IAA*	Israel airports authority
		IAC...	Instrument approach chart (<i>followed by name/title</i>)
		IAF	Initial approach fix
		IALS*	Intermediate approach lighting systems
		IAO	In and out of clouds
		IAP	Instrument approach procedure
		IAR	Intersection of air routes
		IAS	Indicated airspeed
		IBN	Identification beacon
		ICAO	International Civil Aviation Organization
		ICE	Icing
		ID	Identifier or identify
		IDENT†	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		
IFR‡	Instrument flight rules	L	Litre
IGA	International general aviation	LAM	Logical acknowledgement (<i>message type designator</i>)
ILS‡	Instrument landing system		
IM	Inner marker	LAN	Inland
IMC‡	Instrument meteorological conditions	LAT	Latitude
IMG	Immigration	LCA	Local or locally or location or located
IMI~	Interrogation sign (<i>question mark</i>) (<i>to be used in AFS as a procedure signal</i>)	LDA	Landing distance available
		LDAH	Landing distance available, helicopter
IMPR	Improve or improving	LDG	Landing
IMT	Immediate or immediately	LDI	Landing direction indicator
INA	Initial approach	LEN	Length
INBD	Inbound	LF	Low frequency [30 to 300 kHz]
INC	In cloud	LGT	Light or lighting
INCORP	Incorporated	LGTD	Lighted
INCERFA†	Uncertainty phase	LIH	Light intensity high
INFO†	Information	LIL	Light intensity low
INOP	Inoperative	LIM	Light intensity medium
INP	If not possible	LINE	Line (<i>used in SIGMET</i>)
INPR	In progress	LM	Locator, middle
INS	Inertial navigation system	LMT	Local mean time
INSTL	Install or installed or installation	LNAV†	(<i>to be pronounced "EL-NAV"</i>) Lateral navigation
INSTR	Instrument		
INT	Intersection	LNG	Long (<i>used to indicate the type of approach desired or required</i>)
INTL	International		
INTRG	Interrogator	LO	Locator, outer
INTRP	Interrupt or interruption or interrupted	LOC	Localizer
INTSF	Intensify or intensifying	LONG	Longitude
INTST	Intensity	LORAN†	LORAN (<i>long range air navigation system</i>) LPV Localizer performance with vertical guidance
IR	Ice on runway		
IRS	Inertial reference system		
ISA	International standard atmosphere	LR	The last message received by me was ...(<i>to be used in AFS as a procedure signal</i>)
ISB	Independent sideband		
ISOL	Isolated		
		LRG	Long range
		LS	The last message sent by me was . . . or Last message was ...(<i>to be used in AFS as a procedure signal</i>)
J			
JAN	January	LTA	Lower control area
JTST	Jet stream	LTD	Limited
JUL	July	LTP	Landing threshold point
JUN	June	LV	Light and variable (<i>relating to wind</i>)
		LVE	Leave or leaving
		LVL	Level
		LVP	Low visibility procedures
		LYR	Layer or layered
K			
KG	Kilograms		
KHZ	Kilohertz		
IAS	Knots indicated airspeed	M	
KM	Kilometres	...M	Metres (<i>preceded by figures</i>)
KMH	Kilometres per hour	M...	Mach number (<i>followed by figures</i>)
KPA	Kilopascal	M...	Minimum value of runway visual range (<i>followed by figures in METAR/SPECI</i>)
KT	Knots	MAA	Maximum authorized altitude
KW	Kilowatts	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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	ity, service, procedure or hazard, the timely knowledge of which is essential to personnel concerned with flight operations
NOTAMC	Cancelling NOTAM
NOTAMN	New NOTAM
NOTAMR	Replacing NOTAM
NOV	November
NOZ‡	Normal operating zone
NPA	Non-precision approach
NR	Number
NRH	No reply heard
NS	Nimbostratus
NSC	Nil significant cloud
NSE	Navigation system error
NSW	Nil significant weather
NTL	National
NTZ‡	No transgression zone
NW	North-west
NWB	North-westbound
NXT	Next

