

#### AUTO FLIGHT - FLIGHT MANAGEMENT

CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

### MCDU DATA FORMAT LIST

Ident.: DSC-22\_20-50-30-00000920.0022001 / 23 JUN 15 Applicable to: MSN 02155-02274

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

DATA NAME	FORMAT	RANGE (X is input)	UNITS	DISPLAY PAGE
ACCEL ALT	See ALT	(**********	ft (MSL)	TAKEOFF (ACT/SEC <sup>(2)</sup> ) GO AROUND (ACT/SEC <sup>(2)</sup> )
ALT	NNNN or NNNNN (leading zeros must be included)	Max ALT = 39 000 Entry is rounded to the nearest 10 ft	ft (MSL)	PERF CLB PERF DES
ALT CSTR	See ALT	See ALT	ft (MSL)	VERT REV F-PLN A SEC F-PLN A
AIRWAYS (VIA)	XXXX	If not in data base "NOT IN DATA BASE" is displayed	N/A	LAT REV AIRWAYS ≪
ARPT	AAAA 1 character minimum. 4 maximum.	If AAAA is not in the database airport file, the New Runway page is displayed		INIT A (ACT/SEC <sup>(2)</sup> ) LAT REV ALTN F-PLN A-B (ACT/SEC <sup>(2)</sup> ) WAYPOINT DIR TO
BLOCK FUEL	NN.N leading zeros may be omitted.	0-80/0-175.2	Thousands of Kg or thousands of Lb	INIT B (ACT/SEC <sup>(2)</sup> )
CABIN RATE	- NNN (- may be omitted)	100 - 999	ft/min	DES FORECAST or CRUISE PERF PAGE ≪
CG	NN.N	8.0 - 45.0	% MAC	INIT B. (ACT/SEC <sup>(2)</sup> ) FUEL PRED
CHANNEL ≪	NNN	500 - 699		NEW NAVAID RAD NAV



### AUTO FLIGHT - FLIGHT MANAGEMENT

CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

A318/A319/A320/A321 FLIGHT CREW OPERATING MANUAL

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
	-	(X is input)		
CLASS (NAVAID)	(refer to RANGE for exact inputs allowed)	VOR DME VORDME VORTAC LOC, ILS NDB ILSDME MLS ≪ TACAN ≪	N/A	NEW NAVAID
CO RTE	XXXXXXX 7 or 10 characters (pin program)	If not in the NAVdatabase, a message will be displayed	N/A	INIT A ROUTE SELECTION NEW ROUTE ALTERNATE
COST INDEX	NNN may be entered as 1-3 digits; leading zeros lay be omitted	0 to 999	Kg/Min or 100 lb/Hr	INIT A (ACT/SEC <sup>(2)</sup> ) PERF CLB (ACT/SEC <sup>(2)</sup> ) PERF CRZ (ACT/SEC <sup>(2)</sup> ) PERF DES (ALT/SEC <sup>(2)</sup> )
CRS	See INB CRD	See INB CRS	degrees	RADIO NAV NEW NAVAID NEW RUNWAY
CRZ FL	Must be entered as FLIGHT LEVEL	Maximum FL (See FLIGHT LEVEL)	Hundred of ft	INIT A (ACT/SEC <sup>(2)</sup> ) PROG
CRZ TEMP	See TEMP		See TEMP	INIT A (ACT/SEC <sup>(2)</sup> ) FUEL PREDICTION
CRZ WIND	See WIND DIR/MAG	See WIND DIR/MAG	See WIND DIR/MAG	INIT A (ACT/SEC <sup>(2)</sup> ) FUEL PREDICTION
DH	NNN	0 - 700 No is accepted if an ILS APPR is selected	ft	PERF APPR (ACT/SEC <sup>(2)</sup> )
DIST	NN.N leading and trailing 0's may be omitted.	0 - 99.9 or 0 - 999 (or 9999 ≪ )	NM NM	HOLD ALTN
DRT TO ৰ	"D"NN	Eight possible values		PERF TAKEOFF



FLIGHT CREW

OPERATING MANUAL

### AIRCRAFT SYSTEMS

### AUTO FLIGHT - FLIGHT MANAGEMENT

CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)	- Chille	DIOTERTTAGE
EFF WIND ৰ	± NNN	0 - 500	kts	CLOSEST
	"+" may be entered	0 - 300	RIS	AIRPORT
	as "T" or "TL"			EQUI-TIME
	"-" may be entered as			INIT A
	"H" or "HD"			SEC INTA
	Leading zeros may			SLO INTA
	be omitted			
	If no sign is input, "+"			
	lis taken			
	1			
ELV	± NNNN	Entry displayed to	ft (MSL)	
	if no sign, + assumed	nearest 10 ft -400 to 20 470 ft		NEW RUNWAY
	Leading 0's may be omitted	(RWY) (or - 1000 to 20 470 ft		
	omitted	\ \		
		≪ )		
		-2 000 to 20 470		NEW NAVAID
		(NAVAID)		
ETT/RTA <	HH:MM:SS	00:00:00 to 23:59:59	Hour HH	RTA
			Min MM	
			Sec SS	
FF/FQ Sensors	One or both may be		N/A	FUEL PREDICTION
	entered,			
	Both - /FF + FQ			
	or - / FQ + FF			
	Fuel flow - /FF			
	Fuel Quantity - / FQ			
FIG OF MERIT	Ν	0 - 3	N/A	NEW NAVAID
FINAL/TIME	Only one may be	FINAL 0 - 10.0	Thousand of kg	FUEL PRED
	entered at a time.	(or 0 - 100 < )	or Thousand	INIT B
	NN.N or (NNN.N	or	of lb minutes	
		0 - 22.0		
	NNNN for TIME	0 - 90		
		TIME		
FLAPS	1	0, 1, 2, or 3		TAKEOFF
· •		,		-



