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MCDU DATA FORMAT LIST

The following chart lists all the data the pilot may enter on the MCDU.

It also shows the acceptable format for the various data items, the acceptable range, the units of entry, and the MCDU pages on which the data can be entered.

The following codes are used to indicate various data formats :

- A : letters
- N : numbers
- X : letters and numbers

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DATA NAME	FORMAT	RANGE (X is input)	UNITS	DISPLAY PAGE
ACCEL ALT	See ALT		ft (MSL)	TAKEOFF GO AROUND
ALT	NNNN or NNNNN (Leading zeros must be included)	Max alt = 41 000 Entry is rounded to the nearest 10 feet	ft (MSL)	F-PLNA VERTREV SEC F-PLNA STEP ALTS PERFCLB PERF DES CLIMBWIND CRUISE WIND DESCENT WIND PROG INIT A SEC INIT A SEC F-PLN A
ALTN	Same as ARPT	Same as ARPT		INITA
ALTN RTE	Same as CORTE	Same as CO RTE	N/A	INITA
ARPT	AAAA 1 character minimum. 4 maximum.	If AAAA is not in the data base airport file New Runway page is displayed		INIT A LAT REV ALTN F-PLN A and B SEC F- PLN A and B WAYPOINT DIR TO PROG
AIRWAYS (VIA)	XXXXX	If not in data base, "NOT IN DATA BASE" is displayed	N/A	AIRWAYS
BLOCK FUEL	NNN.N leading zeros may be omitted.	0-150.0 thousands of kg 0- 330,7thousands of lbs	Thousands of Kg or lbs (pin program)	INITB
CABIN RATE	NNN	100 - 999 in 1ft/min increments	ft/min	PERF CRZ
CG	NN.N	8.0 - 50.0	% MAC	FUEL PRED
CHANNEL	NNN	500-699		NEW NAVAID RAD NAV
CLASS (navaid)	AAAAAA (refer to range for exact inputs allowed)	VOR DME VORDME VORTAC LOC, ILS NDB MLS TACAN	N/A	NEW NAVAID

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DATA NAME	FORMAT	RANGE (X is input)	UNITS	DISPLAY PAGE
CORTE	XXXXXXXX Up to 10 alphanumeric characters may be entered	If not in the NAV data base, a message will be displayed	N/A	ROUTE NEW ROUTE INIT A
COST INDEX	NNN may be entered as 1-3 digits ; leading zeros may be omitted	0-999	Kg/Mn or 100 Lb/h according to Lb/Kg pin program	INIT A PERF CLB PERF CRZ PERF DES
CRS	NNN leading zeros may be omitted Entry of 360 = 0	0-360	Degrees	RADIO NAV NEW NAVAID
CRZ FL	Must be entered as flight level	Maximum : FL450	FL (MSL)	INIT A SECINITA PROG
CRZ TEMP	See TEMP		See TEMP	INIT A FUEL PREDICTION SECINIT A
DH	NNN "NO" may be entered	0-700	ft	APPROACH
DIST	NN.N (leading and trailing zeros may be omitted)	0-99.9 in 1NM increments	NM	HOLD
DIST	NNNN	0-9999 in 1NM increments	NM	ALTN
DRT TO	"D"NN	Eight possible values		PERF TAKEOFF
EFF WIND	± NNN "+" may be entered as "T" or "TL" "-" may be entered as "H" or "HD" Leading zeros may be omitted If no sign is input, "+" is taken	0-500	kts	CLOSEST AIRPORT EQUI-TIME INIT A SEC INT A
ELV	± NNNN if + or - is not input, assume + ; leading zeros may be omitted	-1000 - + 20470	ft (MSL)	NEWNAVAID(NAVAID) NEW WAYPOINT
EO ACC ALT	Same as ALT		ft (MSL)	PERF TAKEOFF/ GO AROUND

