

GEN 2.2 ABBREVIATIONS USED IN AIS PUBLICATIONS

REF ICAO Doc 8400/4, PANS-ABC.

[] Within brackets: symbol of a unit of the international System of Units SI or a non-SI unit used in conjunction with the system

* not in PANS-ABC

† transmitted in RTF as a spoken word

A			
A	Amber	AIRAC	publication
A*	FRA arrival connecting point	AIREP†	Aeronautical information regulation and control
A1A*	A2A, A3E, etc. Designation of typical radio-communication emissions	AIS	Air-report
A/A	Air-to-air	ALA	Aeronautical information services
AAA	or AAB, AAC etc. in sequence, Amended meteorological message	ALERFA†	Lighting area
AAL	Above aerodrome level	ALR	Alert phase
AAU*	Airspace Allocation Unit	ALRS	Alerting (message type designator)
ABM	Abeam	ALS	Alerting service
ABN	Aerodrome beacon	ALT	Approach lighting system
ABV	Above	ALTN	Altitude
AC	Altocumulus	ALTN	Alternate or alternating (<i>light alternates in colour</i>)
ACAS†	Airborne collision avoidance system	AMA	Alternate (aerodrome)
ACC	Area control centre or area control	AMC*	Area minimum altitude
ACCID	Notification of an aircraft accident	AMD	Airspace management cell
ACFT	Aircraft	AMDT	Amend or amended
ACK	Acknowledge	AMS	Amendment (<i>AIP amendment</i>)
ACL	Altimeter check location	ANS	Aeronautical mobile service
ACN	Aircraft classification number	ANSL	Above mean sea level
ACT	Active or activated or activity	AOC	Answer
AD	Aerodrome	AP	Aerodrome obstacle chart
ADA	Advisory area	APAPI†	Airport
ADF	Automatic direction finding equipment	APCH	Abbreviated precision approach path indicator
ADIZ†	Air defence identification zone	APN	Approach
ADJ	Adjacent	APP	Apron
ADR	Advisory route	APP*	Approach control office or approach control or approach control service
ADS-B*	Automatic dependent surveillance-broadcast	APR	Appendix
ADS-C*	Automatic dependent surveillance - contract	APRX	April
ADVS	Advisory service	APSG	Approximate or approximately
ADZ	Advise	APV	After passing
AES	Aircraft earth station	APV*	Approve or approved or approval
AFIL	Flight plan filed in the air	ARNG	Approach with vertical guidance
AFIS	Aerodrome flight information service	ARO	Arrange
AFS	Aeronautical fixed service	ARP	Air traffic services reporting office
AFTN	Aeronautical fixed telecommunication network	ARR	Aerodrome reference point
A/G	Air-to-ground	ARR	Arrive or arrival
AGA	Aerodromes, air routes and ground aids	AS	Arrival (<i>message type designator</i>)
AGL	Above ground level	ASDA	Altostratus
AGN	Again	A-SMGCS*	Accelerate-stop distance available
AIC	Aeronautical information circular	ASP*	Advanced surface movement guidance and control system
AIP	Aeronautical information	ASPH	Airspace
		ASTA*	Asphalt
		ATA	Climatological station
		ATC	Actual time of arrival
		ATD	Air traffic control (<i>in general</i>)
		ATFM	Actual time of departure
		ATIS†	Air traffic flow management
		ATM	Automatic terminal information service
			Air traffic management