## AIRCRAFT SYSTEMS

### AUTO FLIGHT - FLIGHT MANAGEMENT

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
FLEX TO TEMP	<ol> <li>If Derated TO option not implemented: same as TEMP</li> <li>If Derated TO option is implemented: F NN</li> </ol>		NN in degrees centigrade	TAKEOFF
FLIGHT LEVEL	FLNNN or NNN Leading zeros on NNN may be omitted	Max FL = 390 (or Max FL = 410 )	Hundreds of ft (MSL)	F-PLN A-B, PROG VERT REV INIT A (ACT, SEC <sup>(2)</sup> ) PERF CLB PERF DES STEP PRED STEP ALTS <i>⊂</i> €
FLIGHT NUMBER	The 8 alphanumeric are not mandatory	N/A	N/A	INIT A F-PLN A-B
FOB	NN.N (leading zeros may be omitted)	See BLOCK	Thousands of kg or Thousands of Lb	FUEL PREDICTION
FREQ	NNN.NN ILS/VOR NNN.N NDB	108.00 - 117.95 190.0 - 1 750.0	MHz KHz	PROG. NEW NAVAID RADIO NAV
FROM/TO	AAAA /AAAA	AAAA must be in data base or message will be displayed	N/A	INIT A (ACT/SEC <sup>(2)</sup> )
GW	NN.N Leading and trailing zeros may be omitted	35 - 99.9 or 77.2 - 218	Thousands of kg or Thousands of Lb	FUEL PREDICTION
IDLE FACTOR ≪	± N.N Leading and trailing zeros may be omitted	-9.9. +9.9	%	A/C STATUS
INB CRS	NNN Leading zeros may be omitted. An entry of 360 is displayed as 0.	000 - 359	Degrees	HOLD



#### **AUTO FLIGHT - FLIGHT MANAGEMENT**

A318/A319/A320/A321 FLIGHT CREW OPERATING MANUAL

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the p	previous	page
----------------------	----------	------

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
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 0 ≤ DD ≤ 90 0 ≤ MM.M ≤ 59.9	Degree minutes tenths of minutes	INIT A (ACT/SEC <sup>(2)</sup> )
LAT/LONG	LAT/LONG See LAT and See LONG except both must be entered with "/" in between	See LAT and See LONG	See LAT and See LONG	F-PLN A-B (ACT/SEC <sup>(2)</sup> ) PROG NEW WAYPOINT NEW NAVAID DIR TO LAT REV NEW RUNWAY
LENGTH	NNNN Leading zeros may be omitted	1 000 - 8 000 m 3 282 - 9 999 ft	Meters or feet	NEW RUNWAY
LONG	DDDMM.MB or BDDDMM.M DDD - degrees MM.M - minutes B - direction. Leading zeros may be omitted but the direction (B) is necessary	B: E or W 0 ≤ DDD ≤ 180 0 ≤ MM.M ≤ 59	Degree minutes tenths of minutes	INIT A
MACH	.NN The decimal point is necessary. Trailing zeros are not necessary	MAX = 0.82 MIN = 0.15	Mach Number	F-PLN A (ACT/SEC <sup>(2)</sup> ) PERF CLB PERF CRZ PERF DES
MACH/SPD	MACH and SPD must be entered with "/" between (See MACH and See SPD formats)	See MACH and See SPD	See MACH and See SPD	PERF DES (ACT/SEC (2)
MDA	See ALT	LDG elevation to LDG elevation +5 000	ft (MSL)	PERF APPR (ACT/SEC <sup>(2)</sup> )



### AUTO FLIGHT - FLIGHT MANAGEMENT

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

A318/A319/A320/A321 FLIGHT CREW OPERATING MANUAL

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
MDH	± NNNNN	0 - 5 000	ft (AGL)	PERF APPR (ACT/SEC <sup>(2)</sup> )
NAVAID	XXXX	Any alphanumeric	N/A	PROG NEW NAVAID NAVAID F-PLN A-B (ACT/SEC <sup>(2)</sup> ) LAT REV DIR TO RADIO NAV SELECTED NAVAIDS
OFST	NNB or BNN NN offset distance B direction	B: L or R 1 < NN < 50	NM	LAT REV
PERF FACTOR	NN.N leading or trailing zeros may be omitted (± N.N)	-10.0 to +10.0 (or -9.9 - +9.9 ≪ )	N/A	A/C STATUS
PLACE/BRG/DIST	PLACE can be any data base ARPT, NAVAID or WAYPOINT - BRG must be a 3 digit entry without decimal digit. An entry of BRG = 360 is displayed as 0.	PLACE - If not in data base, a message "NOT IN DATA BASE" is displayed BRG - 000 - 360	N/A degrees	LAT REV(ACT/SEC <sup>(2)</sup> ) NEW WAYPOINT PROG DIR TO F-PLNA-B (ACT/SEC <sup>(2)</sup> ) STEP ALTS ≪
	DIST is NNN.N where leading zeros may be omitted ; all 3 parameters must be entered with "/" between	DIST - 0 - 999.9	NM	
PLACE-BRG/ PLACE-BRG	See PLACE/BRG/ DIST A couple PLACE- BRG is entered with a dash in the middle. 2 couples have to be entered with "/" between	See PLACE/BRG/ DIST	See PLACE/BRG/ DIST	See PLACE/BRG/DIST



#### **AUTO FLIGHT - FLIGHT MANAGEMENT**

A318/A319/A320/A321 FLIGHT CREW OPERATING MANUAL

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	tinued from the previous page
	FURMAT	(X is input)	UNITS	DISPLAT PAGE
PLACE/DIST ≪	PLACE: See PLACE/	PLACE: See PLACE/	N/A NM	F-PLN A and B
	BRG/DIST	BRG/DIST	IN/A INIVI	SEC F-PLN A and B
	DIST: See PLACE/	DIST: 0 - 999.9		LAT REV
	BRG/DIST	0101.0-000.0		NEW WAYPOINT
				DIR TO
				STEP ALTS
QNH	NNNN (leading zero	950 - 1 050	Hecto-Pascals (hPa)	PERF APPR (ACT/SEC <sup>(2)</sup> )
	may be omitted).	(or 745 - 1050 ≪ )		
	NN.NN (leading and	28.06 - 31.01	In.Hg	
	trailing zeros may be	(or 22.00 - 31.00 ≪ )	in.rig	
	omitted).	(01 22.00 - 31.00 🖂 )		
RADIAL	NNN(T) 3 digits entry	000 - 360	Degrees	FIX INFO 1 to 4
RADIAL IN ৰ	NNN(T) 3 digits entry	000 - 360	Degrees	DIR TO
RADIAL OUT ৰ	NNN(T) 3 digits entry	000 - 360	Degrees	DIR TO
				FIX INFO 1 to 4
RADIUS ৰ	DNNN 3 digits entry	000 - 256	NM	FIX INFO 1 to 4
	D is the identifiant of			
	the circle radius			
REF FIX ৰ	See waypoint			FIX INFO 1 to 4
RTE RSV	may be entered as	Fuel 0 - 10.0	thousands of kg	INIT B (ACT/SEC (2))
	fuel or percentage of	0 - 21.7	thousands of lb	FUEL PRED
	trip fuel	% : 0 - 15.0		
RWY	AAAANND			RUNWAY
	Where AAAA is			NEW RUNWAY
	See ARPT.			F-PLN A-B
	NN is runway number			
	(2 digits) must be			
	entered			
	D is L or R to be			
	included only when			
	there is more than			
	one runway with the			
	same number at			
	ARPT.			
SAT/ALT ≪	TEMP/ALT	See TEMP and See ALT	N/A	CRUISE WIND
	NNN/N (loading as -	000.0 - 360.0	Degrees	IRS MONITOR
SET HDG ৰ	NNN/N (leading and	0.00.0 - 300.0	Degrees	INS MUNITUR
	trailing zeros may be omitted) will always			
	be displayed as			
	NNN/N			
	INININ/IN			