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DATA NAME	FORMAT	RANGE (X is input)	UNITS	DISPLAY PAGE
ETT	Estimated takeoff time same as UTC/TIME	0000-9959	HOURL : (2 first N) MIN : (2 last N)	VERT REV F-PLN
ETT/RTA 	HH:MM:SS	00:00:00 to 23:59:59	Hour HH Min MM Sec SS	RTA
EXTRA/TIME	± NNN.N/NNNN	± Max. Block/GMT		INITB SECINITB FUEL PRED
FIGOF MERIT	N	0-3	N/A	NEWNAVAID
FINAL/TIME	Only one may be entered at a time. To input FINAL enter NNN.N to input TIME enter/NNNN	FINAL = 0-100 Time = 0-90 min	Thousands of kg or Lbs (pin pgm) minutes	INIT B FUEL PREDICTION SEC INT B
FLAPS	N	0,1, 2, or 3		TAKEOFF
FLEX TO TEMP	1. If Derated TO option not implemented : same as TEMP 2. If Derated TO option is implemented : F NN		NN in degrees centigrade	TAKEOFF
FLIGHT LEVEL	FLNNN or NNN Leading zeros on NNN may be omitted	Maximum FL 450	Hundreds of ft (MSL)	F-PLN A PROGVERT REVINITASEC INITA SEC F-PLN A STEP ALTS PERFCLB PERF DES CLIMB WIND CRUISE WIND DESCENT WIND
FLT NBR	XXXXXXXXXX Up to 10 alphanumeric characters may be entered			INIT A
FREQ	NNN.NN point may be omitted if no decimal part.	108.00 - 117.95	MHz	PROG RADIO NAV NEWNAVAID
FREQ (ADF)	NNNN.Npoint may be omitted if no decimal part, leading zeroes may be omitted.	190.0 - 1750.0	KHz	RADIONAV

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DATA NAME	FORMAT	RANGE (X is input)	UNITS	DISPLAY PAGE
FROM/TO	AAAA /AAAA See "ARPT"	AAAA must be in data base	N/A	INIT A
GMT	HHMM Where HH are hours and MM are minutes Leading zeros may be omitted. 1 or 2 digit entry is interpreted as minutes.	HH : 0-23 MM : 0-59	Hours minutes	VERTREV
GW	NNN.N Leading and trailing zeros may be omitted	35-0 - 350.0	Thousands of kg or Lbs (pin program)	FUELPREDICTION
IDLE FACTOR	± N.N Leading and trailing zeros may be omitted	-9.9 - +9.9	%	A/CSTATUS
INB CRS	NNN Leading zeros may be omitted. An entry of 360 is displayed as 0.	0-360	Degrees	HOLD
INCR	NN	1 - 20	Degrees	LATREV
JETGW	NNN.N Leading and trailing zeros may be omitted	See 4-03-FUELPRED key - 350.0	Thousands of kg or Lbs (pin program)	FUEL PREDICTION
LAT	DDMM.MB or BDDMM.M DD - degrees, MM.M - minutes, B - direction. Leading zeros may be omitted but the direction (B) is necessary. Latitude is displayed as DDMM.MB	B : N or S O, DD ≤ 90 O, MM.M, 59.9	Degree minutes tenths of minutes	INITA
LAT/LONG	LAT/LONG Same as LAT and LONG except both must be entered with / in between	Same as LAT and LONG	Same as LAT and LONG	PROG F-PLN A and B NEW WAYPOINT NEW NAVAID SEC F-PLN A and B DIR TO LAT REV NEW RUNWAY
LENGTH	NNNNN Leading zeros may be omitted	1000-8000 m 3282- 26347ft	Meters or ft (pin program)	NEW RUNWAY

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DATA NAME	FORMAT	RANGE (X is input)	UNITS	DISPLAY PAGE
LONG	DDMM.MB or BDDMM.M DDD - degrees o MM.M - minutes B- direction. Leading zeros may be omitted but the direction (B) is necessary Longitude is displayed as DDDMM.MB	B: E or W 0 ≤ DDD ≤ 180 0 ≤ MM.M ≤ 59	Degrees minutes tenths of minutes	INITA
MACH	.NN The decimal point is necessary. Trailing zeros are not necessary	MAX = MMO	Mach Number	PERF CLB PERFCRZ PERF DES
MACH/SPD	MACH and SPD must be entered with / between (see MACH and SPD formats)	Same as MACH and SPD	Same as MACH and SPD	PERFDES PERFCLB
MDA	NNNN (leading zeros may be omitted)	Landing elevation - Landing elevation + 5000 ft	ft (MSL)	APPROACH
MDH	± NNNNN	0 - 5000	ft (AGL)	APPROACH
NAVAID	XXXX Up to 4 alphanumeric characters may be entered	Any alphanumeric	N/A	PROG NEW NAVAID NAVAID F-PLN A and B LATREV SEC F-PLN A and B DIR TO RADIO NAV SELECTED NAVAID
NO	NNnumber of LLXING	1-99		LATREV
OFST	NNB or BNN NN - offset distance B - direction Leading zero on distance any be omitted. OFST will always be displayed as BNN	B: L or R 1 < NN < 50	NM	LATREV

