

# ABBREVIATIONS

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INDOAVIS<sup>®</sup>

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**INTRODUCTION TO INDOAVIS  
AERONAUTICAL CHART  
USER'S GUIDE**

English Version

# **ABBREVIATION**

**A - ALPHA**

A/A	Air to Air
AAF	Army Air Field
AAIM	Aircraft Autonomous Integrity Monitoring
AAIS	Automated Aerodrome Information Service
AAL	Above Aerodrome Level
AAS	Airport Advisory Service
AB	Air Base
ABM	Abeam
ABN	Aerodrome Beacon
AC	Air Carrier
ACA	Arctic Control Area
ACA	Approach Control Area
ACAS	Airborne Collision Avoidance System
ACARS	Airborne Communications Addressing and Reporting System
ACC	Area Control Center
ACFT	Aircraft
ACN	Aircraft Classification Number
AD	Aerodrome
ADA	Advisory Area
ADF	Automatic Direction Finding
ADIZ	Air Defense Identification Zone
ADR	Advisory Route
ADS	Automatic Dependent Surveillance
ADV	Advisory Area
AEIS	Aeronautical En-route Information Service
AER	Approach End of Runway
AERADIO	Air Radio
AERO	Aerodrome
AF	Aux Air Force Auxiliary Field
AFB	Air Force Base
AFIS	Aerodrome Flight Information Service
AFN	American Forces Network
AFRS	Armed Forces Radio Stations
AFRU	Aerodrome Frequency Response Unit
AFS	Air Force Station
AFSS	Automated Flight Service Station
A/G	Air-to-Ground
AGL	Above Ground Level
AGNIS	Azimuth Guidance Nose-in-Stand
AH	Alert Height
AHP	Army Helicopter
AIP	Aeronautical Information Publication
AIRAC	Aeronautical Information Regulation and Control
AIREP	Air-Report
AIS	Aeronautical Information Services
ALA*	Aerodrome Light Aircraft
ALA	Aircraft Landing Area
ALF	Auxiliary Landing Field
ALT	Altitude
ALTN	Alternate
AMA	Area Minimum Altitude
AMDT	Amendment

AMSL	Above Mean Sea Level
ANGB	Air National Guard Base
AOE	Airport/Aerodrome of Entry
AOR	Area of Responsibility
APAPI	Abbreviated Precision Approach Path Indicator
APC	Area Positive Control
APCH	Approach
APP	Approach Control
APT	Airport
APV	Approach Procedure with Vertical Guidance
ARB	Air Reserve Base
ARINC	Aeronautical Radio, Inc
ARO	Aerodrome Reporting Officer
ARP	Airport Reference Point
ARR	Arrival
ARTCC	Air Route Traffic Control Center
ASDA	Accelerate Stop Distance Available
ASOS	Automated Surface Observing System
ASR	Airport Surveillance Radar
ATA	Actual Time of Arrival
ATCAA	Air Traffic Control Assigned Airspace
ATCC	Air Traffic Control Center
ATCT	Air Traffic Control Tower
ATD	Actual Time of Departure
ATF	Aerodrome Traffic Frequency
ATFM	Air Traffic Flow Management
ATIS	Automatic Terminal Information Service
ATS	Air Traffic Service
ATZ	Aerodrome Traffic Zone
AUTH	Authorized
AUW	All-up Weight
AUX	Auxiliary
AVBL	Available
AWIB	Aerodrome Weather Information Broadcast
AWIS	Aerodrome Weather Information Service
AWOS	Automated Weather Observing System
AWSS	Aviation Weather Sensor System
AWY	Airway
AZM	Azimuth

**B - BRAVO**

BASARNAS	Badan SAR Nasional (SAR)
Baro VNAV	Barometric Vertical Navigation
BC	Back Course
BCM	Back Course Marker
BCN	Beacon
BCOB	Broken Clouds or Better
BCST	Broadcast
BDRY	Boundary
BLDG	Building
BM	Back Marker
BRG	Bearing
B-RNAV	Basic RNAV
BS	Broadcast Station (Commercial)