ATN	Aeronautical telecommunication network	CCA	or CCB, CCC, etc. in sequence, Corrected meteorological message
ATS	Air traffic services	CD	Candela
ATZ	Aerodrome traffic zone	CDR*	Conditional route
AUG	August	CF	Change frequency to
AUTH	Authorize or authorization	CGL	Circling guidance light(s)
AUW	All up weight	CH	Channel
AVBL	Available	CHEM*	Chemical
AVGAS†	Aviation gasoline	CHG	Modification (<i>message type designator</i>)
AWY	Airway		
AZM	Azimuth	CI	Cirrus
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B			
B	Blue	CIDIN†	Common ICAO data interchange network
BA	Braking action	CIV	Civil
BASE†	Cloud base	CK	Check
BARO-VNAV*†	Barometric vertical navigation (to be pronounced "BAA-RO-VEE-NAV")	CL	Centre line
BAZL*	Federal Office of Civil Aviation (FOCA, OFAC, UFAC)	CLD	Cloud
BCFG	Fog patches	CLG	Calling
BCN	Beacon (<i>aeronautical ground light</i>)	CLR	Clear or cleared to or clearance
BCST	Broadcast	CLSD	Close or closed or closing
BDRY	Boundary	CM [cm]	Centimetre
BFR	Before	CMB	Climb to or climbing to
BKN	Broken	CMPL	Completion or completed or complete
BL ...	Blowing (<i>follow by DU = dust, SA = sand or SN = snow</i>)	CNL	Cancel or cancelled
BLDG	Building	CNL	Flight plan cancellation (<i>message type designator</i>)
BLO	Below clouds	CNS	Communications, navigation and surveillance
BLW	Below...	COM	Communications
BOMB	Bombing	CONC	Concrete
BR	Mist	COND	Condition
BRG	Bearing	CONS	Continuous
BRKG	Braking	CONST	Construction or constructed
B-RNAV*†	Basic RNAV*†	CONT	Continue(s) or continued
BS	Commercial broadcasting station	COORD	Coordinates
BTN	Between	COP	Change-over point
BUFR*	Binary universal form for the representation of meteorological data	COR	Correct or corrected or correction
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C			
C [°C]	Degrees Celsius	COTSENA*	(= KOSIF)
C	Centre (<i>runway identification</i>)	COTSINA*	(= KOSIF)
CAG*	General Aviation Centre (GAC)	COV	Cover or covered or covering
CAT	Clear air turbulence	CPDLC	Controller-pilot data link communications
CAT	Category (<i>in CAT I, II, III operations</i>)	CPL	Current flight plan (<i>message type designator</i>)
CAVOK†	Visibility, cloud and present weather better than prescribed values or conditions (KAV-OH-KAY)	CRS*	Course
CB	(to be pronounced „CEE BEE") Cumulonimbus	CRZ	Cruise
CBA*	Cross border area	CS	Call sign
CC	Cirrocumulus	CS	Cirrostratus
		CTA	Control area
		CTAM	Climb to and maintain
		CTC	Contact
		CTL	Control
		CTN	Caution
		CTR	Control zone
		CU	Cumulus
		CUST	Customs
		CWY	Clearway