AIRCRAFT SYSTEMS AUTO FLIGHT - FLIGHT MANAGEMENT

#### A318/A319/A320/A321 FLIGHT CREW OPERATING MANUAL

# CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)	••••••	
SLOPE ≪	NN.N	00.0 -90.0	Degrees	NEW NAVAID
SPD	NNN (leading zero may be omitted)	MAX = 350 kt MIN = 90 kt	kt (CAS)	SEC F-PLN A PERF CLB PERF CRZ (ACT, SEC <sup>(2)</sup> ) PERF DES
SPD CSTR	See SPD	See SPD	kt (CAS)	F-PLN A (ACT/SEC <sup>(2)</sup> ) VERT REV (ACT/SEC <sup>(2)</sup> )
SPD LIM	SSS/NNNNN SSS is a speed NNNNN is an ALT or FLIGHT LEVEL (See ALT and See FLIGHT LEVEL)	SSS: See SPD	kt/ft (MSL)	VERT REV (ACT/SEC (2)
SPD/MACH	See MACH/SPD	See MACH and See SPD	See MACH and See SPD	PERF DES (ACT/SEC <sup>(2)</sup> )
STATION DEC	NND Where NN is the declination and D is the direction. Leading zeros may be omitted. D is not required for an entry of zero declination.	NN: 01 - 99 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	See FLIGHT LEVEL or See ALT	or See ALT	F-PLN A
TAXI	N.N Leading or trailing zeros may be omitted	0 - 9.9	Thousands of kg	INIT B (ACT/SEC <sup>(2)</sup> )
TEMP	± NN If no sign, + assumed	± 99	Degrees celsius	INIT A (ACT/SEC <sup>(2)</sup> ) FUEL PRED PERF APPR
THR RED ALT	See ALT	400 ft AGL mini	ft (MSL)	PERF TAKE OFF
THS	AAN.N or N.NAA where AA is UP or DN	max UP 7.0 max DN 5.0 increment 0.1	degrees	PERF TAKEOFF



OPERATING MANUAL

### AIRCRAFT SYSTEMS

#### **AUTO FLIGHT - FLIGHT MANAGEMENT**

CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
TRANS ALT	See ALT			PERF GO AROUND
TIME	N.N	0 - 9.9	Minutes	HOLD
TIME MARK. ৰ	HHMM	HH: 0 - 23 MM: 0 - 59	Hours Minutes	F-PLN A and B
T.O SHIFT	NNNN	1-Length of origin runway	m or ft	PERF TAKEOFF
TRIP WIND	See EFF WIND		kts	INIT A SET INIT A
TROPO	See ALT	See ALT (or 60 000   ≪ )	ft	INIT A FUEL PREDICTION SEC FUEL PREDICTION
UTC CSTR	HH MM Where HH are hours and MM are minutes. Leading zeros may be omitted 1 or 2 digit entry is interpretated as minutes	HH: 0 - 23 MM: 0 - 59	Hours and minutes	VERT REV
V1	See SPD		kt (CAS)	PERF TAKEOFF (ACT/SEC <sup>(2)</sup> )
V2	See SPD		kt (CAS)	PERF TAKEOFF (ACT/SEC <sup>(2)</sup> )
VR	See SPD		kt (CAS)	PERF TAKEOFF (ACT/SEC <sup>(2)</sup> )
WIND	See WIND DIR/ VELOCITY	See WIND DIR/ VELOCITY	See WIND DIR/ VELOCITY	F-PLN B (ACT/SEC <sup>(2)</sup> ) FUEL PREDICTION
WAYPOINT	XXXXX - may be from . 1-5 (1-7 ≪ ) ) characters for waypoint. Acceptable as waypoint IDENT: ARPT NAVAID WAYPOINT LAT/LONG, PLACE BRG/ PLACE BRG and PLACE/BRG/ DIST PLACE/DIST ≪ may be entered to define a waypoint			WAYPOINT NEW WAYPOINT F-PLN A and B (ACT/SEC <sup>(2)</sup> ) LAT REV PROG DIR TO FIX INFO ≪ 1 AND 2 EQUI-TIME POINT ≪ STEP ALTS ≪ PREDICTIVE GPS ≪



# AIRCRAFT SYSTEMS

#### AUTO FLIGHT - FLIGHT MANAGEMENT

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE (X is input)	UNITS	DISPLAY PAGE
WIND DIR/WIND MAG	NNN/NNN Both must be entered ; leading	WIND DIRECTION 0 - 360	Degrees	INIT A PERF APPR (ACT/SEC <sup>(2)</sup> ) STEP PRED
	zeros may be omitted. An entry of WIND DIR = 360 is displayed as 0.	WIND MAG 0 - 200 (or 0 - 500 <i>≪</i> ∛ )	Kt	WIND F-PLN B VERT REV
WIND DIRECTION/ MAG/ALT	NNN/NNN/FL NNN or NNN/NNN/NN NNN	Direction and Velocity as above Minimum ALT 1 000	FL in hundred of ft, ALT in ft	DES FORECAST WIND PAGES ≪
ZFW	NN.N OR NNN.N Leading and trailing zeros may be omitted	MIN ZFW <sup>(1)</sup> – Max ZFW <sup>(1)</sup>	Thousands of kg or thousands of Lb	INIT B (ACT/SEC <sup>(2)</sup> )

(1) As defined in the Performance Data Base.

