## 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.

		ADVS	Advisory service
Α		ADZ	Advise
^	A la	AES	Aircraft earth station
A	Amber	AFIL	Flight plan filed in the air
AAA	Amended meteorological message	AFIS	Aerodrome flight information service
A / A	(message type designator)	AFM	Yes or affirm or affirmative or that is cor-
A/A	Air-to-air		rect
AAD	Assigned altitude deviation	AFS	Aeronautical fixed service
AAIM	Aircraft autonomous integrity monitor-	AFT	After(time or place)
	ing	AFTN‡	Aeronautical fixed telecommunication
AAL	Above aerodrome level	7 ··· · · · · · · · · · · · · · · · · ·	network
AAR	Air to air refueling	A/G	Air-to-ground
ABI	Advance boundary information	AGA	Aerodromes, air routes and ground aids
ABM	Abeam	AGL	Above ground level
ABN	Aerodrome beacon	AGN	Again
ABT	About	AIC	
ABV	Above	AIDC	Aeronautical information circular
AC	Altocumulus	AIDC	Air traffic services interfacility data com- munications
ACARS†	(to be pronounced "AY-CARS") Aircraft	AIM	Aeronautical information management
	communication addressing and report-	AIP	Aeronautical information management Aeronautical information publication
	ing system	AIRAC	
ACAS†	Airborne collision avoidance system	AIRAC	Aeronautical information regulation and
ACC‡	Area control centre or area control	VIDED+	control
ACCID	Notification of an aircraft accident	AIREP†	Air-report
ACFT	Aircraft	AIRMET†	Information concerning en-route weath-
ACK	Acknowledge		er phenomena which may affect the
ACL	Altimeter check location	410	safety of low-level aircraft operations
ACN	Aircraft classification number	AIS	Aeronautical information services
ACP	Acceptance (message type designator)	ALA	Alighting area
ACPT	Accept or accepted	ALERFA†	Alert phase
ACT	Active or activated or activity	ALR	Alerting (message type designator)
AD	Aerodrome	ALRS	Alerting service
ADA	Advisory area	ALS	Approach lighting system
ADC	Aerodrome chart	ALT	Altitude
ADDN	Addition or additional	ALTN	Alternate or alternating (light alternates
ADF‡	Automatic direction-finding equipment		in colour)
ADIZ†	(to be pronounced "AY-DIZ") Air de-	ALTN	Alternate <i>(aerodrome)</i>
ADIZ	fense identification zone	AMA	Area minimum altitude
ADJ		AMD	Amend or amended (used to indicate
	Adjacent		amended meteorological message;
ADO	Advisory route		message type designator)
ADR	Advisory route	AMDT	Amendment (AIP Amendment)
ADS~	The address (when this abbreviation is	AMS	Aeronautical mobile service
	used to request a repetition, the ques-	AMSL	Above mean sea level
	tion mark (IMI) precedes the abbrevia-	AMSS	Aeronautical mobile satellite service
	tion, e.g. IMI ADS) (to be used in AFS	ANC	Aeronautical chart — 1:500 000 (fol-
400 D.I	as a procedure signal)		lowed by name/title)
ADS-B‡	Automatic dependent surveillance —	ANCS	Aeronautical navigation chart — small
10001	broadcast	-	scale (followed by name/title and scale)
ADS-C‡	Automatic dependent surveillance —	ANS	Answer
	contract		
ADSU	Automatic dependent surveillance unit	AOC	Aerodrome obstacle chart (followed by

	type and name/title)	AWTA	Advise at what time able
AO	Aircraft operator	AWY	Airway
AP	Airport .	AZM	Azimuth
APAPI†	(to be pronounced "AY-PAPI") Abbrevi-		
	ated precision approach path indicator		
APCH	Approach		
APDC	Aircraft parking/docking chart (followed	В	
	by name/title)		Dhue
APN	Apron	B BA	Blue
APP	Approach control office or approach	BARO-VNAV†	Braking action Barometric vertical navigation <i>(to be</i>
	control or approach control service	DANO-VINAV J	pronounced "BAA-RO-VEE-NAV")
APR	April	BASE†	Cloud base
APRX	Approximate or approximately	BCFG	Fog patches
APSG	After passing	BCN	Beacon (aeronautical ground light)
APU	Auxiliary power unit	BCST	Broadcast
APV	Approach procedure with vertical guid-	BDRY	Boundary
400	ance	BECMG	Becoming
ARC	Area chart	BFR	Before
ARNG	Arrange	BKN	Broken
ARO ARP	Air traffic services reporting office Aerodrome reference point	BL	Blowing (followed by DU = dust, SA =
ARP	·		sand or SN = snow)
ARQ	Air-report (message type designator) 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 desig-	BOMB	Bombing
71110	nator)	BR	Mist
ARST	Arresting (specify (part of) aircraft ar-	BRF	Short (used to indicate the type of ap-
,	resting equipment)		proach desired or required)
AS	Altostratus	BRG	Bearing
ASAP	As soon as possible	BRKG	Braking
ASC	Ascend to or ascending to	BS	Commercial broadcasting station
ASDA	Accelerate-stop distance available	BTL	Between layers
ASE	Altimetry system error	BTN	Between
ASPEEDGAIN	Airspeed or headwind gain	BUFR	Binary universal form for the rep-
<b>ASPEEDLOSS</b>	Airspeed or headwind loss		resentation of meteorological data
ASPH	Asphalt		
AT	At (followed by time at which weather		
	change is forecast to occur)	_	
ATA‡	Actual time of arrival	С	
ATC‡	Air traffic control (in general)	C	Centre (preceded by runway designa-
ATD‡	Actual time of departure		tion number to identify a parallel run-
ATFM	Air traffic flow management		way)
ATIS†	Automatic terminal information service	С	Degrees Celsius (Centigrade)
ATM	Air traffic management	CA	Course to an altitude
ATN	Aeronautical telecommunication net-	CAA	Civil Aviation Authority or Civil Aviation
ATD	Work		Administration
ATP ATS	At(time or place) Air traffic services	CAT	Category
ATTN	Attention	CAT	Clear air turbulence
AT-VASIS†	(to be pronounced "AY-TEE-VASIS")	CAVOK†	(to be pronounced "KAV-OH-KAY") Vis-
AI-VASIS	Abbreviated T visual approach slope in-		ibility, cloud and present weather better
	dicator system		than prescribed values or conditions
ATZ	Aerodrome traffic zone	CB‡	(to be pronounced "CEE BEE") Cumu-
AUG	August		lonimbus
AUTH	Authorized or authorization	CC	Cirrocumulus
AUTO	Automatic	CCA	(or CCB, CCCetc., in sequence) Cor-
AUW	All up weight		rected meteorological message (mes-
AUX	Auxiliary	000	sage type designator)
AVBL	Available or availability	CCO	Continuous climb operations
AVG	Average	CD	Candela
AVGAS†	Aviation gasoline	CDN	Coordination (message type designa-
AWOS	Automated Weather Observation Sys-	CDO	tor) Continuous descent operations
	tem	CDC	Conditional route
		JUIN	Conditional route

CF	Change frequency to	CTL	Control
CF	Course to a fix	CTN	Caution
CFM~	Confirm or I confirm (to be used in AFS	CTR	Control zone
	as a procedure signal)	CU	Cumulus
CGL	Circling guidance light(s)	CUF	Cumuliform
СН	Channel	CUST	Customs
CH#	This is a channel-continuity-check of	CVFR*	Controlled VFR
	transmission to permit comparison of	CVR	Cockpit voice recorder
	your record of channel-sequence num-	CW	Continuous wave
	bers of messages received on the	CWY	Clearway
	channel (to be used in AFS as a proce-	0111	o loui way
	dure signal)		
CHEM	Chemica <b>l</b>		
CHG	Modification (message type designator)	D	
CI	Cirrus		
CIDIN†	Common ICAO data interchange net-	D	Downward (tendency in RVR during