D			
D...	Danger area (<i>followed by identification</i>)	EET	Estimated elapsed time
D	Downward (<i>tendency in RVR during previous 10 minutes</i>)	EFB*	Electronic flight bag
D*	FRA departure connecting point	EFC	Expect further clearance
DA	Decision altitude	EFVS*	Enhanced flight vision systems
DABS*	Daily Airspace Bulletin Switzerland	EFVS-A*	EFVS approach
DCT	Direct (<i>in relation to flight plan clearances and type of approach</i>)	EFVS-L*	EFVS landing
DEC	December	ELBA†	Emergency location beacon-aircraft
DEG [°]	Degrees	ELEV	Elevation
DEL*	Delivery, issuance (ATC clearance)	ELT	Emergency location transmitter
DEP	Depart or departure	EM	Emission
DEP	Departure (<i>message type designator</i>)	EMBD	Embedded in a layer (<i>to indicate cumulonimbus embedded in layers of other clouds</i>)
DEPO*	Deposition	EMERG	Emergency
DER	Departure end of the runway	En*	English
DES	Descend to or descending to	END	Stop-end (<i>related to RVR</i>)
DEST	Destination	ENE	East-north-east
DETRESFA†	Distress phase	ENG	Engine
DEV	Deviation or deviating	ENR	En route
DFTI	Distance from touchdown indicator	EOBT	Estimated off-block time
DH	Decision height	EQPT	Equipment
DIF	Diffuse	ENRC	Enroute chart
DIST	Distance	ENRC-FRA*	Enroute chart -Free Route Airspace
DIV	Divert or diverting	ESE	East-south-east
DLA	Delay or delayed	EST	Estimate or estimated or estimation (<i>message type designator</i>)
DME	Distance measuring equipment	ETA	Estimated time of arrival or estimating arrival
DNG	Danger or dangerous	ETD	Estimated time of departure or estimating departure
do/id.*	ditto/idem	ETE*	Summer (<i>summer time period</i>)
DOC*	Designated operational coverage (range and height)	ETO	Estimated time over significant point
DOM	Domestic	EUR RODEX*	European regional OPMET data exchange
DP	Dew point temperature	EV	Every
DPT	Depth	EVS*	Enhanced vision system
DR	Dead reckoning	EXC	Except
DR ...	Low drifting (<i>follow by DU = dust, SA = sand or SN = snow</i>)	EXER	Exercise(s) or exercising or to exercise
DRG	During	EXP	Expect or expected or expecting
DS	Duststorm	EXTD	Extend or extending
DTAM	Descend to and maintain	F	
DTG	Date-time group	F	Fixed
DTHR	Displaced runway threshold	FAC	Facilities
DTW	Dual tandem wheels	FAF	Final approach fix
DU	Dust	FAL	Facilitation of international air transport
DUC	Dense upper cloud	FAP	Final approach point
DUR	Duration	FATO	Final approach and take-off area
DVOR	Doppler VOR	FAX	Facsimile transmission
DW	Dual wheels	FCST	Forecast
DZ	Drizzle	FCT	Friction coefficient
E		FEB	February
E	East or eastern longitude	FG	Fog
E*	FRA horizontal entry point	FIC	Flight information centre
EAT	Expected approach time	FIR	Flight information region
EB	Eastbound		

FIS	Flight information service	GRVL	Gravel
FISA	Automated flight information service	GS	Ground speed
FIZ*	Flight Information Zone	GS	Small hail <i>and/or</i> snow pellets
FL	Flight level	GUND	Geoid undulation
FLD	Field		
FLG	Flashing		
FLT	Flight		
FLW	Follow(s) <i>or</i> following		
FM ...	From (<i>followed by time weather change is forecast to begin</i>)	H24	Continuous day and night service
FMU	Flow management unit	HAPI	Helicopter approach path indicator
FOCA*	Federal Office of Civil Aviation (BAZL, OFAC, UFAC)	HBN	Hazard beacon
FPL	Filed flight plan (<i>message type designator</i>)	HDG	Heading
FPM [ft/min]	Feet per minute	HEL	Helicopter
FPR	Flight plan route	HEMS*	Helicopter Emergency Medical Service
Fr*	French	HF	High frequency (3000 to 30'000 kHz)
FR	Fuel remaining	HGT	Height <i>or</i> height above
FRA	Free Route Airspace	HIV*	Winter (<i>standard time period CET</i>)
FREQ	Frequency	HJ	Sunrise to sunset
FRI	Friday	HLDG	Holding
FRNG	Firing	HN	Sunset to sunrise
FRONT†	Front (<i>relating to weather</i>)	HO	Service available to meet operational requirements
FSS	Flight service station	HOL	Holiday
FT [ft]	Feet (<i>dimensional unit</i>)	HOSP	Hospital aircraft
FTP	Fictitious threshold point	HPA [hPa]	Hectopascal
FU	Smoke	HR [h]	Hours
FZ	Freezing	HRH*	Day and night limit hours (REF GEN 2.7)
FZDZ	Freezing drizzle	HRP	Heliport reference point
FZFG	Freezing fog	HS	Service available during hours of scheduled operations
FZRA	Freezing rain	HUD	Head-up display
	G	HVY	Heavy
G	Green	HX	No specific working hours
G/A	Ground-to-air	HYR	Higher
GAC*	General Aviation Centre (CAG)	HZ	Haze
GAFOR*	General aviation forecast	HZ [Hz]	Hertz
GAIN	Airspeed or headwind gain		
GBAS†	Ground-based augmentation system (to be pronounced "GEE-BAS")		
GCA	Ground controlled approach system <i>or</i> ground controlled approach		
Ge*	German		
GEN	General		
GEO	Geographic <i>or</i> true		
GES	Ground earth station		
GLD	Glider		
GLS	GBAS landing system	ICAO*	International Civil Aviation Organization
GND	Ground	ID	Identifier <i>or</i> identify
GNDCK	Ground check	IDENT†	Identification
GNSS	Global navigation satellite system	IF	Intermediate approach fix
GP	Glide path	IFF	Identification friend/foe
GR	Hail	IFR	Instrument flight rules
GRASS	Grass landing area	IGS*	Instrument guidance system

