

## 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

<b>A</b>			
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 (light alternates in colour)
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 (AIP amendment)
ACL	Altimeter check location	ANS	Aeronautical mobile service
ACN	Aircraft classification number	ANSL	Above mean sea level
ACT	Active or activated or activity	ANS	Answer
AD	Aerodrome	AOC	Aerodrome obstacle chart
ADA	Advisory area	AP	Airport
ADF	Automatic direction finding equipment	APAPI†	Abbreviated precision approach path indicator
ADIZ†	Air defence identification zone	APCH	Approach
ADJ	Adjacent	APP	Approach control office or approach control or approach control service
ADR	Advisory route	APP*	Appendix
ADS-B*	Automatic dependent surveillance-broadcast	APR	April
ADS-C*	Automatic dependent surveillance - contract	APRX	Approximate or approximately
ADVS	Advisory service	APSG	After passing
ADZ	Advise	APV	Approve or approved or approval
AES	Aircraft earth station	APV*	Approach with vertical guidance
AFIL	Flight plan filed in the air	ARNG	Arrange
AFIS	Aerodrome flight information service	ARO	Air traffic services reporting office
AFS	Aeronautical fixed service	ARP	Aerodrome reference point
AFTN	Aeronautical fixed telecommunication network	ARR	Arrive or arrival
A/G	Air-to-ground	ARR	Arrival (message type designator)
AGA	Aerodromes, air routes and ground aids	AS	Altostratus
AGL	Above ground level	ASDA	Accelerate-stop distance available
AGN	Again	A-SMGCS*	Advanced surface movement guidance and control system
AIC	Aeronautical information circular	ASP*	Airspace
AIP	Aeronautical information	ASPH	Asphalt
		ASTA*	Climatological station
		ATA	Actual time of arrival
		ATC	Air traffic control (in general)
		ATD	Actual time of departure
		ATFM	Air traffic flow management
		ATIS†	Automatic terminal information service
		ATM	Air traffic management
		ATN	Aeronautical telecommunication network

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

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



IMG	Immigration	LONG [°]	Longitude
INA	Initial approach	LOSS	Airspeed or headwind loss
INBD	Inbound	LPV	Localizer performance with vertical guidance
INCERFA†	Uncertainty phase		
INFO†	Information	LT*	Swiss time/local time
INOP	Inoperative	LTD	Limited
INS	Inertial navigation system	LTT	Landline teletypewriter
INT	Intersection	LV	Light and variable ( <i>relating to wind</i> )
INTL	International	LVE	Leave or leaving
INTST	Intensity	LVL	Level
IR	Ice on runway	LVO*	Low visibility operations
ISA	International standard atmosphere	LVP	Low visibility procedures
It*	Italian		

<b>J</b>		<b>M</b>	
JAA*	Joint Aviation Authorities	M [m]	Metres ( <i>preceded by figures</i> )
JAN	January	M	Mach number ( <i>followed by figures</i> )
JTST	Jet stream	MA*	Chart of air masses
JUL	July	MAA	Maximum authorized altitude
JUN	June	MAG	Magnetic
		MAINT	Maintenance
		MAP	Aeronautical maps and charts
		MAPT	Missed approach point
		MAR	March
		MAX	Maximum
		MAY	May
		MCA	Minimum crossing altitude
		MDA	Minimum descent altitude
		MDH	Minimum descent height
		MEA	Minimum en-route altitude
		MEHT	Minimum eye height over threshold ( <i>for VASIS</i> )
		MET†	Meteorological or meteorology
		METAR†	Aerodrome routine meteorological report ( <i>in aeronautical meteorological code</i> )
		MF	Medium frequency (300 to 3'000 kHz)
		MHZ [MHz]	Megahertz
		MID	Mid-point ( <i>related to RVR</i> )
		MIL	Military
		MIN [min]	Minutes
		MKR	Marker radio beacon
		MLAT*	Multilateration
		MLS	Microwave landing system
		MM	Middle marker
		MNM	Minimum
		MNT	Monitor or monitoring or monitored
		MOA	Military operating area
		MOC	Minimum obstacle clearance ( <i>required</i> )
		MOCA	Minimum obstacle clearance altitude
		MON	Monday
		MPS [m/s]	Metres per second
		MRA	Minimum reception altitude
		MRP	ATS/MET reporting point
		MS	Minus
		MSA	Minimum sector altitude
		MSG	Message