OBIN	work		previous 10 minutes)
CIV/		D	Danger area (followed by identification)
CIV	Civil	DA	Decision altitude
CK	Check		
CL	Centre line	D-ATIS†	(to be pronounced "DEE-ATIS") Data
CLA	Clear type of ice formation		link automatic terminal information ser-
CLBR	Calibration		vice
CLD	Cloud	DCD	Double channel duplex
		DCKG	Docking
CLG	Calling	DCP	Datum crossing point
CLIMB-OUT	Climb-out area	DCPC	
CLR	Clear(s) or cleared toor clearance		Direct controller-pilot communications
CLRD	Runway(s) cleared (used in METAR/	DCS	Double channel simplex
	SPECI)	DCT	Direct (in relation to flight plan clearanc-
CLSD	Close or closed or closing		es and type of approach)
CM		DE~	From (used to precede the call sign of
	Centimetre		the calling station) (to be used in AFS
CMB	Climb to or climbing to		
CMPL	Completion or completed or complete	DEO	as a procedure signal)
CNL	Cancel or cancelled	DEC	December
CNL	Flight plan cancellation (message type	DEG	Degrees
	designator)	DEP	Depart or departure
CNS	Communications, navigation and sur-	DEP	Departure (message type designator)
CNS		DEPO	Deposition
	veillance	DER	Departure end of the runway
COM	Communications	DES	
CONC	Concrete		Descend to or descending to
COND	Condition	DEST	Destination
CONS	Continuous	DETRESFA†	Distress phase
CONST	Construction or constructed	DEV	Deviation or deviating
CONT	Continue(s) or continued	DF	Direction finding
		DFDR	Digital flight data recorder
COOR	Coordinate or coordination	DFTI	Distance from touchdown indicator
COORD	Coordinates		
COP	Change-over point	DH	Decision height
COR	Correct or correction or corrected (used	DIF	Diffuse
	to indicate corrected meteorological	DIST	Distance
	message; message type designator)	DIV	Divert or diverting
007		DLA	Delay or delayed
COT	At the coast	DLA	Delay (message type designator)
COV	Cover or covered or covering		• • • • • • • • • • • • • • • • • • • •
CPDLC‡	Controller-pilot data link communica-	DLIC	Data link initiation capability
	tions	DLY	Daily
CPL	Current flight plan (message type des-	DME‡	Distance measuring equipment
z. –	ignator)	DNG	Danger or dangerous
CBC	• ,	DOF	Date Of Flight
CRC	Cyclic redundancy check	DOM	Domestic
CRM	Collision risk model	DP	
CRP	Compulsory reporting point		Dew point temperature
CRZ	Cruise	DPT	Depth
CS	Call sign	DR	Dead reckoning
CS	Cirrostratus	DR	Low drifting (followed by DU = dust, SA
CTA	Control area		= sand or SN = snow)
		DRG	During
CTAM	Climb to and maintain	DS	Duststorm
CTC	Contact	20	Dagiolomi

DSB DTAM DTG DTHR DTRT DTW DU DUC DUPE#	Double sideband Descend to and maintain Date-time group Displaced runway threshold Deteriorate or deteriorating Dual tandem wheels Dust Dense upper cloud This is a duplicate message (to be used in AFS as a procedure signal)	EXC EXER EXP EXTD	Except Exercises or exercising or to exercise Expect or expected or expecting Extend or extending or Extended  Fixed
DUR D-VOLMET	Duration Data link VOLMET	FA FAC	Course from a fix to an altitude Facilities
DVOR	Doppler VOR	FAF FAL	Final approach fix Facilitation of international air transport
DW DZ	Dual wheels Drizzle	FAP	Final approach point
		FAS FATO	Final approach segment Final approach and take-off area
		FAX	Facsimile transmission
E		FBL	Light (used to indicate the intensity of weather phenomena, interference or
E	East or eastern longitude		static reports, e.g. FBL RA = light rain)
EAT EB	Expected approach time Eastbound	FC FCST	Funnel cloud (tornado or water spout) Forecast
EDA	Elevation differential area	FCT	Friction coefficient
EDTO	Extended diversion time operations	FDPS	Flight data processing system
EEE#	Error (to be used in AFS as a procedure signal)	FEB FEW	February Few
EET	Estimated elapsed time	FG	Fog
EFC	Expect further clearance	FIC	Flight information centre
EFIS†	(to be pronounced "EE-FIS") Electronic flight instrument system	FIR‡ FIS	Flight information region Flight information service
EGNOS†	(to be pronounced "EGG-NOS") Euro-	FISA	Automated flight information service
·	pean geostationary navigation overlay	FL	Flight level
EHF	service Extremely high frequency [30 000 to	FLD FLG	Field Flashing
	300 000 MHz]	FLR	Flares
ELBA†	Emergency location beacon — aircraft	FLT	Flight
ELEV	Elevation	FLTCK	Flight check
ELR ELT	Extra long range Emergency locator transmitter	FLUC FLW	Fluctuating or fluctuation or fluctuated Follow(s) or following
EM	Emission	FLY	Fly or flying
EMBD	Embedded in a layer (to indicate cumu-	FM	Course from a fix to manual termination
	lonimbus embedded in layers of other	<b>□N</b> 4	(used in navigation database coding)
EMERG	clouds) Emergency	FM FM	From From (followed by time weather change
END	Stop-end (related to RVR)		is forecast to begin)
ENE	East-north-east	FMC	Flight management computer
ENG ENR	Engine En route	FMS‡ FMU	Flight management system Flow management unit
ENRC	Enroute chart (followed by name/title)	FNA	Final approach
EOBT	Estimated off-block time	FPAP	Flight path alignment point
EQPT	Equipment	FPL	Flight plan
ESE EST	East-south-east Estimate or estimated or estimation	FPU FPM	Fix Power Unit Feet per minute
201	(message type designator)	FPR	Flight plan route
ETA~‡	Estimated time of arrival or estimating	FR	Fuel remaining
ETD+	arrival	FREQ FRI	Frequency
ETD‡	Estimated time of departure or estimating departure	FRNG	Friday Firing
ETO	Estimated time over significant point	FRONT†	Front (relating to weather)
EUR RODEX	European regional OPMET data ex-	FROST†	Frost (used in aerodrome warnings)
EV	change Every	FRQ FSL	Frequent Full stop landing
EVS	Enhanced vision system	FSS	Flight service station

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FST	First		
FT	Feet (dimensional unit)	Н	
FTE	Flight technical error		
FTP	Fictitious threshold point	Н	High pressure area or the centre of high
FTT	Flight technical tolerance		pressure
FU	Smoke	Н	Significant wave height (followed by fig-
FZ	Freezing		ures in METAR/SPECI)
FZDZ	Freezing Freezing drizzle	H24	Continuous day and night service
FZFG		HA	Holding/racetrack to an altitude
	Freezing fog	HAT*	Height above threshold
FZRA	Freezing rain	HAPI	Helicopter approach path indicator
		HBN	Hazard beacon
		HDF	High frequency direction-finding station
		HDG	Heading
G		HEL	Helicopter
G	Croon	HF‡	High frequency [3 000 to 30 000 kHz]
	Green	HF	Holding/racetrack to a fix
G	Variations from the mean wind speed	HGT	Height or height above
	(gusts) (followed by figures in METAR/	HJ	Sunrise to sunset
	SPECI and TAF)		
GA	Go ahead, resume sending (to be used	HLDG	Holding
	in AFS as a procedure signal)	HLS	Helicopter landing site
GA	General Aviation	НМ	Holding/racetrack to a manual termina-
G/A	Ground-to-air		tion
G/A/G	Ground-to-air and air-to-ground	HN	Sunset to sunrise
GAGAN†	GPS and geostationary earth orbit aug-	НО	Service available to meet operational
	mented navigation		requirements