### C - CHARLIE

C	ATC IFR Flight Plan Clearance - Delivery Frequency
CAE	Control Area Extension
CA/GRS	Certified Air/Ground Radio Service
CANPA	Constant Angle Non-Precision Approach
CARS	Community Aerodrome Radio Station
CAT	Category
CBA	Cross Border Area
CDFA	Continuous Descent Final Approach
CDI	Course Deviation Indicator
CDR	Conditional Route
CDT	Central Daylight Time
CEIL	Ceiling
CERAP	Combined Center/Radar Approach Control
CFIT	Controlled Flight Into Terrain
CGAS	Coast Guard Air Station
CGL	Circling Guidance Lights
CH	Channel
CH	Critical Height
CHGD	Changed
CL	Centerline Lights
CNF	Computer Navigation Fix
CO	County
COMLO	Compass Locator
COMMS	Communications
CONT	Continuous
CONTD	Continued
COORDS	Coordinates
COP	Change Over Point
CORR	Corridor
CP	Command Post
CPDLC	Controller Pilot Data Link Communications
Cpt	Clearance (Pre-Taxi Procedure)
CRP	Compulsory Reporting Point
CRS	Course
CST	Central Standard Time
CTA	Control Area
CTAF	Common Traffic Advisory Frequency
CTL	Control
CTOT	Calculated Take-off Time
CTR	Control Zone
CVFP	Charted Visual Flight Procedure
CVFR	Controlled VFR

### D - DELTA

D	Day
DA	Decision Altitude
DA (H)	Decision Altitude (Height)
D-ATIS	Digital ATIS
DCL	Data Link Departure Clearance Service
DCT	Direct
DECMSND	Decommissioned
DEG	Degree
DEP	Departure Control
DEPARTURE	Departure Procedure
DER	Departure End of Runway

DEWIZ	Distance Early Warning Identification Zone
DF	Direction Finder
DISPL THRESH	Displaced Threshold
DIST	Distance
DGCA	Directorate General Of Civil Aviation
DME	Distance-Measuring Equipment
DOD	Department of Defense
DOM	Domestic

### E - ECHO

E	East or Eastern
EAT	Expected Approach Time
EDT	Eastern Daylight Time
EET	Estimated Elapsed Time
EFAS	Enroute Flight Advisory Service
EFF	Effective
EFVS	Enhanced Flight Vision System
ELEV	Elevation
EMAS	Engineered Materials Arresting System
EMERG	Emergency
ENG	Engine
EOBT	Estimated Off Block Time
EST	Eastern Standard Time
EST	Estimated
ETA	Estimated Time of Arrival
ETD	Estimated Time of Departure
ETE	Estimated Time Enroute
ETOPS	Extended Range Operation with airplanes
EVS	Enhanced Vision System

### E - FOXTROT

FAA	Federal Aviation Administration
FACF	Final Approach Course Fix
FAF	Final Approach Fix
FAIL	Failure
FANS	Future Air Navigation System
FAP	Final Approach Point
FAR	Federal Aviation Regulation
FAT	Final Approach Track
FATO	Final Approach and Take-off Area
FCP	Final Control Point
FIC	Flight Information Center
FIR	Flight Information Region
FIS	Flight Information Service
FL	Flight Level (Altitude)
FLD	Field
FLG	Flashing
FLT	Flight
FM	Fan Marker
FMC	Flight Management Computer
FMS	Flight Management System
FPM	Feet Per Minute
FPR	Flight Planning Requirements
FREQ	Frequency
FSS	Flight Service Station
FT	Feet
FTS	Flexible Track System