H

I

ILS	Instrument landing system	LIM	Light intensity medium
IM	Inner marker	LM	Locator, middle
IMC	Instrument meteorological conditions	LMT	Local mean time
IMG	Immigration	LNAV	Lateral navigation
INA	Initial approach	LO	Locator, outer
INBD	Inbound	LOC	Localizer
INCERFA†	Uncertainty phase	LONG [°]	Longitude
INFO†	Information	LOSS	Airspeed or headwind loss
INOP	Inoperative	LPV	Localizer performance with vertical guidance
INS	Inertial navigation system	LT*	Swiss time/local time
INT	Intersection	LTD	Limited
INTL	International	LTP	Landing threshold point
INTST	Intensity	LTT	Landline teletypewriter
IR	Ice on runway	LV	Light and variable (<i>relating to wind</i>)
ISA	International standard atmosphere	LVE	Leave or leaving
It*	Italian	LVL	Level
J		LVO*	Low visibility operations
JAA*	Joint Aviation Authorities	LVP	Low visibility procedures
JAN	January	M	
JTST	Jet stream	M [m]	Metres (<i>preceded by figures</i>)
JUL	July	M	Mach number (<i>followed by figures</i>)
JUN	June	MA*	Chart of air masses
K		MAA	Maximum authorized altitude
KG [kg]	Kilograms	MAG	Magnetic
KHZ [kHz]	Kilohertz	MAINT	Maintenance
KM [km]	Kilometres	MAP	Aeronautical maps and charts
KMH [km/h]	Kilometres per hour	MAPT	Missed approach point
KOSIF*	Coordination office for firings and safety of air navigation	MAR	March
KPA [kPa]	Kilopascal	MAX	Maximum
KT [kt]	Knots	MAY	May
KW [kw]	Kilowatts	MCA	Minimum crossing altitude
L		MDA	Minimum descent altitude
L	Left (<i>runway identification</i>)	MDH	Minimum descent height
L	Litre	MEA	Minimum en-route altitude
L	Locator (LO)	MEHT	Minimum eye height over threshold (<i>for VASIS</i>)
LAT [°]	Latitude	MET†	Meteorological or meteorology
LC*	Landing chart	METAR†	Aerodrome routine meteorological report (<i>in aeronautical meteorological code</i>)
LCA	Locally or local or location or located	MF	Medium frequency (300 to 3'000 kHz)
LDA	Landing distance available	MHZ [MHz]	Megahertz
LDAH	Landing distance available, helicopter	MID	Mid-point (<i>related to RVR</i>)
LDG	Landing	MIL	Military
LDI	Landing direction indicator	MIN [min]	Minutes
LED*	Light-emitting diode	MKR	Marker radio beacon
LEN	Length	MLAT*	Multilateration
LF	Low frequency (30 to 300 kHz)	MLS	Microwave landing system
LFHK*	Chart of Air Navigation Obstacles (ONAV)	MM	Middle marker
LFN*	Low Flight Network	MNM	Minimum
LGT	Light or lighting	MNT	Monitor or monitoring or monitored
LGTD	Lighted	MOA	Military operating area
LIH	Light intensity high	MOC	Minimum obstacle clearance (<i>required</i>)
LIL	Light intensity low	MOCA	Minimum obstacle clearance altitude