GAMET	Area forecast for low-level flights	HOL	Holiday
GARP	GBAS azimuth reference point	HOSP	Hospital aircraft
GBAS†	(to be pronounced "GEE-BAS")	HPA	Hectopascal
	Ground-based augmentation system	HLP	Heliport
GCA‡	Ground controlled approach system or	HR	Hours
00/14	ground controlled approach	HS	Service available during hours of
GEN	General		scheduled operations
GEO		HUD	Head-up display
	Geographic or true	HUM	Humanitarian
GES	Ground earth station	HURCN	Hurricane
GLD	Glider	HVDF	High and very high frequency direction
GLONASS†	(to be pronounced "GLO-NAS") Global	וועטו	finding stations (at the same location)
0.0.	orbiting navigation satellite system	HVY	Heavy
GLS‡	GBAS landing system		•
GMC	Ground movement chart (followed by	HVY	Heavy (used to indicate the intensity of
	name/title)		weather phenomena, e.g. HVY RA =
GND	Ground		heavy rain)
GNDCK	Ground check	HX	No specific working hours
GNSS‡	Global navigation satellite system	HYR	Higher
GOV	Government	HZ	Haze
GP	Glide path	HZ	Hertz (cycle per second)
GPA	Glide path angle		
GPIP	Glide path intercept point		
GPS‡	Global positioning system		
GPU	Ground power unit		
GPWS‡	Ground proximity warning system	•	
GR GR	Hail	IAA*	Israel airports authority
GRAS†	(to be pronounced "GRASS") Ground-	IAC	Instrument approach chart (followed by
Onno	based regional augmentation system		name/title)
GRASS	Grass landing area	IAF	Initial approach fix
		IALS*	Intermediate approach lighting systems
GRIB	Processed meteorological data in the	IAO	In and out of clouds
	form of grid point values expressed in	IAP	Instrument approach procedure
ODV/I	binary form (meteorological code)	IAR	Intersection of air routes
GRVL	Gravel	IAS	Indicated airspeed
GS	Ground speed	IBN	Identification beacon
GS	Small hail and/or snow pellets	ICAO	International Civil Aviation Organization
GUND	Geoid undulation	ICE	Icing
		ID	Identifier or identify
		IDENT†	Identification
		IDEI11	Identification

IDFAF* IF	Israel Defense Force, Air Force	L	Locator (see LM, LO)
	Intermediate approach fix	L	Low pressure area or the centre of low
IFF	Identification friend/foe	1	pressure
IFR‡	Instrument flight rules	L	Litre
IGA	International general aviation	LAM	Logical acknowledgement (message
ILS‡	Instrument landing system	LANI	type designator)
IM	Inner marker	LAN	Inland
IMC‡	Instrument meteorological conditions	LAT	Latitude
IMG	Immigration	LCA	Local or locally or location or located
IMI∼	Interrogation sign (question mark) (to	LDA	Landing distance available
	be used in AFS as a procedure signal)	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 (used in SIGMET)
INPR	In progress	LM	Locator, middle
INS	Inertial navigation system	LMT	Local mean time
INSTL	Install or installed or installation	LNAV†	(to be pronounced "EL-NAV") Lateral
INSTR	Instrument		navigation
INT	Intersection	LNG	Long (used to indicate the type of ap-
INTL	International		proach desired or required)
INTRG	Interrogator	LO	Locator, outer
INTRP	Interrupt or interruption or interrupted	LOC	Localizer
INTSF	Intensify or intensifying	LONG	Longitude
INTST	Intensity	LORAN†	LORAN (long range air navigation sys-
IR	Ice on runway		tem) LPV Localizer performance with
IRS	Inertial reference system		vertical guidance
ISA	International standard atmosphere	LR	The last message received by me was
ISB	Independent sideband		(to be used in AFS as a procedure
ISOL	Isolated		signal)
		LRG	Long range
		LS	The last message sent by me was
			or Last message was(to be used in
J			AFS as a procedure signal)
JAN	lanuany	LTA	Lower control area
JTST	January Jet stream	LTD	Limited
		LTP	Landing threshold point
JUL	July	LV	Light and variable (relating to wind)
JUN	June	LVE	Leave or leaving
		LVL	Level
		LVP	Low visibility procedures
		LYR	Layer or layered
K			
KG	Kilograms		
KHZ	Kilohertz		
KIAS	Knots indicated airspeed	М	
KM	Kilometres		Matron (nyong and all house and
KMH	Kilometres per hour	M	Metres (preceded by figures)
KPA	Kilopascal	M	Mach number (followed by figures)
KT	Knots	M	Minimum value of runway visual range
KW	Kilowatts	B 4 A A	(followed by figures in METAR/SPECI)
	Monato	MAA	Maximum authorized altitude
		MAG	Magnetic
		MAHF	Missed approach holding fix
		MAINT	Maintenance
L		MAP	Aeronautical maps and charts
L	Left (preceded by runway designation	MAPT	Missed approach point
	number to identify a parallel runway)	MAR	At sea
	namber to lacitary a paramer rantiay)		

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MAR	March	MSAS†	(to be pronounced "EM-SAS") Multi-
MATF	Missed approach turning fix		functional transport satellite (MTSAT)
MATZ	Military aerodrome traffic zone		satellite-based augmentation system
MAX	Maximum	MSAW	Minimum safe altitude warning
MAY	May	MSG	Message
MBST	Microburst	MSL	Mean sea level
MCA	Minimum crossing altitude	MSR#	Message(transmission identification)
MCTR	Military control zone		has been misrouted (to be used in AFS
MCW	Modulated continuous wave		as a procedure signal)
MDA	Minimum descent altitude	MSSR	Monopulse secondary surveillance ra-
MDF	Medium frequency direction-finding sta-		dar
	tion	MT	Mountain
MDH		MTOM	Maximum take-off mass
	Minimum descent height		
MEA	Minimum en-route altitude	MTU	Metric units
MEDEVAC	Medical evacuation flight	MTW	Mountain waves
MEHT	Minimum eye height over threshold (for	MVDF	Medium and very high frequency direc-
	visual approach slope indicator sys-		tion finding stations (at the same loca-
	tems)		tion)
MET†	Meteorological or meteorology	MWO	Meteorological watch office
•		MX	
METAR†	Aerodrome routine meteorological re-	IVIA	Mixed type of ice formation (white and
	port (in meteorological code)		clear)
MET REPORT	Local routine meteorological report (in		
	abbreviated plain language)		
MF	Medium frequency [300 to 3 000 kHz]		
MHA	Minimum holding altitude	N	
MHDF	Medium and high frequency direction-	IN	
וטו ווטו		N	No distinct tendency (in RVR during
A U D CD E	finding stations (at the same location)		previous 10 minutes)
MHVDF	Medium, high and very high frequency	N	North or northern latitude
	direction-finding stations (at the same		
	location)	NADP	Noise abatement departure procedure
MHZ	Megahertz	NALS*	NIL approach lighting systems
MID	Mid-point (related to RVR)	NASC†	National AIS system centre
MIFG	Shallow fog	NAT	North Atlantic
	<del>-</del>	NAV	Navigation
MIL	Military	NAVAID	Navigation aid
MIN*	Minutes	NB	Northbound
MIS	Missing(transmission identification)		
	(to be used in AFS as a procedure sig-	NBFR	Not before
	nal)	NC	No change
MKR	Marker radio beacon	NCD	No cloud detected (used in automated
MLS‡			
•	Microwaye landing system		METAR/SPECI)
N A N A	Microwave landing system	NDB±	METAR/SPECI)
MM	Middle marker	NDB‡	METAR/SPECI) Non-directional radio beacon
MNM	Middle marker Minimum	NDB‡ NDV	METAR/SPECI) Non-directional radio beacon No directional variations available