(2) ACT/SEC = Active or Secondary

### MCDU DATA FORMAT LIST

Ident.: DSC-22\_20-50-30-00000920.0051001 / 21 MAR 16 Applicable to: MSN 02719-02789, 03031-03097

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

DATA NAME	FORMAT	RANGE (X is input)	UNITS	DISPLAY PAGE
ACCEL ALT	See ALT		ft (MSL)	TAKEOFF (ACT/SEC <sup>(2)</sup> ) GO AROUND (ACT/SEC <sup>(2)</sup> )
ALT	NNNN or NNNNN (leading zeros must be included)	Max ALT = 39 000 Entry is rounded to the nearest 10 ft	ft (MSL)	PERF CLB PERF DES



FLIGHT CREW OPERATING MANUAL

### AIRCRAFT SYSTEMS

#### **AUTO FLIGHT - FLIGHT MANAGEMENT**

CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
ALT CSTR	See ALT	See ALT	ft (MSL)	VERT REV
				F-PLN A
				SEC F-PLN A
AIRWAYS (VIA)	XXXX	If not in data base	N/A	LAT REV
		"NOT IN DATA BASE"		AIRWAYS 🚿
		is displayed		
ARPT	AAAA	If AAAA is not in the		INIT A (ACT/SEC (2))
	1 character	database airport file,		LAT REV
	minimum.	the New Runway page		ALTN
	4 maximum.	is displayed		F-PLN A-B (ACT/SEC (2))
				WAYPOINT
				DIR TO
BARO	Same as ALT	Ldg elevation to ldg	ft (MSL)	PERF APPR (ACT/SEC <sup>(2)</sup> )
		elevation + 5000		
BLOCK FUEL	NN.N leading zeros	0-80/0-175.2	Thousands of Kg	INIT B (ACT/SEC (2))
	may be omitted.		or thousands of Lb	
CABIN RATE	- NNN	100 - 999	ft/min	DES FORECAST or
	(- may be omitted)			CRUISE PERF PAGE 🚿
CG	NN.N	8.0 - 45.0	% MAC	INIT B. (ACT/SEC (2))
				FUEL PRED
CHANNEL ৰ	NNN	500 - 699		NEW NAVAID
				RAD NAV
CLASS (NAVAID)	AAAAA	VOR	N/A	NEW NAVAID
	(refer to RANGE for	DME		
	exact inputs allowed)	VORDME		
	. ,	VORTAC		
		LOC, ILS		
		NDB		
		ILSDME		
		MLS ≪		
		TACAN ৰ		
CO RTE	xxxxxxx	If not in the	N/A	INIT A
	7 or 10 characters	NAVdatabase, a		ROUTE SELECTION
	(pin program)	message will be		NEW ROUTE
	·····	displayed		ALTERNATE
COST INDEX	NNN	0 to 999	Kg/Min or	INIT A (ACT/SEC <sup>(2)</sup> )
	may be entered as		100 lb/Hr	PERF CLB (ACT/SEC <sup>(2)</sup> )
	1-3 digits; leading			PERF CRZ (ACT/SEC <sup>(2)</sup> )
	zeros lay be omitted			PERF DES (ALT/SEC <sup>(2)</sup> )
				ontinued on the following page



### AUTO FLIGHT - FLIGHT MANAGEMENT

A318/A319/A320/A321 FLIGHT CREW OPERATING MANUAL

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
CRS	See INB CRS	See INB CRS	degrees	RADIO NAV NEW NAVAID NEW RUNWAY
CRZ FL	Must be entered as FLIGHT LEVEL	Maximum FL (See FLIGHT LEVEL)	Hundred of ft	INIT A (ACT/SEC <sup>(2)</sup> ) PROG
CRZ TEMP	See TEMP		See TEMP	INIT A (ACT/SEC <sup>(2)</sup> ) FUEL PREDICTION
CRZ WIND	See WIND DIR/MAG	See WIND DIR/MAG	See WIND DIR/MAG	INIT A (ACT/SEC <sup>(2)</sup> ) FUEL PREDICTION
DIST	NN.N leading and trailing 0's may be omitted.	0 - 99.9 or 0 - 999 (or 9999   ≪ )	NM NM	HOLD ALTN
DRT TO ৰ	"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 no sign, + assumed Leading 0's may be omitted	Entry displayed to nearest 10 ft -400 to 20 470 ft (RWY) (or - 1000 to 20 470 ft ≪∛) -2 000 to 20 470 (NAVAID)	ft (MSL)	NEW RUNWAY NEW NAVAID
ETT/RTA ≪	HH:MM:SS	00:00:00 to 23:59:59	Hour HH Min MM Sec SS	RTA
FF/FQ Sensors	One or both may be entered, Both - /FF + FQ or - / FQ + FF Fuel flow - /FF Fuel Quantity - / FQ		N/A	FUEL PREDICTION
FIG OF MERIT	N	0 - 3	N/A	NEW NAVAID



FLIGHT CREW

### AIRCRAFT SYSTEMS

#### **AUTO FLIGHT - FLIGHT MANAGEMENT**

CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST OPERATING MANUAL

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
	FURMAI	(X is input)	61110	DISPLAT PAGE
FINAL/TIME	Only one may be	FINAL 0 - 10.0	Thousand of kg	FUEL PRED
	entered at a time.	(or 0 - 100 ≪ )	or Thousand	INIT B
	NN.N or (NNN.N	or	of lb minutes	
	I for FINAL	0 - 22.0		
	NNNN for TIME	0 - 90		
		TIME		
FLAPS		0, 1, 2, or 3		TAKEOFF
FLEX TO TEMP		-, ., _,	NN in degrees	TAKEOFF
	<ol> <li>If Derated TO option not implemented: same as TEMP</li> <li>If Derated TO option is implemented: F NN</li> </ol>		centigrade	
FLIGHT LEVEL	FLNNN or NNN	Max FL = 390	Hundreds of ft (MSL)	F-PLN A-B,
	Leading zeros on NNN may be omitted	(or Max FL = 410 )		PROG VERT REV INIT A (ACT, SEC <sup>(2)</sup> ) PERF CLB PERF DES STEP PRED STEP ALTS ≪₹
FLIGHT NUMBER	XXXXXXXX	N/A	N/A	INIT A
	The 8 alphanumeric are not mandatory			F-PLN A-B
FOB	NN.N (leading zeros	See BLOCK	Thousands of kg or	FUEL PREDICTION
	may be omitted)		Thousands of Lb	
FREQ	NNN.NN ILS/VOR	108.00 - 117.95	MHz	PROG.
	NNN.N NDB	190.0 - 1 750.0	KHz	NEW NAVAID RADIO NAV
FROM/TO	AAAA /AAAA	AAAA must be in data base or message will be displayed	N/A	INIT A (ACT/SEC <sup>(2)</sup> )
GW	NN.N Leading and	35 - 99.9	Thousands of kg	FUEL PREDICTION
	trailing zeros may be	or	or	
	omitted	77.2 - 218	Thousands of Lb	
IDLE FACTOR	± N.N Leading and	-9.9. +9.9	%	A/C STATUS
₩	trailing zeros may be omitted			