O

OAC	Oceanic area control centre
OAS	Obstacle assessment surface
OBS	Observe or observed or observation
OBSC	Obscure or obscured or obscuring
OBST	Obstacle
OCA	Obstacle clearance altitude
OCA	Oceanic control area
OCC	Occulting (<i>light</i>)
OCH	Obstacle clearance height
OCNL	Occasional or occasionally
OCS	Obstacle clearance surface
OCT	October
OFZ	Obstacle free zone
OGN	Originate (<i>to be used in AFS as a procedure signal</i>)
OHD	Overhead
OIS	Obstacle identification surface
OK~	We agree or It is correct (<i>to be used in AFS as a procedure signal</i>)
OLDI†	On-line data interchange
OM	Outer marker
OPA	Opaque, white type of ice formation
OPC	Control indicated is operational control
OPMET†	Operational meteorological (<i>information</i>)
OPN	Open or opening or opened
OPR	Operator or operate or operative or operating or operational
OPS†	Operations
O/R	On request
ORD	Order
OSV	Ocean station vessel
OTP	On top
OTS	Organized track system
OUBD	Outbound
OVC	Overcast

P

P...	Maximum value of wind speed or runway visual range (<i>followed by figures in METAR/SPECI and TAF</i>)
P...	Prohibited area (<i>followed by identification</i>)
PA	Precision approach
PALS	Precision approach lighting system (<i>specify category</i>)
PANS	Procedures for air navigation services
PAPI†	Precision approach path indicator
PAR‡	Precision approach radar
PARL	Parallel
PATC...	Precision approach terrain chart (<i>followed by name/title</i>)
PAX	Passenger(s)
PBC	Performance-based communication
PBN	Performance-based navigation
PBS	Performance-based surveillance
PCD	Proceed or proceeding
PCL	Pilot-controlled lighting
PCN	Pavement classification number
PCT	Per cent
PDC‡	Pre-departure clearance
PDG	Procedure design gradient
PER	Performance
PERM	Permanent
PIB	Pre-flight information bulletin
PJE	Parachute jumping exercise
PL	Ice pellets
PLA	Practice low approach
PLVL	Present level
PN	Prior notice required
PNR	Point of no return
PO	Dust/sand whirls (<i>dust devils</i>)
POB	Persons on board
POSS	Possible
PPI	Plan position indicator
PPR	Prior permission required
PPSN	Present position
PRFG	Aerodrome partially covered by fog
PRI	Primary
PRKG	Parking
PROB†	Probability
PROC	Procedure
PROP	Propeller
PROV	Provisional
PRP	Point-in-space reference point
PS	Plus
PSG	Passing
PSN	Position
PSP	Pierced steel plank
PSR‡	Primary surveillance radar
PSYS	Pressure system(s)
PTN	Procedure turn
PTS	Polar track structure
PWR	Power

Q

QDL	Do you intend to ask me for a series of
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	bearings? or I intend to ask you for a series of bearings <i>(to be used in radiotelegraphy as a Q Code)</i>	RASC†	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>
QNH‡	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), class ...at ...hours (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†	Right-hand circuit
		RL	Reclearance in flight
		RLA	Rime <i>(used in aerodrome warnings)</i>
		RLCE	Report leaving
		RLLS	Relay to
		RLNA	Request level change en route
		RMK	Runway lead-in lighting system
		RNAV†	Request level not available
			Remark
			<i>(to be pronounced "AR-NAV")</i> Area navigation
...R	Right <i>(preceded by runway designation number to identify a parallel runway)</i>	RNG	Radio range
R	Rate of turn	RNP‡	Required navigation performance
R	Red	ROBEX†	Regional OPMET bulletin exchange <i>(scheme)</i>
R...	Restricted area <i>(followed by identification)</i>	ROC	Rate of climb
R...	Runway <i>(followed by figures in METAR/ SPECI)</i>	ROD	Rate of descent
R~	Received <i>(acknowledgement of receipt)</i> <i>(to be used in AFS as a procedure signal)</i>	RON	Receiving only
R...	Radial from VOR <i>(followed by three figures)</i>	RPDS	Reference path data selector
RA	Rain	RPI‡	Radar position indicator
RA	Resolution advisory	RPL	Repetitive flight plan
RA*	Radio altimeter	RPLC	Replace or replaced
RAC	Rules of the air and air traffic services	RPS	Radar position symbol
RAG	Ragged	RPT~	Repeat or I repeat <i>(to be used in AFS as a procedure signal)</i>
RAG	Runway arresting gear	RQ~	Request <i>(to be used in AFS as a procedure signal)</i>
RAI	Runway alignment indicator	RQMNTS	Requirements
RAIM†	Receiver autonomous integrity monitor-	RQP	Request flight plan <i>(message type designator)</i>
		RQS	Request supplementary flight plan <i>(message type designator)</i>