	Middle marker	NDV	METAR/SPECI)  Non-directional radio beacon  No directional variations available  (used in automated METAR/SPECI)
MNM	Middle marker Minimum	NDV NE	METAR/SPECI)  Non-directional radio beacon  No directional variations available  (used in automated METAR/SPECI)  North-east
MNM	Middle marker Minimum Minimum navigation performance spec- ifications	NDV NE NEB	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound
MNM MNPS MNT	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored	NDV NE	METAR/SPECI)  Non-directional radio beacon  No directional variations available  (used in automated METAR/SPECI)  North-east
MNM MNPS MNT MNTN	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain	NDV NE NEB	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound
MNM MNPS MNT MNTN MOA	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area	NDV NE NEB	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant-
MNM MNPS MNT MNTN MOA MOC	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required)	NDV NE NEB NEG	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night
MNM MNPS MNT MNTN MOA MOC MOCA	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude	NDV NE NEB NEG NGT NIL*†	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you
MNM MNPS MNT MNTN MOA MOC	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude Moderate (used to indicate the intensity	NDV NE NEB NEG NGT NIL*† NM	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles
MNM MNPS MNT MNTN MOA MOC MOCA	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude	NDV  NE NEB NEG  NGT NIL*† NM NML	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles Normal
MNM MNPS MNT MNTN MOA MOC MOCA	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude Moderate (used to indicate the intensity of weather phenomena, interference or	NDV  NE NEB NEG  NGT NIL*† NM NML NN	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles Normal No name. unnammed
MNM MNPS MNT MNTN MOA MOC MOCA	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude Moderate (used to indicate the intensity of weather phenomena, interference or static reports, e.g. MODRA = moderate	NDV  NE NEB NEG  NGT NIL*† NM NML NN NNE	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles Normal No name. unnammed North-north-east
MNM MNPS MNT MNTN MOA MOC MOCA MOD	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude Moderate (used to indicate the intensity of weather phenomena, interference or static reports, e.g. MODRA = moderate rain)	NDV  NE NEB NEG  NGT NIL*† NM NML NN	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles Normal No name. unnammed
MNM MNPS MNT MNTN MOA MOC MOCA MOD	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude Moderate (used to indicate the intensity of weather phenomena, interference or static reports, e.g. MODRA = moderate rain) Above mountains	NDV  NE NEB NEG  NGT NIL*† NM NML NN NNE	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles Normal No name. unnammed North-north-east North-north-west
MNM MNPS MNT MNTN MOA MOC MOCA MOD	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude Moderate (used to indicate the intensity of weather phenomena, interference or static reports, e.g. MODRA = moderate rain) Above mountains Monday	NDV  NE NEB NEG  NGT NIL*† NM NML NN NNE NNW	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles Normal No name. unnammed North-north-east North-north-west No (negative) (to be used in AFS as a
MNM MNPS MNT MNTN MOA MOC MOCA MOD	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude Moderate (used to indicate the intensity of weather phenomena, interference or static reports, e.g. MODRA = moderate rain) Above mountains Monday Minimum operational performance	NDV  NE NEB NEG  NGT NIL*† NM NML NN NNE NNV NO	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles Normal No name. unnammed North-north-east North-north-west No (negative) (to be used in AFS as a procedure signal)
MNM MNPS MNT MNTN MOA MOC MOCA MOD MON MON MON MOPS†	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude Moderate (used to indicate the intensity of weather phenomena, interference or static reports, e.g. MODRA = moderate rain) Above mountains Monday Minimum operational performance standards	NDV  NE NEB NEG  NGT NIL*† NM NML NN NNE NNV NO	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles Normal No name. unnammed North-north-east North-north-west No (negative) (to be used in AFS as a procedure signal) International NOTAM office
MNM MNPS MNT MNTN MOA MOC MOCA MOD	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude Moderate (used to indicate the intensity of weather phenomena, interference or static reports, e.g. MODRA = moderate rain) Above mountains Monday Minimum operational performance	NDV  NE NEB NEG  NGT NIL*† NM NML NN NNE NNW NO  NOF NONSTD	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles Normal No name. unnammed North-north-east North-north-west No (negative) (to be used in AFS as a procedure signal) International NOTAM office Non-standard
MNM MNPS MNT MNTN MOA MOC MOCA MOD MON MON MON MOPS†	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude Moderate (used to indicate the intensity of weather phenomena, interference or static reports, e.g. MODRA = moderate rain) Above mountains Monday Minimum operational performance standards	NDV  NE NEB NEG  NGT NIL*† NM NML NN NNE NNV NO	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles Normal No name. unnammed North-north-east North-north-west No (negative) (to be used in AFS as a procedure signal) International NOTAM office Non-standard No significant change (used in trend-
MNM MNPS  MNT MNTN MOA MOC MOCA MOD  MON MON MON MOPS†	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude Moderate (used to indicate the intensity of weather phenomena, interference or static reports, e.g. MODRA = moderate rain) Above mountains Monday Minimum operational performance standards Move or moving or movement Metres per second	NDV  NE NEB NEG  NGT NIL*† NM NML NN NNE NNW NO  NOF NONSTD NOSIG†	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles Normal No name. unnammed North-north-east North-north-west No (negative) (to be used in AFS as a procedure signal) International NOTAM office Non-standard No significant change (used in trend- type landing forecasts)
MNM MNPS  MNT MNTN MOA MOC MOCA MOD  MON MON MOPS†  MOV MPS MRA	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude Moderate (used to indicate the intensity of weather phenomena, interference or static reports, e.g. MODRA = moderate rain) Above mountains Monday Minimum operational performance standards Move or moving or movement Metres per second Minimum reception altitude	NDV  NE NEB NEG  NGT NIL*† NM NML NN NNE NNW NO  NOF NONSTD	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles Normal No name. unnammed North-north-east North-north-west No (negative) (to be used in AFS as a procedure signal) International NOTAM office Non-standard No significant change (used in trend-