**G - GOLF**

G	Guards only (radio frequencies)
GA	General Aviation
GBAS	Ground-Based Augmentation System
GCA	Ground Controlled Approach (radar)
GCO	Ground Communication Outlet
GEN	General
GLONASS	Global Orbiting Navigation Satellite System
GLS	Global Navigation Satellite System
[GNSS]	Landing System
GMT	Greenwich Mean Time
GND	Ground Control
GND	Surface of the Earth (either land or water)
GNSS	Global Navigation Satellite System
GP	Glidepath
GPS	Global Positioning System
GPWS	Ground Proximity Warning System
GS	Glide Slope
G/S	Ground Speed
GWT	Gross Weight

**H - HOTEL**

H	Non-Directional Radio Beacon or High Altitude
H-24	24.Hour Service
HAA	Height Above Airport
HALS	High Approach Landing System
HAS	Height Above Site
HAT	Height Above Touchdown
HC	Critical Height
HDG	Heading
HF	High Frequency (3-30 MHz)
HGS	Head-up Guidance System
HI	High (altitude)
HI	High Intensity (lights)
HIALS	High Intensity Approach Light System
HIRL	High Intensity Runway Edge Lights
HIWAS	Hazardous Inflight Weather Advisory Service
HJ	Hour Sunrise to Sunset
HN	Hour Sunset to Sunrise
HO	By Operational Requirements
hPa	Hectopascal (one hectopascal = one millibar)
HR	Hours (period of time)
HS	Hours of Scheduled Operations
HST	High Speed Taxiway Turn-off
HUD	Head-up Display
HUDLS	Head-Up Display Landing System
HX	No Specific Working Hours
Hz	Hertz (cycles per second)

**I - INDIA**

I	Island
IAC	Instrument Approach Chart
IAF	Initial Approach Fix
IAML	Integrity Monitor Alarm
IAP	Instrument Approach Procedure

IAS	Indicated Airspeed
IATA	International Air Transport Association
IAWP	Initial Approach Waypoint
IBN	Identification Beacon
ICAO	International Civil Aviation Organization
ID	Indonesia
IDENT	Identification
IF	Intermediate Fix
IFBP	Inflight Broadcast Procedure
IFR	Instrument Flight Rules
IGS	Instrument Guidance System
ILS	Instrument Landing System
IM	Inner Marker
IMAL	Integrity Monitor Alarm
IMC	Instrument Meteorological Conditions
IMTA	Intensive Military Training Area
INDEFLY	Indefinitely
IN or INS	Inches
INFO	Information
INOP	Inoperative
INS	Inertial Navigation System
INT	Intersection
INTL	International
IORRA	Indian Ocean Random RNAV Area
IR	Instrument Restricted Controlled Airspace
IS	Islands
ITWS	Integrated Terminal Weather System
I/V	Instrument/Visual Controlled Airspace

**J - JULIET**

JAA	Joint Aviation Authority
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**K - KILO**

KGS	Kilograms
kHz	Kilohertz
KIAS	Knots Indicated Airspeed
KM	Kilometers
KMH	Kilometer(s) per Hour
KT	Knots
KTAS	Knots True Airspeed

**L - LIMA**

L	Locator (Compass)
LAA	Local Airport Advisory
LAAS	Local Area Augmentation System
LACFT	Large Aircraft
LAHSO	Land and Hold Short Operations
LAT	Latitude
LBCM	Locator Back Course Marker
LBM	Locator Back Marker
LUBS	Pounds (Weight)
LCG	Load Classification Group
LCN	Load Classification Number Lctr
	Locator (Compass)
LDA	Landing Distance Available
LDA	Localizer-type Directional Aid
LDI	Landing Direction Indicator

LDIN	Lead-in Light System
LGTH	Length
LIM	Locator Inner Marker
LIRL	Low Intensity Runway Lights
LLWAS	Low Level Wind Shear Alert System
LMM	Locator Middle Marker
LNAV	Lateral Navigation
LNDG	Landing
LO	Locator at Outer Marker Site
LOC	Localizer
LOM	Locator Outer Marker
LONG	Longitude
LPV	Localizer Performance with Vertical Guidance
LSALT	Lowest Safe Altitude
LT	Local Time
LTS	Lights
LVP	Low Visibility Procedures
LWIS	Limited Weather Information System