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DATA NAME	FORMAT	RANGE (X is input)	UNITS	DISPLAY PAGE
PLACE/ BRG/DIST	PLACE : can be any data base (or pilot defined) ARPT , RWY NAVAID or WAYPOINT entry, without decimal digit. An entry of BRG = 360 is displayed as 0. Nota : True/Mag ref. TBD DIST : is NNN.N where leading zeros may be omitted ; all 3 parameters must be entered with "/" between entries	PLACE - If not in data base, a message "NOT IN DATA BASE" is displayed - BRG : must be a 3 digits BRG = 000 -360 DIST = 0.999.9	N/A degrees NM	F-PLN A and B SEC F-PLN A and B LAT REV NEWWAYPOINT PROG DIR TO STEP ALTS
PERFFACTOR	± N.N (leading or trailing zero may be omitted)	-9.9 - +9.9	%	A/CSTATUS
PLACE-BRG/ PLACE-BRG	Same as for PLACE/ BRG/DIST A PLACE - BRG couple is entered with a dash in the middle. 2 couples have to be entered with "/" between	Same as for PLACE/BRG/ DIST except for PLACE : in each of couple, PLACE is limited to 5 characters. couples	Same as for PLACE/BRG/DIST	Same as for PLACE/ BRG/DIST
PLACE/DIST	PLACE : same as for PLACE/BRG/DIST DIST : same as for PLACE/ BRG/DIST	PLACE : same as for PLACE/ BRG/DIST DIST : 0-999.9	N/A NM	F-PLN A and B SEC F-PLN A and B LAT REV NEW WAYPOINT DIR TO STEP ALTS
QNH	NNNN (leading or trailing zero may be omitted).	745.0 - 1050.0	Hecto Pascals	APPROACH VERT REV
	NN.NN (leading or trailing zeros may be omitted).	22.00 - 31.00	In. Hg	
RADIAL IN	NNN(T) 3 digits entry with True/Mag reference.	000-360	Degrees	DIRTO

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DATA NAME	FORMAT	RANGE (X is input)	UNITS	DISPLAY PAGE
RADIAL OUT	NNN(T) 3 digits entry with True/Mag reference	000-360	Degrees	DIR TO FIX INFO 1 and 2
RTE RSV RTE RSV%	Only one may be entered at a time To input RTE RSV enter/ NNN.N To input RTERSV enter/ NN.N	RTERSV= 0-25,600KG RTE RSV%= 0-15 %	Thousands of KG or Lbs (pin pgm) %	INIT B FUEL PREDICTION
REQUIRED (navigation accuracy)	NN.NN (leading or trailing zeros may be omitted)	0.01-200	NM	PROG
RWY	AAAAANNND Where AAAA is same as ARPT NN is runway number (2 digits must be entered) D is L or R or C if there is more than one runway with the same number at the airport. D is not included unless there is more than one runway with the same number at AAAA.			RUNWAY NEW RUNWAY
SATELLITE NUMBER	NN (leading zero may be omitted)	1-99	N/A	PREDICTIVE GPS
SAT/ALT	TEMP/ALT	See TEMP and ALT	N/A	CRUISE WIND
SET HDG	NNN/N (leading and trailing zeros may be omitted) will always be displayed as NNN/N	000.0 - 360.0	Degrees	IRS MONITOR
SLOPE	NN.N	00.0-90.0	Degrees	NEW NAVAID

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DATA NAME	FORMAT	RANGE (X is input)	UNITS	DISPLAY PAGE
STATION DEC	NNND Where NNN is the declination and D is the direction. Leading zeros may be omitted. D is not required for an entry of zero declination	NN : 00-180 D : E or W	Degrees	NEW NAVAID
STEP ALT	SNNN or NNNS (where NNN is in Flight Level) or SNNNNN or NNNNNS (where NNNNN is in ALT) Leading zeros may be omitted	Same as Flight Level or ALT	Same as Flight Level or ALT	F-PLN A
SPD	NNN (must be 3 numerics)	MAX VMO MIN = 100 kt	kt (CAS)	F-PLN A SEC F-PLN A VERT REV PERF CLB PERF CRZ PERFDES
SPD LIM	SSS/NNNNN SSS is a speed NNNNNN is an ALT or FLIGHT LEVEL (see ALT and FLIGHT LEVEL)	SSS same as SPD	kt/ft (MSL) or kt/FL	VERT REV
SPD/MACH	See MACH/SPD	Same as MACH and SPD	Same as MACH and SPD	PERF CLB PERF DES
TAXI	N.N Leading or trailing zeros may be omitted	0-9.9	Thousands of kg or Lbs	INIT B
TEMP	± NN If no sign, assume +		Degrees centigrade	APPROACH
THRREDALT	Same as ALT	400 ft AGL mini	ft (MSL)	TAKEOFF GO AROUND
THS	AAN.N or N.NAA where AA is UP or DN (DOWN)	max UP = 7.0 max DN = 5.0 min UP and DN is 0.0 the increment value is .1	Degrees	TAKEOFF
TIME	N.N	0-9.9	Minutes	HOLD
TIME MARK.	See GMT	See GMT	Hours Minutes	F-PLN A and B