MNM MNPS  MNT MNTN MOA MOC MOCA MOD  MON MON MOPS†  MOV MPS MRA MRG	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude Moderate (used to indicate the intensity of weather phenomena, interference or static reports, e.g. MODRA = moderate rain) Above mountains Monday Minimum operational performance standards Move or moving or movement Metres per second Minimum reception altitude Medium range	NDV  NE NEB NEG  NGT NIL*† NM NML NN NNE NNW NO  NOF NONSTD NOSIG†	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles Normal No name. unnammed North-north-east North-north-west No (negative) (to be used in AFS as a procedure signal) International NOTAM office Non-standard No significant change (used in trend- type landing forecasts)
MNM MNPS  MNT MNTN MOA MOC MOCA MOD  MON MON MOPS†  MOV MPS MRA MRG MRP	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude Moderate (used to indicate the intensity of weather phenomena, interference or static reports, e.g. MODRA = moderate rain) Above mountains Monday Minimum operational performance standards Move or moving or movement Metres per second Minimum reception altitude Medium range ATS/MET reporting point	NDV  NE NEB NEG  NGT NIL*† NM NML NN NNE NNW NO  NOF NONSTD NOSIG†	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-east bound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles Normal No name. unnammed North-north-east North-north-west No (negative) (to be used in AFS as a procedure signal) International NOTAM office Non-standard No significant change (used in trend- type landing forecasts) A notice distributed by means of tele- communication containing information
MNM MNPS  MNT MNTN MOA MOC MOCA MOD  MON MON MOPS†  MOV MPS MRA MRG MRP MS	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude Moderate (used to indicate the intensity of weather phenomena, interference or static reports, e.g. MODRA = moderate rain) Above mountains Monday Minimum operational performance standards Move or moving or movement Metres per second Minimum reception altitude Medium range ATS/MET reporting point Minus	NDV  NE NEB NEG  NGT NIL*† NM NML NN NNE NNW NO  NOF NONSTD NOSIG†	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-east North-eastbound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles Normal No name. unnammed North-north-east North-north-west No (negative) (to be used in AFS as a procedure signal) International NOTAM office Non-standard No significant change (used in trend- type landing forecasts) A notice distributed by means of tele- communication containing information concerning the establishment, condi-
MNM MNPS  MNT MNTN MOA MOC MOCA MOD  MON MON MOPS†  MOV MPS MRA MRG MRP	Middle marker Minimum Minimum navigation performance specifications Monitor or monitoring or monitored Maintain Military operating area Minimum obstacle clearance (required) Minimum obstacle clearance altitude Moderate (used to indicate the intensity of weather phenomena, interference or static reports, e.g. MODRA = moderate rain) Above mountains Monday Minimum operational performance standards Move or moving or movement Metres per second Minimum reception altitude Medium range ATS/MET reporting point	NDV  NE NEB NEG  NGT NIL*† NM NML NN NNE NNW NO  NOF NONSTD NOSIG†	METAR/SPECI) Non-directional radio beacon No directional variations available (used in automated METAR/SPECI) North-east North-east bound No or negative or permission not grant- ed or that is not correct Night None or I have nothing to send to you Nautical miles Normal No name. unnammed North-north-east North-north-west No (negative) (to be used in AFS as a procedure signal) International NOTAM office Non-standard No significant change (used in trend- type landing forecasts) A notice distributed by means of tele- communication containing information

	ity, service, procedure or hazard, the		
	timely knowledge of which is essential	P	
	to personnel concerned with flight oper-		
	ations	P	Maximum value of wind speed or run-
NOTAMC	Cancelling NOTAM		way visual range (followed by figures in
NOTAMN	New NOTAM		METAR/SPECI and TAF)
NOTAMR	Replacing NOTAM	P	Prohibited area (followed by identifica-
NOV	November		tion)
NOZ‡	Normal operating zone	PA	Precision approach
NPA	Non-precision approach	PALS	Precision approach lighting system
NR	Number		(specify category)
NRH	No reply heard	PANS	Procedures for air navigation services
NS	Nimbostratus	PAPI†	Precision approach path indicator
NSC	Nil significant cloud	PAR‡	Precision approach radar
NSE	Navigation system error	PARL	Parallel
NSW	Nil significant weather	PATC	Precision approach terrain chart (fol-
NTL	National		lowed by name/title)
NTZ‡	No transgression zone	PAX	Passenger(s)
NW	North-west	PBC	Performance-based communication
NWB	North-west North-westbound	PBN	Performance-based navigation
NXT	Next	PBS	Performance-based surveillance
INAI	Next	PCD	Proceed or proceeding
		PCL	Pilot-controlled lighting
		PCN	Pavement classification number
		PCT	Per cent
0		PDC‡	Pre-departure clearance
OAC	Oceanic area control centre	PDG	Procedure design gradient
OAS	Obstacle assessment surface	PER	Performance
OBS	Observe or observed or observation	PERM	Permanent
OBSC	Obscure or obscured or obscuring	PIB	Pre-flight information bulletin
OBST	Obstacle	PJE	Parachute jumping exercise
OCA	Obstacle clearance altitude	PL	Ice pellets
OCA	Oceanic control area	PLA	Practice low approach
OCC	Occulting (light)	PLVL	Present level
OCH	Obstacle clearance height	PN	Prior notice required
OCNL	Occasional or occasionally	PNR	Point of no return
ocs	Obstacle clearance surface	PO	Dust/sand whirls (dust devils)
OCT	October	POB	Persons on board
OFZ	Obstacle free zone	POSS	Possib <b>l</b> e
OGN	Originate (to be used in AFS as a pro-	PPI	Plan position indicator
	cedure signal)	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 (to be used in	PRI	Primary
	AFS as a procedure signal)	PRKG	Parking
OLDI†	On-line data interchange	PROB†	Probability
OM	Outer marker	PROC .	Procedure
OPA	Opaque, white type of ice formation	PROP	Propeller
OPC	Control indicated is operational control	PROV	Provisional
OPMET†	Operational meteorological (informa-	PRP	Point-in-space reference point
OT MILT	tion)	PS	Plus
OPN	Open or opening or opened	PSG	Passing
OPR	Operator or operate or operative or op-	PSN	Position
OTT	erating or operational	PSP	Pierced steel plank
OPS†	Operations	PSR‡	Primary surveillance radar
O/R	On request	PSYS	Pressure system(s)
ORD	Order	PTN	Procedure turn
OSV	Ocean station vessel	PTS	Polar track structure
OTP		PWR	Power
OTS	On top		. 55.