### M - MIKE

M	Meters
MAA	Maximum Authorized Altitude
MAG	Magnetic
MAHF	Missed Approach Holding Fix
MALS	Medium Intensity Approach Light System
MALSF	Medium Intensity Approach Light System with Sequenced Flashing Lights
MALSR	Medium Intensity Approach Light System with Runway Alignment Indicator Lights
MAP (MAP't)	Missed Approach Point
MAX	Maximum
MB	Millibars
MCA	Minimum Crossing Altitude
MCAF	Marine Corps Air Facility
MCAS	Marine Corps Air Station
MCTA	Military Controlled Airspace
MDA	Minimum Descent Altitude
MDA(H)	Minimum Descent Altitude (Height)
MDT	Mountain Daylight Time
MEA	Minimum En-route Altitude
MEF	Maximum Elevation Figure
MEHT	Minimum Eye Height Over Threshold
MEML	Memorial
MET	Meteorological
MF	Mandatory Frequency
MFA	Minimum Flight Altitude
MHA	Minimum Holding Altitude
MHz	Megahertz
MI	Medium Intensity (lights)
MIALS	Medium Intensity Approach Light System
MIL	Military
MIM	Minimum
MIN	Minute
MIRL	Medium Intensity Runway Edge Lights
MKR	Marker Radio Beacon

MLS	Microwave Landing System
MM	Middle Marker
MNM	Minimum
MNPS	Minimum Navigation Performance Specifications
MOA	Military Operation Area
MOCA	Minimum Obstruction Clearance Altitude
MORA	Minimum Off-Route Altitude (Grid or Route)
MRA	Minimum Reception Altitude
MSA	Minimum Safe/Sector Altitude
MSL	Mean Sea Level
MST	Mountain Standard Time
MTA	Military Training Area
MTAF	Mandatory Traffic Advisory Frequency
MTCA	Minimum Terrain Clearance Altitude
MTMA	Military Terminal Control Area
MTOW	Maximum Take-off Weight
MUN	Municipal
MVA	Minimum Vectoring Altitude

### N - NOVEMBER

N	Night, North or Northern
NA	Not Authorized
NAAS	Naval Auxiliary Air Station
NADC	Naval Air Development Center
NAEC	Naval Air Engineering Center
NAF	Naval Air Facility
NALF	Naval Auxiliary Landing Field
NAP	Noise Abatement Procedure
NAR	North American Routes
NAS	Naval Air Station
NAT	North Atlantic Traffic
NAT/OTS	North Atlantic Traffic/Organized Track System
NATL	National
NAVAID	Navigational Aid
NCA	Northern Control Area
NCRP	Non-Compulsory Reporting Point
NDB	Non-Directional Beacon/Radio Beacon
NE	Northeast
NM	Nautical Mile(s)
No	Number
NoPT	No Procedure Turn
NOTAM	Notices to Airmen
NPA	Non-Precision Approach
NW	Northwest
NWC	Naval Weapons Center

### O - OSCAR

O/A	On or About
OAC	Oceanic Area Control
OAS	Obstacle Assessment Surface
OCA	Oceanic Control Area
OCA (H)	Obstacle Clearance Altitude (Height)
OCL	Obstacle Clearance Limit
OCNL	Occasional

OCTA	Oceanic Control Area
ODALS	Omni-Directional Approach Light System
OM	Outer Marker
OPS	Operations or Operates
OLS	Obstacle Limitation Survice
O/R	On Request
O/T	Other Times
OTR	Oceanic Transition Route
OTS	Out-of-Service