RR	Report reaching	SEC	Seconds
RRA	(or RRB, RRC ...etc., in sequence) Delayed meteorological message (message type designator)	SECN	Section
		SECT	Sector
RSC	Rescue sub-centre	SELCAL†	Selective calling system
RSCD	Runway surface condition	SEP	September
RSP‡	Required surveillance performance	SER	Service or servicing or served
RSP	Responder beacon	SEV	Severe (used e.g. to qualify icing and turbulence reports)
RSR	En-route surveillance radar	SFC	Surface
RSS	Root sum square	SG	Snow grains
RTD	Delayed (used to indicate delayed meteorological message; message type designator)	SGL	Signal
		SH...	Shower (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)
RTE	Route		
RTF	Radiotelephone		
RTG	Radiotelegraph		
RTHL	Runway threshold light(s)	SHF	Super high frequency [3 000 to 30 000 MHz]
RTN	Return or returned or returning		
RTODAH	Rejected take-off distance available, helicopter	SI	International system of units
RTS	Return to service	SID†	Standard instrument departure
RTT	Radioteletypewriter	SIF	Selective identification feature
RTZL	Runway touchdown zone light(s)	SIG	Significant
RUT	Standard regional route transmitting frequencies	SIGMET†	Information concerning en-route and other phenomena in the atmosphere that may affect the safety of aircraft operations
RV	Rescue vessel		
RVA	Radar vectoring area	SIMUL	Simultaneous or simultaneously
RVR‡	Runway visual range	SIWL	Single isolated wheel load
RVSM‡	Reduced vertical separation minimum (300 m (1 000 ft)) between FL 290 and FL 410	SKED	Schedule or scheduled
		SLP	Speed limiting point
RWY	Runway	SLW	Slow
		SMC	Surface movement control
		SMR	Surface movement radar
		SN	Snow
		SNOCLO	Aerodrome closed due to snow (used in METAR/SPECI)
S		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	South or southern latitude		
S...	State of the sea (followed by figures in METAR/SPECI)		
SA	Sand		
SALS	Simple approach lighting system		
SAN	Sanitary	SOC	Start of climb
SAR	Search and rescue	SPECI†	Aerodrome special meteorological report (in meteorological code)
SARPS	Standards and Recommended Practices [ICAO]	SPECIAL†	Local special meteorological report (in abbreviated plain language)
SAT	Saturday		
SATCOM†	Satellite communication (used only when referring generally to both voice and data satellite communication or only data satellite communication)	SPI	Special position indicator
		SPL	Supplementary flight plan (message type designator)
SATVOICE†	Satellite voice communication	SPOC SAR	point of contact
SB	Southbound	SPOT†	Spot wind
SBAS†	(to be pronounced "ESS-BAS") Satellite-based augmentation system	SQ	Squall
		SQL	Squall line
SC	Stratocumulus	SR	Sunrise
SCT	Scattered	SRA	Surveillance radar approach
SD	Standard deviation	SRA*	Special Rules Area
SDBY	Stand by	SRE	Surveillance radar element of precision approach radar system
SDF	Step down fix		
SE	South-east	SRG	Short range
SEA	Sea (used in connection with sea-surface temperature and state of the sea)	SRR	Search and rescue region
		SRY	Secondary
SEB	South-eastbound	SRZ*	Special Rules Zone
		SS	Sandstorm