OUBD	Organized track system Outbound		
OVC	Overcast		
	Overcasi	0	
		Q	
		QDL	Do you intend to ask me for a series of

	bearings? or I intend to ask you for a se-	DAGGI	ing
	ries of bearings (to be used in radiote-	RASC†	Regional AIS system centre
00141	legraphy as a Q Code)	RASS	Remote altimeter setting source
QDM‡	Magnetic heading (zero wind)	RB	Rescue boat
QDR	Magnetic bearing	RCA	Reach cruising altitude
QFE‡	Atmospheric pressure at aerodrome el-	RCC	Rescue coordination centre
	evation (or at runway threshold)	RCF	Radiocommunication failure (message
QFU	Magnetic orientation of runway		type designator)
QGE	What is my distance to your station? or	RCH	Reach or reaching
	Your distance to my station is (distance	RCL	Runway centre line
	figures and units) (to be used in radiote-	RCLL	Runway centre line light(s)
	legraphy as a Q Code)	RCLR	Recleared
QJH	Shall I run my test tape/a test sen-	RCP‡	Required communication performance
	tence? or Run your test tape/a test sen-	RDOACT	Radioactive
	tence (to be used in AFS as a Q Code)	RDH	Reference datum height
QNH‡	Altimeter sub-scale setting to obtain el-	RDL	Radial
•	evation when on the ground	RDO	Radio
QSP	Will you relay tofree of charge? or I	RE	Recent (used to qualify weather phe-
	will relay tofree of charge (to be used		nomena, e.g. RERA = recent rain)
	in AFS as a Q Code)	REC	Receive or receiver
QTA	Shall I cancel telegram number? or	REDL	Runway edge light(s)
Q(I/)	Cancel telegram number(to be used	REF	Reference toor refer to
	in AFS as a Q Code)	REG	Registration
QTE	True bearing	REIL*	RWY end identifier lights
QTF	Will you give me the position of my sta-	RENL	Runway end light(s)
QIF		REP	
	tion according to the bearings taken by		Report or reporting or reporting point
	the D/F stations which you control? or	REQ	Request or requested
	The position of your station according to	RERTE	Re-route
	the bearings taken by the D/F stations	RESA	Runway end safety area
	that I control waslatitudelongitude	RF	Constant radius arc to a fix
	(or other indication of position), class	RFFS	Rescue and firefighting services
	athours (to be used in radiotelegra-	RG	Range (lights)
	phy as a Q Code)	RHC	Right-hand circuit
QUAD	Quadrant	RIF	Reclearance in flight
QUJ	Will you indicate the TRUE track to	RIME†	Rime (used in aerodrome warnings)
	reach you? or The TRUE track to reach	RL	Report leaving
	me isdegrees athours (to be used	RLA	Relay to
	in radiotelegraphy as a Q Code)	RLCE	Request level change en route
		RLLS	Runway lead-in lighting system
		RLNA	Request level not available
		RMK	Remark
R		RNAV†	(to be pronounced "AR-NAV") Area
		·	navigation
R	Right (preceded by runway designation	RNG	Radio range
	number to identify a parallel runway)	RNP‡	Required navigation performance
R	Rate of turn	ROBEX†	Regional OPMET bulletin exchange
R	Red	··· · 1	(scheme)
R	Restricted area (followed by identifica-	ROC	Rate of climb
	tion)	ROD	Rate of descent
R	Runway (followed by figures in METAR/	RON	Receiving only
	SPECI)	RPDS	Reference path data selector
R~	Received (acknowledgement of re-	RPI‡	Radar position indicator
	ceipt) (to be used in AFS as a proce-	RPL	Repetitive flight plan
	dure signal)	RPLC	
R	Radial from VOR (followed by three fig-		Replace or replaced
	ures)	RPS	Radar position symbol
RA	Rain	RPT~	Repeat or I repeat (to be used in AFS as
RA	Resolution advisory	D0	a procedure signal)
RA*	Radio altimeter	RQ~	Request (to be used in AFS as a proce-
RAC	Rules of the air and air traffic services		dure signal)
RAG		RQMNTS	Requirements
	Ragged	RQP	Request flight plan (message type des-
RAG	Runway airesting gear		ignator)
RAI	Runway alignment indicator	RQS	Request supplementary flight plan
RAIM†	Receiver autonomous integrity monitor-		(message type designator)

AIP

RR	Report reaching	SEC	Seconds
RRA	(or RRB, RRCetc., in sequence) De-	SECN	Section
	layed meteorological message (mes-	SECT	Sector
	sage type designator)	SELCAL†	Selective calling system
RSC	Rescue sub-centre	SEP	September
RSCD	Runway surface condition	SER	•
	•		Service or servicing or served
RSP‡	Required surveillance performance	SEV	Severe (used e.g. to qualify icing and
RSP	Responder beacon		turbulence reports)
RSR	En-route surveillance radar	SFC	Surface
RSS	Root sum square	SG	Snow grains
RTD	Delayed (used to indicate delayed me-	SGL	Signal
	teorological message; message type	SH	Shower (followed by RA = rain, SN =
	designator)	<b>0</b> 11111	snow, PL = ice pellets, GR = hail, GS =
RTE	Route		small hail and/or snow pellets or combi-
RTF	Radiotelephone		nations thereof, e.g. SHRASN = show-
RTG	Radiotelegraph		ers of rain and snow)
RTHL	Runway threshold light(s)	SHF	Super high frequency [3 000 to 30 000
RTN	Return or returned or returning		MHz]
RTODAH	Rejected take-off distance available,	SI	International system of units
	helicopter	SID†	Standard instrument departure
RTS	Return to service	SIF	Selective identification feature
RTT		SIG	Significant
	Radioteletypewriter		•
RTZL	Runway touchdown zone light(s)	SIGMET†	Information concerning en-route and
RUT	Standard regional route transmitting		other phenomena in the atmosphere
	frequencies		that may affect the safety of aircraft op-
RV	Rescue vessel		erations
RVA	Radar vectoring area	SIMUL	Simultaneous or simultaneously
RVR‡	Runway visual range	SIWL	Single isolated wheel load
RVSM‡	Reduced vertical separation minimum	SKED	Schedule or scheduled
11.4014	(300 m (1 000 ft)) between FL 290 and	SLP	Speed limiting point
D144	FL 410	SLW	Slow
RWY	Runway	SMC	
	rannay		Surface movement control
	T.G.I.I.ay	SMR	Surface movement radar
		SMR SN	Surface movement radar Snow
		SMR	Surface movement radar
s		SMR SN	Surface movement radar Snow
S	,	SMR SN	Surface movement radar Snow Aerodrome closed due to snow <i>(used in</i>
S	South or southern latitude	SMR SN SNOCLO	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) Special series NOTAM notifying the
	,	SMR SN SNOCLO	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) Special series NOTAM notifying the presence or removal of hazardous con-
S	South or southern latitude	SMR SN SNOCLO	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) Special series NOTAM notifying the presence or removal of hazardous conditions due to snow, ice, slush or stand-
S S	South or southern latitude State of the sea (followed by figures in METAR/SPECI)	SMR SN SNOCLO	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) Special series NOTAM notifying the presence or removal of hazardous conditions due to snow, ice, slush or standing water associated with snow, slush
S S SA	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand	SMR SN SNOCLO	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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
S S SA SALS	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system	SMR SN SNOCLO SNOWTAM†	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 SA SALS SAN	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary	SMR SN SNOCLO SNOWTAM†	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb
S S SA SALS SAN SAR	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue	SMR SN SNOCLO SNOWTAM†	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological re-
S S SA SALS SAN	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practic-	SMR SN SNOCLO SNOWTAM†	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb
S S SA SALS SAN SAR SARPS	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO]	SMR SN SNOCLO SNOWTAM†	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological re-
S S SA SALS SAN SAR SARPS	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday	SMR SN SNOCLO SNOWTAM†	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in
S S SA SALS SAN SAR SARPS	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO]	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL†	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language)
S S SA SALS SAN SAR SARPS	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator