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DATA NAME	FORMAT	RANGE (X is input)	UNITS	DISPLAY PAGE
T.O.SHIFT	NNNN	1 - Length of origin runway	m or ft	TAKEOFF
TRANS ALT	Same as ALT	400 ft AGLmin	ft (MSL)	TAKEOFF APPROACH
TRIPWIND	See EFFWIND		kts	INITA SECINITA
TROPO	Same as ALT	Same as ALT	ft	FUEL PREDICTION
UPDATE AT	Same as WAYPOINT	Same as waypoint	N/A	PROG
UTC/TIME	NNN	0000-9959	Hour (2 first N) Min. (2 last N)	HOLD VER REV PREDICTIVE GPS
V1	Same as SPD		kt (CAS)	TAKEOFF
V2	Same as SPD		kt (CAS)	TAKEOFF
VR	Same as SPD		kt (CAS)	TAKEOFF
VAPP	Same as SPD		kt (CAS)	APPROACH
WAYPOINT	XXXXXXXX - may be from 1-7 characters for waypoint. Acceptable as waypoint Ident : SEC ARPT NAVAID WAYPOINT LAT/LONG, PLACE.BRG/ PLACE.BRG PLACE.BRG/DIST PLACE/DIST may be entered to define a waypoint			WAYPOINT NEW WAYPOINT F-PLN A and B F-PLN A and B LAT REV PROG DIR TO FIXINFO1 and 2 EQUI TIME PT STEP ALTS PREDICTIVE GPS
WIND DIR/WIND MAG	NNN/NNN Both must be entered ; leading zeros may be omitted. An entry of WIND DIR = 360 is displayed as 0.	WIND DIR : 0-360 WIND MAG : 0-500	Degrees Kt	PERF APPR CLIMB WIND CRUISE WIND DESCENT WIND

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DATA NAME	FORMAT	RANGE (X is input)	UNITS	DISPLAY PAGE
TRANS ALT	Same as ALT	400 ft AGL min	ft (MSL)	TAKEOFF APPROACH
TRIP WIND	See EFF WIND		kts	INIT A SEC INIT A
TROPO	Same as ALT	Same as ALT	ft	FUEL PREDICTION
UPDATE AT	Same as WAYPOINT	Same as waypoint	N/A	PROG
UTC/TIME	NNN	0000–9959	Hour (2 first N) Min. (2 last N)	HOLD VER REV PREDICTIVE GPS
V1	Same as SPD		kt (CAS)	TAKEOFF
V2	Same as SPD		kt (CAS)	TAKEOFF
VR	Same as SPD		kt (CAS)	TAKEOFF
VAPP	Same as SPD		kt (CAS)	APPROACH
WAYPOINT	XXXXXXXX–may be from 1 - 7 characters for waypoints. Acceptable as waypoint Ident : SEC ARPT NAVAID WAYPOINT LAT/LONG. PLACE.BRG/ PLACE.BRG PLACE.BRG/DIST PLACE/DIST may be entered to define a waypoint			WAYPOINT NEW WAYPOINT F–PLN A and B F–PLN A and BLAT REV PROG DIR TO FIX INFO 1 and 2 EQUI TIME PT STEP ALTS PREDICTIVE GPS
WIND DIR/WIND MAG	NNN/NNN Both must be entered ; leading zeros may be omitted. An entry of WIND DIR = 360 is displayed as 0.	WIND DIR : 0.360 WINDMAG : 0–500	Degrees Kt	PERF APPR CLIMB WIND CRUISE WIND DESCENT WIND

DATA NAME	FORMAT	RANGE (X is input)	UNITS	DISPLAY PAGE
WIND DIR/ WIND/MAG/ ALT	NNN/NNN/FL NNN or NNN/NNN/NN NNN	WIND DIR 0-360	Degrees	CIMB WIND CRUISE WIND DESCENT WIND
	NNN-Leading zero not necessary.An entry of Wind DIR = 360 is displayed as O.	WIND MAG 0-200 same as ALT	/kt /ft MSL	
ZFW	NNN.N Leading and trailing zeros may be omitted	35-350.0	Thousands of kg or Lbs	INITB
ZFWCG	Same as CG	Same as CG	Same as CG	INIT B