MON	Monday	OAS	Obstacle assessment surface
MPS [m/s]	Metres per second	OBS	Observe <i>or</i> observed <i>or</i> observation
MRA	Minimum reception altitude	OBST	Obstacle
MRP	ATS/MET reporting point	OCA	Obstacle clearance altitude
MS	Minus	OCC	Occulting (<i>light</i>)
MSA	Minimum sector altitude	OCH	Obstacle clearance height
MSG	Message	OCNL	Occasional <i>or</i> occasionally
MSL	Mean sea level	OCS	Obstacle clearance surface
MT	Mountain	OCT	October
MTOM*	Maximum take-off mass		
MWO	Meteorological watch office	OFAC*	Federal Office of Civil Aviation (BAZL, FOCA, UFAC)
N		OHD	Overhead
N	North <i>or</i> northern latitude	OM	Outer marker
N	No distinct tendency (<i>in RVR during previous 10 minutes</i>)	ONAV*	Air Navigation Obstacle Chart including Glider Flying Information (LFHK)
NAT	North Atlantic	OPMET†	Operational meteorological (<i>information</i>)
NAV	Navigation	OPN	Open <i>or</i> opening <i>or</i> opened
NB	Northbound	OPR	Operator <i>or</i> operate <i>or</i> operative <i>or</i> operating <i>or</i> operational
NBFR	Not before	OPST	Operations
NC	No change	O/R	On request
NDB	Non-directional radio beacon	OTS	Organized track system
NE	North-east	OUBD	Outbound
NEB	North-eastbound	P	
NEG	No <i>or</i> negative <i>or</i> permission not granted <i>or</i> that is not correct	P ...	Prohibited area (<i>followed by identification</i>)
NGT	Night	PALS	Precision approach lighting system (<i>specify CAT</i>)
NIL†	None <i>or</i> I have nothing to send to you	PANS	Procedures for air navigation services
NM [M]	Nautical miles	PAPI†	Precision approach path indicator
NML	Normal	PAR	Precision approach radar
NN	No name, unnamed	PARL	Parallel
NNE	North-north-east	PAX	Passengers
NNW	North-north-west	PBN	Performance-based navigation
NOF	International NOTAM office	PCD	Proceed <i>or</i> proceeding
NOSIG†	No significant change (<i>used in trend-type landing forecasts</i>)	PCN	Pavement classification number
NOTAM†	A notice containing information concerning the establishment, condition <i>or</i> change in any aeronautical facility, service, procedure <i>or</i> hazard, the timely knowledge of which is essential to personnel concerned with flight operations	PDG	Procedure design gradient
NOV	November	PER	Performance
NR	Number	PERM	Permanent
NRH	No reply heard	PJE	Parachute jumping exercise
NS	Nimbostratus	PLN	Flight plan
NSC	Nil significant cloud	PLVL	Present level
NSW	Nil significant weather	PN	Prior notice required
NVFR*	VFR by night	POB	Persons on board
NW	North-west	POSS	Possible
NWB	North-westbound	PPI	Plan position indicator
O		PPR	Prior permission required
OACI*	ICAO	PPSN	Present position
		PRI	Primary
		PRKG	Parking
		P-RNAV*†	Precision RNAV
		PROB†	Probability