### **P - PAPA**

PA	Precision Approach
PAL	Pilot Activated Lighting
PANS-OPS	Procedures for Air Navigation Services - Aircraft Operations
PAPI	Precision Approach Path Indicator
PAR	Precision Approach Radar
PCL	Pilot Controlled Lighting
PCN	Pavement Classification Number
PCZ	Positive Control Zone
PDC	Pre-Departure Clearance
PDG	Procedure Design Gradient
PDT	Pacific Daylight Time
PERM	Permanent
PinS	Point In Space
PISTON	Piston Aircraft
PJE	Parachute Jumping Exercise
PLASI	Pulsating Visual Approach Slope Indicator
POLUD	Polisi Udara (Air Police)
POFZ	Precision Obstacle Free Zone
PPO	Prior Permission Only
PPR	Prior Permission Required
PRA	Precision Radar Approach
PRM	Precision Radar Monitor
P-RNAV	Precision RNAV
PROC	Procedure
PROP	Propeller Aircraft
PSP	Pierced Steel Planking
PST	Pacific Standard Time
PTO	Part Time Operation
PVT	Private Operator

### **Q - QUEBEC**

QDM	Magnetic bearing to facility
QDR	Magnetic bearing from facility
QFE	Height above airport elevation (or runway threshold elevation) based on local station pressure
QNE	Altimeter setting 29.92" Hg or 1013.2 Mb.
QNH	Altitude above sea level based on local station pressure

### **R - ROMEO**

R	R-063 or 063R Magnetic Course (radial) measured as 063 from a VOR station. Flight can be inbound or outbound on this line.
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RA	Radio Altimeter
RAI	Runway Alignment Indicator
RAIL	Runway Alignment Indicator Lights
RAIM	Receiver Autonomous Integrity Monitoring
RAPCON	Radar Approach Control
RASS	Remote Altimeter Source
RCAG	Remote Communications Air Ground
RCC	Rescue Coordination Center
RCL	Runway Centerline
RCLM	Runway Center Line Markings
RCO	Remote Communications Outlet
REF	Reference
REIL	Runway End Identifier Lights
REP	Reporting Point
RESA	Runway End Safety Area
REV	Reverse
REP	Ramp Entrance Point
RF	Radius to Fix
RL	Runway (edge) Lights
RNAV	Radio Area Navigation
RNP	Required Navigation Performance
RNPC	Required Navigation Performance Capability
ROC	Rate of Climb
RON	Remain Overnight
RPT	Regular Public Transport
RSA	Runway Safety Area
RTE	Route
RTF	Radiotelephony
RTS	Return to Service
RVR	Runway Visual Range
RVSM	Reduced Vertical Separation Minimum
RVV	Runway Visibility Values
RWY	Runway

### **S - SIERRA**

S	South or Southern
SAAAR	Special Aircrew and Aircraft Authorization Required
SALS	Short Approach Light System
SALSF	Short Approach Light System with Sequenced Flashing Lights
SAP	Stabilized Approach
SAR	Search and Rescue
SATCOM	Satellite voice air-ground calling
SAWRS	Supplementary Aviation Weather Reporting Station
SBAS	Satellite-Based Augmentation System
SCA	Southern Control Area
SCOB	Scattered Clouds or Better
SDF	Simplified Directional Facility
SE	Southeast
SEC	Seconds
SELCAL	Selective Call System
SFC	Surface of the earth (either land water)
SFL	Sequenced Flashing Lights
SFL-V	Sequenced Flashing Lights - Variable Light Intensity
SID	Standard Instrument Departure