# AIRCRAFT SYSTEMS

### AUTO FLIGHT - FLIGHT MANAGEMENT

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
INB CRS	NNN Leading zeros may be omitted. An entry of 360 is displayed as 0.	000 - 359	Degrees	HOLD
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 0 ≤ DD ≤ 90 0 ≤ MM.M ≤ 59.9	Degree minutes tenths of minutes	INIT A (ACT/SEC <sup>(2)</sup> )
LAT/LONG	LAT/LONG See LAT and See LONG except both must be entered with "/" in between	See LAT and See LONG	See LAT and See LONG	F-PLN A-B (ACT/SEC <sup>(2)</sup> ) PROG NEW WAYPOINT NEW NAVAID DIR TO LAT REV NEW RUNWAY
LENGTH	NNNN Leading zeros may be omitted	1 000 - 8 000 m 3 282 - 9 999 ft	Meters or feet	NEW RUNWAY
LONG	DDDMM.MB or BDDDMM.M DDD - degrees MM.M - minutes B - direction. Leading zeros may be omitted but the direction (B) is necessary	B: E or W 0 ≤ DDD ≤ 180 0 ≤ MM.M ≤ 59	Degree minutes tenths of minutes	INIT A
MACH	.NN The decimal point is necessary. Trailing zeros are not necessary	MAX = 0.82 MIN = 0.15	Mach Number	F-PLN A (ACT/SEC <sup>(2)</sup> ) PERF CLB PERF CRZ PERF DES



#### **AUTO FLIGHT - FLIGHT MANAGEMENT**

A318/A319/A320/A321 FLIGHT CREW OPERATING MANUAL

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from	m the pre	evious page
----------------	-----------	-------------

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
MACH/SPD	MACH and SPD must be entered with "/" between (See MACH and See SPD formats )	See MACH and See SPD	See MACH and See SPD	PERF DES (ACT/SEC <sup>(2)</sup> )
NAVAID	XXXX	Any alphanumeric	N/A	PROG NEW NAVAID NAVAID F-PLN A-B (ACT/SEC <sup>(2)</sup> ) LAT REV DIR TO RADIO NAV SELECTED NAVAIDS
OFST	NNB or BNN NN offset distance B direction	B: L or R 1 < NN < 50	NM	LAT REV
PERF FACTOR	NN.N leading or trailing zeros may be omitted (± N.N)	-10.0 to +10.0 (or -9.9 - +9.9 ≪ )	N/A	A/C STATUS
PLACE/BRG/DIST	PLACE can be any data base ARPT, NAVAID or WAYPOINT - BRG must be a 3 digit entry without decimal digit. An entry of BRG = 360 is displayed as 0.	PLACE - If not in data base, a message "NOT IN DATA BASE" is displayed BRG - 000 - 360	N/A degrees	LAT REV (ACT/SEC <sup>(2)</sup> ) NEW WAYPOINT PROG DIR TO F-PLNA-B (ACT/SEC <sup>(2)</sup> ) STEP ALTS ≪₹
	DIST is NNN.N where leading zeros may be omitted ; all 3 parameters must be entered with "/" between	DIST - 0 - 999.9	NM	Continued on the following page



### AUTO FLIGHT - FLIGHT MANAGEMENT

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

A318/A319/A320/A321 FLIGHT CREW OPERATING MANUAL

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
PLACE-BRG/ PLACE-BRG	See PLACE/BRG/ DIST A couple PLACE- BRG is entered with a dash in the middle. 2 couples have to be entered with "/" between		See PLACE/BRG/DIST	See PLACE/BRG/DIST
PLACE/DIST ≪	PLACE: See PLACE/ BRG/DIST DIST: See PLACE/ BRG/DIST	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 zero may be omitted). NN.NN (leading and trailing zeros may be	950 - 1 050 (or 745 - 1050 ≪ ) 28.06 - 31.01	Hecto-Pascals (hPa) In.Hg	PERF APPR (ACT/SEC <sup>(2)</sup> )
	omitted).	(or 22.00 - 31.00 ≪ )		
RADIAL ৰ	NNN(T) 3 digits entry	000 - 360	Degrees	FIX INFO 1 to 4
RADIAL IN ৰ	NNN(T) 3 digits entry	000 - 360	Degrees	DIR TO
RADIAL OUT ৰ	NNN(T) 3 digits entry	000 - 360	Degrees	DIR TO FIX INFO 1 to 4
RADIO	NNN	0–700 No is accepted if an ILS / GLS ≪ ; APPR is selected	ft	PERF APPR (ACT/SEC <sup>(2)</sup> )
RADIUS ≪	DNNN 3 digits entry D is the identifiant of the circle radius	000 - 256	NM	FIX INFO 1 to 4
REF FIX ৰ	See waypoint			FIX INFO 1 to 4
RTE RSV	may be entered as fuel or percentage of trip fuel	Fuel 0 - 10.0 0 - 21.7 % : 0 - 15.0	thousands of kg thousands of lb	INIT B (ACT/SEC <sup>(2)</sup> ) FUEL PRED



#### **AUTO FLIGHT - FLIGHT MANAGEMENT**

A318/A319/A320/A321 FLIGHT CREW OPERATING MANUAL

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
RWY	AAAANND Where AAAA is See ARPT. NN is runway number (2 digits) must be entered D is L or R to be included only when there is more than one runway with the same number at ARPT.			RUNWAY NEW RUNWAY F-PLN A-B
SAT/ALT ≪	TEMP/ALT	See TEMP and See 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 ৰ	NN.N	00.0 -90.0	Degrees	NEW NAVAID
SPD	NNN (leading zero may be omitted)	MAX = 350 kt MIN = 90 kt	kt (CAS)	SEC F-PLN A PERF CLB PERF CRZ (ACT, SEC <sup>(2)</sup> ) PERF DES
SPD CSTR	See SPD	See SPD	kt (CAS)	F-PLN A (ACT/SEC <sup>(2)</sup> ) VERT REV (ACT/SEC <sup>(2)</sup> )
SPD LIM	SSS/NNNNN SSS is a speed NNNNN is an ALT or FLIGHT LEVEL (See ALT and See FLIGHT LEVEL)	SSS: See SPD	kt/ft (MSL)	VERT REV (ACT/SEC <sup>(2)</sup> )
SPD/MACH	See MACH/SPD	See MACH and See SPD	See MACH and See SPD	PERF DES (ACT/SEC <sup>(2)</sup> )