S S SA SALS SAN SAR SARPS	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL†	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message
S S SA SALS SAN SAR SARPS	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only when referring generally to both voice and data satellite communication or	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI SPL	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message type designator)
S S SA SALS SAN SAR SARPS SAT SATCOM†	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only when referring generally to both voice and data satellite communication)	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI SPL SPOC SAR	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message type designator) point of contact
S S  SA SALS SAN SAR SARPS  SAT SATCOM†	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only when referring generally to both voice and data satellite communication) Satellite voice communication	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI SPL SPOC SAR SPOT†	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message type designator) point of contact Spot wind
S S  SA SALS SAN SAR SARPS  SAT SATCOM†	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only when referring generally to both voice and data satellite communication) Satellite voice communication Southbound	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI SPL SPOC SAR SPOT† SQ	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message type designator) point of contact
S S  SA SALS SAN SAR SARPS  SAT SATCOM†	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only when referring generally to both voice and data satellite communication) Satellite voice communication Southbound (to be pronounced "ESS-BAS") Satel-	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI SPL SPOC SAR SPOT†	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message type designator) point of contact Spot wind
S S  SA SALS SAN SAR SARPS  SAT SATCOM†  SATVOICE† SB SBAS†	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only when referring generally to both voice and data satellite communication or only data satellite communication) Satellite voice communication Southbound (to be pronounced "ESS-BAS") Satellite-based augmentation system	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI SPL SPOC SAR SPOT† SQ	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message type designator) point of contact Spot wind Squall
S S  SA SALS SAN SAR SARPS  SAT SATCOM†  SATVOICE† SB SBAS† SC	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only when referring generally to both voice and data satellite communication) Satellite voice communication Southbound (to be pronounced "ESS-BAS") Satel-	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI SPL SPOC SAR SPOT† SQ SQL SR	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message type designator) point of contact Spot wind Squall Squall line Sunrise
S S  SA SALS SAN SAR SARPS  SAT SATCOM†  SATVOICE† SB SBAS†	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only when referring generally to both voice and data satellite communication or only data satellite communication) Satellite voice communication Southbound (to be pronounced "ESS-BAS") Satellite-based augmentation system	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI SPL SPOC SAR SPOT† SQ SQL SR SRA	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message type designator) point of contact Spot wind Squall Squall line Sunrise Surveillance radar approach
S S  SA SALS SAN SAR SARPS  SAT SATCOM†  SATVOICE† SB SBAS† SC	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only when referring generally to both voice and data satellite communication or only data satellite communication) Satellite voice communication Southbound (to be pronounced "ESS-BAS") Satellite-based augmentation system Stratocumulus	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI SPL SPOC SAR SPOT† SQ SQL SR SRA SRA*	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message type designator) point of contact Spot wind Squall Squall line Sunrise Surveillance radar approach Special Rules Area
S S  SA SALS SAN SAR SARPS  SAT SATCOM†  SATVOICE† SB SBAS† SC SCT	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only when referring generally to both voice and data satellite communication or only data satellite communication) Satellite voice communication Southbound (to be pronounced "ESS-BAS") Satellite-based augmentation system Stratocumulus Scattered Standard deviation	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI SPL SPOC SAR SPOT† SQ SQL SR SRA	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message type designator) point of contact Spot wind Squall Squall line Sunrise Surveillance radar approach Special Rules Area Surveillance radar element of precision
S S  SA SALS SAN SAR SARPS  SAT SATCOM†  SATVOICE† SB SBAS† SC SCT SD SDBY	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only when referring generally to both voice and data satellite communication) Satellite voice communication Southbound (to be pronounced "ESS-BAS") Satellite-based augmentation system Stratocumulus Scattered Standard deviation Stand by	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI SPL SPOC SAR SPOT† SQ SQL SR SRA SRA* SRA* SRE	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message type designator) point of contact Spot wind Squall Squall line Sunrise Surveillance radar approach Special Rules Area Surveillance radar element of precision approach radar system
S S  SA SALS SAN SAR SARPS  SAT SATCOM†  SATVOICE† SB SBAS† SC SCT SD SDBY SDF	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only when referring generally to both voice and data satellite communication) Satellite voice communication Southbound (to be pronounced "ESS-BAS") Satellite-based augmentation system Stratocumulus Scattered Standard deviation Stand by Step down fix	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI SPL SPOC SAR SPOT† SQ SQL SR SRA SRA* SRA* SRE SRG	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message type designator) point of contact Spot wind Squall Squall line Sunrise Surveillance radar approach Special Rules Area Surveillance radar element of precision approach radar system Short range
S S  SA SALS SAN SAR SARPS  SAT SATCOM†  SATVOICE† SB SBAS† SC SCT SD SDBY SDF SE	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only when referring generally to both voice and data satellite communication) Satellite voice communication Southbound (to be pronounced "ESS-BAS") Satellite-based augmentation system Stratocumulus Scattered Standard deviation Stand by Step down fix South-east	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI SPL SPOC SAR SPOT† SQ SQL SR SRA SRA* SRA* SRE SRG SRR	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message type designator) point of contact Spot wind Squall Squall line Surrise Surveillance radar approach Special Rules Area Surveillance radar element of precision approach radar system Short range Search and rescue region
S S  SA SALS SAN SAR SARPS  SAT SATCOM†  SATVOICE† SB SBAS† SC SCT SD SDBY SDF	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only when referring generally to both voice and data satellite communication) Satellite voice communication Southbound (to be pronounced "ESS-BAS") Satellite-based augmentation system Stratocumulus Scattered Standard deviation Stand by Step down fix South-east Sea (used in connection with sea-sur-	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI SPL SPOC SAR SPOT† SQ SQL SR SRA SRA* SRA* SRE SRG	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message type designator) point of contact Spot wind Squall Squall line Sunrise Surveillance radar approach Special Rules Area Surveillance radar element of precision approach radar system Short range