SIWL	Single Isolated Wheel Load	THR	Threshold
SKD	Scheduled	TIBA	Traffic Information Broadcast by Aircraft
SLP	Speed Limiting Point	TL	Transition Level
SM	Statute Miles	TMA	Terminal Control Area
SMA	Segment Minimum Altitude	TML	Terminal
SMGCS	Surface Movement Guidance and Control System	TMN	Terminates
SMSA	Segment Minimum Safe Altitude	TMZ	Transponder Mandatory Zone
SOC	Start of Climb	TNA	Transition Area
SODALS	Simplified Omnidirectional Approach Lighting System	TNI	Tentara Nasional Indonesia (Indonesian Army)
SPAR	French Light Precision Approach Radar	TODA	Take-off Distance Available
SRA	Special Rules Area	TORA	Take-off Run Available
SRA	Surveillance Radar Approach	TP	Turning Point
SRE	Surveillance Radar Element	TRACON	Terminal Radar Approach Control
SR-SS	Sunrise-Sunset	TRANS	Transition(s)
SSALF	Simplified Short Approach Light System with Sequenced Flashing Lights	TRANS ALT	Transition Altitude
SSALR	Simplified Short Approach Light System with Runway Alignment Indicator Lights	TRANS LEVEL	Transition Level
SSALS	Simplified Short Approach Light System	TRCV	Tri-Color Visual Approach Slope Indicator
SSB	Single Sideband	TSA	Temporary Segregated Area
SSR	Secondary Surveillance Radar (in U.S.A. ATCRBS)	TVOR	Terminal VOR
STAR	Standard Instrument Arrival	TWEB	Transcribed Weather Broadcast
STD	Indication of an altimeter set to 29.92" Hg or 1013.2 Mb without temperature correction	TWIP	Terminal Weather Information for Pilots
Std	Standard	TWR	Tower (Aerodrome Control)
ST-IN	Straight-in	TWY	Taxiway
STOL	Short Take-off and Landing		
SUPP	Supplement		
SW	Single Wheel Landing Gear		
SW	Southwest		
SYS	System		

## T - TANGO

T	Terrain clearance altitude (MOCA)
T	Transmits only (radio frequencies)
T-VASI	Tee Visual Approach Slope Indicator
TA	Transition Altitude
TAA	Terminal Area Altitude
TACAN	Tactical Air Navigation (bearing and distance station)
TAS	True Air Speed
TCA	Terminal Control Area
TCAS	Traffic Alert and Collision Avoidance System
TCH	Threshold Crossing Height
TCTA	Transcontinental Control Area
TDWR	Terminal Doppler Weather Radar
TDZ	Touchdown Zone
TDZE	Touchdown Zone Elevation
TEMP	Temporary
TERPS	United States Standard for Terminal Instrument Procedure

## U - UNIFORMO

U	Unspecified
U	UNICOM
UFN	Until Further Notice
UHF	Ultra High Frequency (300-3000MHz)
UIR	Upper Flight Information Region
UNCT'L	Uncontrolled
UNICOM	Aeronautical Advisory Service (A) Automated UNICOM
UNL	Unlimited
U/S	Unserviceable
USB	Upper Sideband
UTA	Upper Control Area
UTC	Coordinated Universal Time

## V - VICTOR

VAR	Variation Magnetic
VASI	Visual Approach Slope Indicator
VDP	Visual Descent Point
VE	Visual Exempted
VFR	Visual Flight Rules
VGSI	Visual Glide Slope Indicator
VHA	Volcanic Hazard Area
VHF	Very High Frequency
VIS	Visibility
VMC	Visual Meteorological Conditions
VNAP	Vertical Noise Abatement Procedures
VNAV	Vertical Navigation
VOLMET	Meteorological Information for Aircraft in Flight
VOR VHF	Omnidirectional Range
VORTAC	VOR and TACAN co-located



VOT	VOR Radiated Test Signal
VPA	Vertical Path Angle
VV	Vertical Visibility
V/V	Vertical Velocity or speed
WAAS	Wide Area Augmentation System

### **W - WHISKEY**

W	West or Western
W/O	Without
WP	Waypoint
WSP	Weather Systems Processor
WX	Weather

### **X - X-RAY**

X	On Request
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### **Z - ZULU**

Z	Zulu Time
Z	Coordinated Universal Time (UTC) Zulu Time