### AIRCRAFT SYSTEMS

### AUTO FLIGHT - FLIGHT MANAGEMENT

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
STATION DEC	NND Where NN is the declination and D is the direction. Leading zeros may be omitted. D is not required for an entry of zero declination.	NN: 01 - 99 D: E or W	Degrees	NEW NAVAID
STEP ALT ≪	SNNN or NNNS (where NNN is in Flight Level) or SNNNNN or NNNNS (where NNNNN is in ALT) Leading zeros may be omitted	See FLIGHT LEVEL or See ALT	See FLIGHT LEVEL or See ALT	F-PLN A
ΤΑΧΙ	N.N Leading or trailing zeros may be omitted		Thousands of kg	INIT B (ACT/SEC <sup>(2)</sup> )
TEMP	± NN If no sign, + assumed	± 99	Degrees celsius	INIT A (ACT/SEC <sup>(2)</sup> ) FUEL PRED PERF APPR
THR RED ALT	See ALT	400 ft AGL mini	ft (MSL)	PERF TAKE OFF
THS	AAN.N or N.NAA where AA is UP or DN	max UP 7.0 max DN 5.0 increment 0.1	degrees	PERF TAKEOFF
TRANS ALT	See ALT			PERF GO AROUND
TIME	N.N	0 - 9.9	Minutes	HOLD
TIME MARK. ৰ	ННММ	HH: 0 - 23 MM: 0 - 59	Hours Minutes	F-PLN A and B
T.O SHIFT	NNNN	1-Length of origin runway	m or ft	PERF TAKEOFF
TRIP WIND	See EFF WIND		kts	INIT A SET INIT A
TROPO	See ALT	See ALT (or 60 000   ≪ )	ft	INIT A FUEL PREDICTION SEC FUEL PREDICTION



FLIGHT CREW

OPERATING MANUAL

### AIRCRAFT SYSTEMS

### **AUTO FLIGHT - FLIGHT MANAGEMENT**

CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
UTC CSTR	HH MM Where HH are hours and MM are minutes. Leading zeros may be omitted 1 or 2 digit entry is interpretated as minutes	HH: 0 - 23 MM: 0 - 59	Hours and minutes	VERT REV
V1	See SPD		kt (CAS)	PERF TAKEOFF (ACT/SEC <sup>(2)</sup> )
V2	See SPD		kt (CAS)	PERF TAKEOFF (ACT/SEC <sup>(2)</sup> )
VR	See SPD		kt (CAS)	PERF TAKEOFF (ACT/SEC <sup>(2)</sup> )
WIND	See WIND DIR/ VELOCITY	See WIND DIR/ VELOCITY	See WIND DIR/ VELOCITY	F-PLN B (ACT/SEC <sup>(2)</sup> ) FUEL PREDICTION
WAYPOINT	XXXXX - may be from . 1-5 (1-7 ) characters for waypoint. Acceptable as waypoint IDENT: ARPT NAVAID WAYPOINT LAT/LONG, PLACE BRG/ PLACE BRG and PLACE/BRG/ DIST PLACE/DIST			WAYPOINT NEW WAYPOINT F-PLN A and B (ACT/SEC <sup>(2)</sup> ) LAT REV PROG DIR TO FIX INFO ≪ 1 AND 2 EQUI-TIME POINT ≪ 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 DIRECTION 0 - 360 WIND MAG 0 - 200 (or 0 - 500 ≪ )	Degrees Kt	INIT A PERF APPR (ACT/SEC (2)) STEP PRED WIND F-PLN B VERT REV



#### AUTO FLIGHT - FLIGHT MANAGEMENT

A318/A319/A320/A321 FLIGHT CREW OPERATING MANUAL

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
WIND	NNN/NNN/FL NNN	Direction and Velocity	FL in hundred	DES FORECAST
DIRECTION/	or	as above	of ft, ALT in ft	WIND PAGES 🚿
MAG/ALT	NNN/NNN/NN NNN	Minimum ALT 1 000		
ZFW	NN.N OR NNN.N	MIN ZFW See – Max	Thousands of kg	INIT B (ACT/SEC (2))
	Leading and trailing	ZFW See	or	
	zeros may be omitted		thousands of Lb	

(1) As defined in the Performance Data Base.

(2) ACT/SEC = Active or Secondary

#### MCDU DATA FORMAT LIST

Ident.: DSC-22\_20-50-30-00000920.0082001 / 21 MAR 16 Applicable to: MSN 02926-02944

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

DATA NAME	FORMAT	RANGE (X is input)	UNITS	DISPLAY PAGE
ACCEL ALT	See ALT		ft (MSL)	TAKEOFF (ACT/SEC <sup>(2)</sup> ) GO AROUND (ACT/SEC (2)
ALT	NNNN or NNNNN (leading zeros must be included)	Max ALT = 39 000 Entry is rounded to the nearest 10 ft	ft (MSL)	PERF CLB PERF DES
ALT CSTR	See ALT	See ALT	ft (MSL)	VERT REV F-PLN A SEC F-PLN A
AIRWAYS (VIA)	XXXX	If not in data base "NOT IN DATA BASE" is displayed	N/A	LAT REV AIRWAYS ≪