PROC	Procedure	ERTE	Re-route
PROV	Provisional	RESA	Runway end safety area
PS	Plus	RETIL*	Rapid Exit Taxiway Indicator Lights
PSG	Passing	RF	Constant radius arc to a fix
PSN	Position	RFP*	Replacement or replaced flight plan
PSP	Pierced steel plank	RG	Range (lights)
PTN	Procedure turn	RGL*	Runway Guard Light
PTS	Polar track structure	RIF	Reclearance in flight
PWR	Power	RL	Report leaving
		RLA	Relay to...
		RLLS	Runway lead-in lighting system
		RMK	Remark
		RMZ	Radio Mandatory Zone
		RNAV†	Area navigation (to be pronounced AR NAV)
		RNG	Radio range
		RNP	Required navigation performance
		ROBEX†	Regional OPMET bulletin exchange (scheme)
		ROC	Rate of climb
		ROD	Rate of descent
		RON	Receiving only
		RPI	Reference path identifier
		RPL	Repetitive flight plan
		RPLC	Replace or replaced
		RPS	Radar position symbol
		RR	Report reaching
		RRA	(or RRB, RRC, etc. in sequence) Delayed meteorological message (message type designator)
		RSC	Rescue sub-centre
		RSCD	Runway surface condition
		RSP	Responder beacon
		RTD	Delayed (used to indicate delayed meteorological message; message type designator)
		RTE	Route
		RTF	Radiotelephone
		RTG	Radiotelegraph
		RTHL	Runway threshold light(s)
		RTIL*	Runway threshold identification light(s)
		RTS	Return to service
		RTT	Radioteletypewriter
		RTZL	Runway touchdown zone light(s)
		RUT	Standard regional route transmitting frequencies
		RV	Rescue vessel
		RVR	Runway visual range
		RVSM	Reduced vertical separation minimum
		RWY	Runway
			S
		S	South or southern latitude
		S1 - S5*	Ground service
		SA CAT I*	Special authorisation category I
		SA CAT II*	Special authorisation category II
		SALS	Simple approach lighting system
			Q
QDM	Magnetic heading (zero wind)		
QDR	Magnetic bearing		
QFE	Atmospheric pressure at aerodrome elevation (or at runway threshold)		
QFU	Magnetic orientation of runway		
QNH	Altimeter sub-scale setting to obtain elevation when on the ground		
QTE	True bearing		
			R
R	Red		
R	Right (Runway identification)		
R ...	Restricted area (followed by identification)		
R ...*	VOR Radial (followed by number of degrees)		
RA	Rain		
RAC	Rules of the air and air traffic services		
RAD*	Route Availability Document		
RAFC*	Regional area forecast centre		
RB	Rescue boat		
RCC	Rescue coordination centre		
RCF	Radiocommunication failure (message type designator)		
RCH	Reach or reaching		
RCL	Runway centre line		
RCLL	Runway centre line light(s)		
RCLR	Recleared		
RCP	Required communication performance		
RDH	Reference datum height		
RDL	Radial		
RDO	Radio		
RE ...	Recent (used to qualify weather phenomena, e.g. RERA = recent rain)		
REC	Receive or receiver		
REDL	Runway edge light(s)		
REF	Reference to... or refer to...		
REG	Registration		
RENL	Runway end light(s)		
REP	Report or reporting or reporting point		
REQ	Request or requested		

	by name/title)
WAFC	World area forecast centre
WB	Westbound
WBAR	Wing bar lights
WDI	Wind direction indicator
WDSPR	Widespread
WED	Wednesday
WEF	With effect from <i>or</i> effective from
WGS-84	World Geodetic System-1984
WID	Width
WIE	With immediate effect <i>or</i> effective immediately
WILCO†	Will comply
WIP	Work in progress
WKN	Weaken <i>or</i> weakening
WNW	West-north-west
WO	Without
WPT	Way-point
WRNG	Warning
WS	Wind shear
WSW	west-south-west
WT	Weight
WX	Weather

X

X	Cross
X*	FRA horizontal exit point
XBAR	Crossbar (of approach lighting system)
XNG	Crossing

Y

Y	Yellow
YCZ	Yellow caution zone (runway lighting)
YR	Your

Z

Z	Coordinated universal time (<i>in meteorological messages</i>)
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