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

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
		RPL	Repetitive flight plan
		RPLC	Replace <i>or</i> replaced
		RPS	Radar position symbol
		RR	Report reaching
		RRA	( <i>or RRB, RRC, etc. in sequence</i> ) Delayed meteorological message ( <i>message type designator</i> )
		RSC	Rescue sub-centre
		RSCD	Runway surface condition
		RSP	Responder beacon
		RTD	Delayed ( <i>used to indicate delayed meteorological message; message type designator</i> )
		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
			<b>S</b>
		S	South <i>or</i> southern latitude
		S1 - S5*	Ground service
		SALS	Simple approach lighting system
		SAN	Sanitary
		SAR	Search and rescue
		SARPS	Standards and Recommended Practices (ICAO)
		SAT	Saturday
		SB	Southbound
		SBAS†	Satellite-based augmentation system (to be pronounced "ESS-BAS")
		SC	Stratocumulus
	<b>Q</b>		
QDM	Magnetic heading ( <i>zero wind</i> )		
QDR	Magnetic bearing		
QFE	Atmospheric pressure at aerodrome elevation ( <i>or at runway threshold</i> )		
QFU	Magnetic orientation of runway		
QNH	Altimeter sub-scale setting to obtain elevation when on the ground		
QTE	True bearing		
	<b>R</b>		
R	Red		
R	Right ( <i>Runway identification</i> )		
R ...	Restricted area ( <i>followed by identification</i> )		
R ...*	VOR Radial ( <i>followed by number of degrees</i> )		
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 ( <i>message type designator</i> )		
RCH	Reach <i>or</i> 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 ( <i>used to qualify weather phenomena, e.g. RERA = recent rain</i> )		
REC	Receive <i>or</i> receiver		
REDL	Runway edge light(s)		
REF	Reference to... <i>or</i> refer to...		
REG	Registration		
RENL	Runway end light(s)		
REP	Report <i>or</i> reporting <i>or</i> reporting point		
REQ	Request <i>or</i> requested		
ERTE	Re-route		
RESA	Runway end safety area		
RETIL*	Rapid Exit Taxiway Indicator Lights		
RF	Constant radius arc to a fix		
RFP*	Replacement <i>or</i> replaced flight plan		
RG	Range (lights)		
RGL*	Runway Guard Light		

SCT	Scattered	SSW	South-south-west
SE	South-east	ST	Stratus
SEB	South-eastbound	STA	Straight-in approach
SEC [s]	Seconds	STAR†	Standard instrument arrival
SECT	Sector	STD	Standard
SELCAL†	Selective calling system	STN	Station
SEP	September	STOL	Short take-off and landing
SER	Service <i>or</i> servicing <i>or</i> served	STS	Status
SFC	Surface	STWL	Stopway light(s)
SFR*	Special flight route	SUBJ	Subject to
SG	Snow grains	SUN	Sunday
SGL	Signal	SUP	Supplement ( <i>AIP Supplement</i> )
SH ...	Showers ( <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> )	SVC	Service message
		SVCBL	Serviceable
		SVFR*	Special VFR
		SVID*	Standard visual/instrument departure
		SW	South-west
SHF	Super high frequency (3'000 to 30'000 MHz)	SWB	South-westbound
		SWY	Stopway

**T**

SID†	Standard instrument departure	T	Temperature
SIGMET†	Information concerning en-route weather phenomena which may affect the safety of aircraft operations	...T	True ( <i>preceded by a bearing to indicate reference to True North</i> )
		TA	Transition altitude
SIWL	Single isolated wheel load	TACAN†	UHF tactical air navigation aid
SKED	Schedule <i>or</i> scheduled	TAF†	Aerodrome forecast
SLP	Speed limiting point	TAIL†	Tail wind
SMR	Surface movement radar	TAS	True airspeed
SN	Snow	TAX	Taxiing <i>or</i> taxi
SNOWTAM†	A special series NOTAM notifying the presence <i>or</i> removal of hazardous conditions due to snow, ice, slush <i>or</i> standing water associated with snow, slush and ice on the movement area, by means of a specific format	TC	Terminal control centre*
		TCU	Towering cumulus
		TDZ	Touchdown zone
		TEL	Telephone
		TEMPO†	Temporary <i>or</i> temporarily
SPEC†	Aviation selected special weather report ( <i>in aeronautical meteorological code</i> )	TFC	Traffic
		TGL*	Temporary guidance leaflet
		TGS	Taxiing guidance system
SPECIAL†	Local special meteorological report ( <i>in abbreviated plain language</i> )	THR	Threshold
		THRU	Through
SPL	Supplementary flight plan ( <i>message type designator</i> )	THU	Thursday
		TIL†	Until
SPOC	SAR point of contact	TIP	Until past... (place)
SPOT†	Spot wind	TKOF	Take-off
SQ	Squall	TL ...	Till ( <i>followed by time by which weather change is forecast to end</i> )
SR	Sunrise	TLOF	Touchdown and lift-off area
SRA	Surveillance radar approach	TMA	Terminal control area
SRE	Surveillance radar element of precision approach radar system	TMM*	Transmissometer (RVR)
		TMZ	Transponder Mandatory Zone
SRG	Short range	TNA	Turn altitude
SRR	Search and rescue region	TNH	Turn height
SRY	Secondary	TOC	Top of climb
SS	Sunset	TODA	Take-off distance available
SSB	Single sideband	TODAH	Take-off distance available, helicopter
SSE	South-south-east	TOP†	Cloud top
SSR	Secondary surveillance radar		
SST	Supersonic transport		



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	immediately
WILCO†	Will comply
WIP	Work in progress
WKN	Weaken or weakening
WNW	West-north-west
WO	Without
WPT	Way-point
WRNG	Warning
WS	Wind shear
WSW	west-south-west
WT	Weight
WX	Weather

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**X**

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

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**Y**

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

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**Z**

Z	Coordinated universal time (in meteorological messages)
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