FLIGHT CREW

OPERATING MANUAL

# AIRCRAFT SYSTEMS

#### **AUTO FLIGHT - FLIGHT MANAGEMENT**

CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
	-	(X is input)		
ARPT	AAAA 1 character minimum. 4 maximum.	If AAAA is not in the database airport file, the New Runway page is displayed		INIT A (ACT/SEC <sup>(2)</sup> ) LAT REV ALTN F-PLN A-B (ACT/SEC <sup>(2)</sup> ) WAYPOINT DIR TO
BARO	Same as ALT	Ldg elevation to ldg elevation + 5000	ft (MSL)	PERF APPR (ACT/SEC)
BLOCK FUEL	NN.N leading zeros may be omitted.	0-80/0-175.2	Thousands of Kg or thousands of Lb	INIT B (ACT/SEC <sup>(2)</sup> )
CABIN RATE	- NNN (- may be omitted)	100 - 999	ft/min	DES FORECAST or CRUISE PERF. PAGE ≪
CG	NN.N	8.0 - 45.0	% MAC	INIT B. (ACT/SEC <sup>(2)</sup> ) 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 ILSDME MLS ≪ TACAN ≪	N/A	NEW NAVAID
CO RTE	XXXXXXX 7 or 10 characters (pin program)	If not in the NAVdatabase, a message will be displayed	N/A	INIT A ROUTE SELECTION NEW ROUTE ALTERNATE
COST INDEX	NNN may be entered as 1-3 digits; leading zeros lay be omitted	0 to 999	Kg/Min or 100 lb/Hr	INIT A (ACT/SEC <sup>(2)</sup> ) PERF CLB (ACT/SEC <sup>(2)</sup> ) PERF CRZ (ACT/SEC <sup>(2)</sup> ) PERF DES (ALT/SEC <sup>(2)</sup> )
CRS	See INB CRS	See INB CRS	degrees	RADIO NAV NEW NAVAID NEW RUNWAY
CRZ FL	Must be entered as FLIGHT LEVEL	Maximum FL (See FLIGHT LEVEL)	Hundred of ft	INIT A (ACT/SEC <sup>(2)</sup> ) PROG
CRZ TEMP	See TEMP	±99	Degrees celsius	INIT A (ACT/SEC <sup>(2)</sup> ) FUEL PREDICTION



### AIRCRAFT SYSTEMS

#### AUTO FLIGHT - FLIGHT MANAGEMENT

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		DIGFLAT FAGE
CRZ WIND	See WIND DIR/MAG	See WIND DIR/MAG		INIT A (ACT/SEC (2))
	See WIND DIR/IMAG	See WIND DIR/MAG	See WIND DIR/WAG	
DIOT	NINI NI Is s dia si su si	0 - 99.9	NIM	
DIST	NN.N leading and		NM	HOLD
	trailing 0's may be	or	NM	ALTN
	omitted.	0 - 999 (or 9999		
DRT TO <	"D"NN	Eight possible values		PERF
				TAKEOFF
EFF WIND ৰ	±NNN	0 - 500	kts	CLOSEST
	"+" may be entered as			AIRPORT
	"T" or "TL"			EQUI-TIME
	"-" may be entered as			INIT A
	"H" or "HD"			SEC INT A
	Leading zeros may be			
	omitted			
	If no sign is input, "+"			
	is taken			
ELV	±NNNN	Entry displayed to	ft (MSL)	
	if no sign,	nearest 10 ft		
	+ assumed	-400 to 20 470 ft (RWY)		NEW RUNWAY
	Leading 0's may be	(or - 1000 to 20 470 ft		
	omitted	≪≹)		
		-2 000 to 20 470		NEW NAVAID
		(NAVAID)		
ETT/RTA ≪	HH:MM:SS	00:00:00 to 23:59:59	Hour HH	RTA
			Min MM	
			Sec SS	
FF/FQ Sensors	One or both may be	İ	N/A	FUEL PREDICTION
	entered,			
	Both - /FF + FQ			
	or - / FQ + FF			
	Fuel flow - /FF			
	Fuel Quantity - / FQ			
FIG OF MERIT	N	0 - 3	N/A	NEW NAVAID
FINAL/TIME	Only one may be	FINAL 0 - 10.0	Thousand of kg	FUEL PRED
	entered at a time.	(or 0 - 100 < )	or Thousand	INIT B
	NN.N or (NNN.N 🛛 🚿	or	of lb minutes	
	) for FINAL NNNN for	0 - 22.0		
	TIME	0 - 90		
		TIME		
FLAPS		0, 1, 2, or 3		TAKEOFF
		5, 1, 2, 0, 0		tinued on the following name



### **AUTO FLIGHT - FLIGHT MANAGEMENT**

A318/A319/A320/A321 FLIGHT CREW OPERATING MANUAL

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
FLEX TO TEMP	<ol> <li>If Derated TO option not implemented: same as TEMP</li> <li>If Derated TO option is implemented: F NN</li> </ol>		NN in degrees centigrade	TAKEOFF
FLIGHT LEVEL	FLNNN or NNN Leading zeros on NNN may be omitted	)	Hundreds of ft (MSL)	PROG VERT REV INIT A (ACT, SEC <sup>(2)</sup> ) PERF CLB PERF DES STEP PRED STEP ALTS <i>S</i> €
FLIGHT NUMBER	XXXXXXXX The 8 alphanumeric are not mandatory	N/A	N/A	INIT A F-PLN A-B
FOB	NN.N (leading zeros may be omitted)	See BLOCK	Thousands of kg or Thousands of Lb	FUEL PREDICTION
FREQ	NNN.NN ILS/VOR NNN.N NDB	108.00 - 117.95 190.0 - 1 750.0	MHz KHz	PROG. NEW NAVAID RADIO NAV
FROM/TO	ΑΑΑΑ /ΑΑΑΑ	AAAA must be in data base or message will be displayed	N/A	INIT A (ACT/SEC <sup>(2)</sup> )
GW	NN.N Leading and trailing zeros may be omitted	35 - 99.9 or 77.2 - 218	Thousands of kg or Thousands of Lb	FUEL PREDICTION
GND TEMP	±NN (if no sign, assume +)		See TEMP	INIT A, SEC INIT A
IDLE FACTOR ≪	± N.N Leading and trailing zeros may be omitted	-9.9. +9.9	%	A/C STATUS
INB CRS	NNN Leading zeros may be omitted. An entry of 360 is displayed as 0.	000 - 359	Degrees	HOLD



### AIRCRAFT SYSTEMS

### AUTO FLIGHT - FLIGHT MANAGEMENT

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
LAT	DDMM.MB DD - degrees, MM.M - minutes, B - direction. Leading zeros may be omitted but the direction (B) is necessary.	B: N or S 0 ≤ DD ≤ 90 0 ≤ MM.M ≤ 59.9	Degree minutes tenths of minutes	INIT A IRS INIT
LAT/LONG	LAT/LONG See LAT and See LONGexcept both must be entered with "/" in between	See LAT and See LONG	See LAT and See LONG	F-PLN A-B (ACT/SEC <sup>(2)</sup> ) PROG NEW WAYPOINT NEW NAVAID DIR TO LAT REV NEW RUNWAY IRS INIT
LENGTH	NNNN Leading zeros may be omitted	1 000 - 8 000 m 3 282 - 9 999 ft	Meters or feet	NEW RUNWAY
LONG	DDDMM.MB or DDD - degrees MM.M - minutes B - direction. Leading zeros may be omitted but the direction (B) is necessary	B: E or W 0 ≤ DDD ≤ 180 0 ≤ MM.M ≤ 59	Degree minutes tenths of minutes	INIT A IRS INIT
MACH	INN or 0.NN Trailing zeros are not necessary NN: Entry of two figures is necessary	MAX = .82 MIN = .15	Mach Number	F-PLN A (ACT/SEC <sup>(2)</sup> ) PERF CLB PERF CRZ PERF DES
MACH/SPD	MACH and SPD must be entered with "/" between ( See MACH and See SPD formats)	See MACH and See SPD	See MACH and See SPD	PERF DES (ACT/SEC <sup>(2)</sup> )
MIN DEST FOB	NNN.N (leading zeros may be omitted)	0 - 80	Thousand of kg or lb (OPC option)	INIT B FUEL PRED (ATC/SEC)