S S  SA SALS SAN SAR SARPS  SAT SATCOM†  SATVOICE† SB SBAS† SC SCT SD SDBY SDF SE SEA	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only when referring generally to both voice and data satellite communication or only data satellite communication) Satellite voice communication Southbound (to be pronounced "ESS-BAS") Satellite-based augmentation system Stratocumulus Scattered Standard deviation Stand by Step down fix South-east Sea (used in connection with sea-surface temperature and state of the sea)	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI SPL SPOC SAR SPOT† SQ SQL SR SRA SRA* SRA* SRE SRG SRR	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message type designator) point of contact Spot wind Squall Squall line Surrise Surveillance radar approach Special Rules Area Surveillance radar element of precision approach radar system Short range Search and rescue region
S S  SA SALS SAN SAR SARPS  SAT SATCOM†  SATVOICE† SB SBAS† SC SCT SD SDBY SDF SE	South or southern latitude State of the sea (followed by figures in METAR/SPECI) Sand Simple approach lighting system Sanitary Search and rescue Standards and Recommended Practices [ICAO] Saturday Satellite communication (used only when referring generally to both voice and data satellite communication) Satellite voice communication Southbound (to be pronounced "ESS-BAS") Satellite-based augmentation system Stratocumulus Scattered Standard deviation Stand by Step down fix South-east Sea (used in connection with sea-sur-	SMR SN SNOCLO SNOWTAM†  SOC SPECI† SPECIAL† SPI SPL SPOC SAR SPOT† SQ SQL SR SRA SRA* SRA* SRE SRG SRR SRY	Surface movement radar Snow Aerodrome closed due to snow (used in METAR/SPECI) 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 Start of climb Aerodrome special meteorological report (in meteorological code) Local special meteorological report (in abbreviated plain language) Special position indicator Supplementary flight plan (message type designator) point of contact Spot wind Squall Squall line Surveillance radar approach Special Rules Area Surveillance radar element of precision approach radar system Short range Search and rescue region Secondary

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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(place)
SST	Supersonic transport	TKOF	Take-off
SSW	South-south-west	TL	Till (followed by time by which weather
ST	Stratus		change is forecast to end)
STA	Straight-in approach	TLOF	Touchdown and lift-off area
STAR†	Standard instrument arrival	TMA‡	Terminal control area
STD	Standard	TN	Minimum temperature (followed by fig-
STF	Stratiform		ures in TAF)
STN	Station	TNA	Turn altitude
STNR	Stationary	TNH	Turn height
STOL		TO	
	Short take-off and landing		To(place)
STS	Status	TOC	Top of climb
STWL	Stopway light(s)	TODA	Take-off distance available
SUBJ	Subject to	TODAH	Take-off distance available, helicopter
SUN	Sunday	TOP†	Cloud top
SUP	Supplement (AIP Supplement)	TORA	Take-off run available
SUPPS	Regional supplementary procedures	TOX	Toxic
SUPP*	Supplement or supplementary	TP	Turning point
SVC	Service (message type only)	TR	Track
SVCBL	Service ( <i>message type omy)</i> Serviceable		
		TRA	Temporary reserved airspace
SVFR*	Special Visual Flight Rules	TRANS	Transmits or transmitter
SW	South-west	TREND†	Trend forecast
SWB	South-westbound	TRL	Transition level
SWY	Stopway	TRG	Training
		TROP	Tropopause
		TS	Thunderstorm (in aerodrome reports
			and forecasts, TS used alone means
-			thunder heard but no precipitation at the
Т			
Т	Temperature	TO	aerodrome)
T	True (preceded by a bearing to indicate	TS	Thunderstorm (followed by RA = rain,
	reference to True North)		SN = snow, PL = ice pellets, GR = hail,
TA	Traffic advisory		GS = small hail and/or snow pellets or
			combinations thereof, e.g. TSRASN =
TA	Transition altitude		thunderstorm with rain and snow)
TAA	Terminal arrival altitude	TSUNAMI†	Tsunami (used in aerodrome warnings)
TACAN†	UHF tactical air navigation aid	TT	Teletypewriter
TAF†	Aerodrome forecast (in meteorological	TUE	Tuesday
	code)	TURB	Turbulence
TA/H	Turn at an altitude/height	T-VASIS†	(to be pronounced "TEE-VASIS") T
TAIL†	Tail wind	I-VASIS	
TAR	Terminal area surveillance radar	T. (0.D.	visual approach slope indicator system
TAS	True airspeed	TVOR	Terminal VOR
		TWR	Aerodrome control tower or aerodrome
TAX	Taxiing or taxi		control
TC	Tropical cyclone	TWY	Taxiway
TCAC	Tropical cyclone advisory centre	TX	Maximum temperature (followed by fig-
TCAS RA†	(to be pronounced "TEE-CAS-AR-AY")		ures in TAF)
	Traffic alert and collision avoidance	TXL	Taxilane
	system resolution advisory	TXT~	Text (when the abbreviation is used to
TCH	Threshold crossing height	IXI	•
TCU	Towering cumulus		request a repetition, the question mark
TDO	Tornado		(IMI) precedes the abbreviation, e.g.
			IMI TXT) (to be used in AFS as a proce-
TDZ	Touchdown zone		dure signal)
TECR	Technical reason	TYP	Type of aircraft
TEL	Telephone	TYPH	Typhoon
TEMPO†	Temporary or temporarily		<b>71</b>
TF	Track to fix		
TFC	T.,		
IFC	Traffic		
TGL	Touch-and-go landing	U	
TGL TGS	Touch-and-go landing Taxiing guidance system		Unward (tendency in RVR during previ-
TGL	Touch-and-go landing	<b>U</b> U	Upward (tendency in RVR during previous 10 minutes)

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
UAR	Upper air route	VOLIVILIT	
		VOD+	flight
UAS	Unmanned aircraft system	VOR‡	VHF omnidirectional radio range
UDF	Ultra high frequency direction-finding	VORTAC†	VOR and TACAN combination
	station	VOT VOR	airborne equipment test facility
UFN	Until further notice	VPA	Vertical path angle
UHDT	Unable higher due traffic	VPT	Visual manoeuvre with prescribed tracl
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 (followed by figures in
UNAP	Unable to approve		METAR/SPECI and TAF)
UNL	Unlimited		METATO OF ESTAINS TATE
UNREL	Unreliable		
UP	Unidentified precipitation (used in auto-		
	mated METAR/SPECI)	W	
U/S	Unserviceable	W	West or western longitude
UTA	Upper control area	W	White
UTC‡	Coordinated Universal Time		
		W	Sea-surface temperature (followed by
			figures in METAR/SPECI)
		WAAS†	Wide area augmentation system
V		WAC	World Aeronautical Chart — ICAC
			1:1 000 000 (followed by name/title)
V	Variations from the mean wind direction	WAFC	World area forecast centre
	(preceded and followed by figures in	WB	Westbound
	METAR/SPECI, e.g. 350V070)	WBAR	Wing bar lights
VA	Heading to an altitude	WDI	Wind direction indicator
VA	Volcanic ash	WDSPR	Widespread
VAAC	Volcanic ash advisory centre	WED	Wednesday
VAC	Visual approach chart (followed by	WEF	With effect from or effective from
VAC		WGS-84	
\	name/title)		World Geodetic System — 1984
VAL	In valleys	WI	Within
VAN	Runway control van	WID	Width or wide
VAR	Magnetic variation	WIE	With immediate effect or effective im
VAR	Visual-aural radio range		mediately
VASIS	Visual approach slope indicator sys-	WILCO†	Will comply
	tems	WIND	Wind
VC	Vicinity of the aerodrome (followed by	WIP	Work in progress
	FG = fog, FC = funnel cloud, SH =	WKN	Weaken or weakening
	shower, PO = dust/sand whirls, BLDU =	WNW	West-north-west
	blowing dust, BLSA = blowing sand,	WO	Without
	BLSN = blowing snow, DS = duststorm,	WPT	Way-point
	SS = sandstorm, TS = thunderstorm or	WRNG	Warning
			<del>-</del>
	VA = volcanic ash, e.g. VCFG = vicinity	WS	Wind shear
	fog)	WSPD	Wind speed
VCY	Vicinity	WSW	West-south-west
VDF	Very high frequency direction-finding	WT	Weight
	station	WTSPT	Waterspout
VER	Vertical	WWW	Worldwide web
VFR‡	Visual flight rules	WX	Weather
VHF‡	Very high frequency [30 to 300 MHz]	WXR	Weather radar
VI .	Heading to an intercept		
VIP‡	Very important person		
VIS	Visibility		
VLF	Very low frequency [3 to 30 kHz]	V	_
VLF VLR	· · · · · · · · · · · · · · · · · · ·	X	
	Very long range	X	Cross
VM	Heading to a manual termination	XBAR	Crossbar (of approach lighting system)
VMC‡	Visual meteorological conditions	XNG	Crossing
VNAV†	(to be pronounced "VEE-NAV") Vertical	XS	<u> </u>
		AG	Atmospherics

Υ	
Υ	Yellow
YCZ	Yellow caution zone (runway lighting)
YES~	Yes (affirmative) (to be used in AFS as a procedure signal)
YR	Your
Z	
7	Coordinated Universal Time (in meteor-
/	