SS	Sunset	THU	Thursday
SSB	Single sideband	TIBA†	Traffic information broadcast by aircraft
SSE	South-south-east	TIL†	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	TLOF	Touchdown and lift-off area
STA	Straight-in approach	TMA‡	Terminal control area
STAR†	Standard instrument arrival	TN...	Minimum temperature (<i>followed by figures in TAF</i>)
STD	Standard	TNA	Turn altitude
STF	Stratiform	TNH	Turn height
STN	Station	TO...	To ...(<i>place</i>)
STNR	Stationary	TOC	Top of climb
STOL	Short take-off and landing	TODA	Take-off distance available
STS	Status	TODAH	Take-off distance available, helicopter
STWL	Stopway light(s)	TOP†	Cloud top
SUBJ	Subject to	TORA	Take-off run available
SUN	Sunday	TOX	Toxic
SUP	Supplement (<i>AIP Supplement</i>)	TP	Turning point
SUPPS	Regional supplementary procedures	TR	Track
SUPP*	Supplement or supplementary	TRA	Temporary reserved airspace
SVC	Service (<i>message type only</i>)	TRANS	Transmits or transmitter
SVCBL	Serviceable	TREND†	Trend forecast
SVFR*	Special Visual Flight Rules	TRL	Transition level
SW	South-west	TRG	Training
SWB	South-westbound	TROP	Tropopause
SWY	Stopway	TS	Thunderstorm (<i>in aerodrome reports and forecasts, TS used alone means thunder heard but no precipitation at the aerodrome</i>)
<hr/>			
T			
T	Temperature	TS...	Thunderstorm (<i>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</i>)
...T	True (<i>preceded by a bearing to indicate reference to True North</i>)	TSUNAMI†	Tsunami (<i>used in aerodrome warnings</i>)
TA	Traffic advisory	TT	Teletypewriter
TA	Transition altitude	TUE	Tuesday
TAA	Terminal arrival altitude	TURB	Turbulence
TACAN†	UHF tactical air navigation aid	T-VASIS†	(<i>to be pronounced "TEE-VASIS"</i>) T
TAF†	Aerodrome forecast (<i>in meteorological code</i>)	TVOR	visual approach slope indicator system
TA/H	Turn at an altitude/height	TWR	Terminal VOR
TAIL†	Tail wind		Aerodrome control tower or aerodrome control
TAR	Terminal area surveillance radar	TWY	Taxiway
TAS	True airspeed	TX...	Maximum temperature (<i>followed by figures in TAF</i>)
TAX	Taxiing or taxi	TXL	Taxilane
TC	Tropical cyclone	TXT~	Text (<i>when the abbreviation is used to request a repetition, the question mark (IMI) precedes the abbreviation, e.g. IMI TXT</i>) (<i>to be used in AFS as a procedure signal</i>)
TCAC	Tropical cyclone advisory centre		
TCAS RA†	(<i>to be pronounced "TEE-CAS-AR-AY"</i>) Traffic alert and collision avoidance system resolution advisory	TYP	Type of aircraft
TCH	Threshold crossing height	TYPH	Typhoon
TCU	Towering cumulus		
TDO	Tornado		
TDZ	Touchdown zone		
TECR	Technical reason		
TEL	Telephone		
TEMPO†	Temporary or temporarily		
TF	Track to fix		
TFC	Traffic		
TGL	Touch-and-go landing		
TGS	Taxiing guidance system		
THR	Threshold		
THRU	Through		
<hr/>			
U			
		U	Upward (<i>tendency in RVR during previous 10 minutes</i>)

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
UIC	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>)		
U/S	Unserviceable		
UTA	Upper control area		
UTC‡	Coordinated Universal Time		
		<hr/> <hr/>	
V		W	
...V...	Variations from the mean wind direction (<i>preceded and followed by figures in METAR/SPECI, e.g. 350V070</i>)	W	West or western longitude
VA	Heading to an altitude	W	White
VA	Volcanic ash	W...	Sea-surface temperature (<i>followed by figures in METAR/SPECI</i>)
VAAC	Volcanic ash advisory centre	WAAS†	Wide area augmentation system
VAC...	Visual approach chart (<i>followed by name/title</i>)	WAC...	World Aeronautical Chart — ICAO 1:1 000 000 (<i>followed by name/title</i>)
VAL	In valleys	WAFc	World area forecast centre
VAN	Runway control van	WB	Westbound
VAR	Magnetic variation	WBAR	Wing bar lights
VAR	Visual-aural radio range	WDI	Wind direction indicator
VASIS	Visual approach slope indicator systems	WDSPR	Widespread
VC...	Vicinity of the aerodrome (<i>followed by FG = fog, FC = funnel cloud, SH = shower, 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</i>)	WED	Wednesday
		WEF	With effect from or effective from
VCY	Vicinity	WGS-84	World Geodetic System — 1984
VDF	Very high frequency direction-finding station	WI	Within
VER	Vertical	WID	Width or wide
VFR‡	Visual flight rules	WIE	With immediate effect or effective immediately
VHF‡	Very high frequency [30 to 300 MHz]	WILCO†	Will comply
VI	Heading to an intercept	WIND	Wind
VIP‡	Very important person	WIP	Work in progress
VIS	Visibility	WKN	Weaken or weakening
VLF	Very low frequency [3 to 30 kHz]	WNW	West-north-west
VLR	Very long range	WO	Without
VM	Heading to a manual termination	WPT	Way-point
VMC‡	Visual meteorological conditions (<i>to be pronounced "VEE-NAV"</i>)	WRNG	Warning
VNAV†		WS	Wind shear
		WSPD	Wind speed
		WSW	West-south-west
		WT	Weight
		WTSPT	Waterspout
		WWW	Worldwide web
		WX	Weather
		WXR	Weather radar
		<hr/> <hr/>	
		X	
		X	Cross
		XBAR	Crossbar (<i>of approach lighting system</i>)
		XNG	Crossing
		XS	Atmospherics

Y

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

Z

Z	Coordinated Universal Time (<i>in meteorological messages</i>)
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