#### **AUTO FLIGHT - FLIGHT MANAGEMENT**

A318/A319/A320/A321 FLIGHT CREW OPERATING MANUAL

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
NAVAID	XXXX	Any alphanumeric	N/A	PROG NEW NAVAID NAVAID F-PLN A-B (ACT/SEC <sup>(2)</sup> ) LAT REV DIR TO RADIO NAV SELECTED NAVAIDS
OFST	NNB or BNN NN offset distance B direction	B: L or R 1 < NN < 50	NM	LAT REV
PERF FACTOR	NN.N leading or trailing zeros may be omitted (± N.N)	-10.0 to +10.0 (or -9.9 - +9.9 ≪ )	N/A	A/C STATUS
PLACE/BRG/DIST	without decimal digit. An entry of BRG = 360 is displayed as 0.	PLACE - If not in data base, a message "NOT IN DATA BASE" is displayed BRG - 000 - 360	N/A degrees	LAT REV(ACT/SEC <sup>(2)</sup> ) NEW WAYPOINT PROG DIR TO F-PLNA-B (ACT/SEC <sup>(2)</sup> ) STEP ALTS <i>(2)</i>
	DIST is NNN.N where leading zeros may be omitted ; all 3 parameters must be entered with "/" between	DIST - 0 - 999.9	NM	
PLACE-BRG/ PLACE-BRG	A couple PLACE- BRG is entered with a dash in the middle. 2 couples have to be entered with "/" between	See PLACE/BRG/DIST	See PLACE/BRG/ DIST	See PLACE/BRG/DIST
PLACE/DIST ≪	PLACE: See PLACE/ BRG/DIST DIST: See PLACE/ BRG/DIST	PLACE: See 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 tipued on the following page



### AIRCRAFT SYSTEMS

### AUTO FLIGHT - FLIGHT MANAGEMENT

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
	-	(X is input)		
QNH	NNNN (leading zero	745 - 1 050	Hecto-Pascals (hPa)	PERF APPR (ACT/SEC
	may be omitted).	(or 745 - 1050 < )		(2)
	NN.NN or NNNN (four	28.06 - 31.01	In.Hg	
	digits are mandatory).	(or 22.00 - 32.48 < )	-	
RADIAL ≪	NNN(T) 3 digits entry	000 - 360	Degrees	FIX INFO 1 to 4
RADIAL IN ৰ	NNN(T) 3 digits entry	000 - 360	Degrees	DIR TO
RADIAL OUT ৰ	NNN(T) 3 digits entry	000 - 360	Degrees	DIR TO FIX INFO 1 to 4
RADIO	NNN	0–700 No is accepted if an ILS / GLS ≪ ; APPR is selected	ft	PERF APPR (ACT/SEC)
RADIUS ≪	DNNN 3 digits entry D is the identifiant of the circle radius	000 - 256	NM	FIX INFO 1 to 4
REF FIX ≪	See WAYPOINT			FIX INFO 1 to 4
RTE RSV	may be entered as fuel or percentage of trip fuel	Fuel 0 - 10.0 0 - 21.7 % : 0 - 15.0	thousands of kg thousands of lb	INIT B (ACT/SEC <sup>(2)</sup> ) FUEL PRED
RWY	AAAANND Where AAAA is same as ARPT (See ARPT). NN is runway number (2 digits) must be entered D is L or R to be included only when there is more than one runway with the same number at ARPT.			RUNWAY NEW RUNWAY F-PLN A-B
SAT/ALT ≪	TEMP/ALT	See TEMP and See ALT	N/A	CRZ 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



FLIGHT CREW

OPERATING MANUAL

### AIRCRAFT SYSTEMS

#### AUTO FLIGHT - FLIGHT MANAGEMENT

CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
SPD	NNN	MAX = 350  kt	kt (CAS)	SEC F-PLN A
JF D	(must be 3 numerics)	MIN = 90  kt		PERF CLB
				PERF CRZ (ACT, SEC <sup>(2)</sup> )
				PERF DES
SPD CSTR	See SPD	See SPD	kt (CAS)	F-PLN A (ACT/SEC <sup>(2)</sup> )
01000111				VERT REV (ACT/SEC <sup>(2)</sup> )
SPD LIM	SSS/NNNNN	SSS: See SPD	kt/ft (MSL)	VERT REV (ACT/SEC3
-	SSS is a speed			(2)
	NNNNN is an ALT			,
	or FLIGHT LEVEL			
	(See ALT and See			
	FLIGHT LEVEL)			
SPD/MACH	See MACH/SPD	See MACH and	See MACH	PERF DES (ACT/SEC (2))
		See SPD	and See SPD	
STATION DEC	NND	NN: 01 - 99	Degrees	NEW NAVAID
	Where NN is the	D : E or W		
	declination and D is			
	the direction.			
	Leading zeros may be			
	omitted.			
	D is not required			
	for an entry of zero			
	declination.			
STEP ALT ৰ	SNNN or NNNS	See FLIGHT LEVEL or	See FLIGHT LEVEL	F-PLN A
	(where NNN is in	See ALT	or See ALT	
	Flight Level) or			
	SNNNNN or NNNNNS			
	(where NNNNN is in			
	ALT) Leading zeros			
	may be omitted			
TAXI	N.N	0 - 9.9	Thousands of kg	INIT B (ACT/SEC (2))
	Leading or trailing			
	zeros may be omitted			
ТЕМР	± NN	±99	Degrees celsius	PERFTAKEOFF
	If no sign,			PERF APPR
	+ assumed			UPLINK TODATA REQ
THR RED ALT	See ALT	400 ft AGL mini	ft (MSL)	PERF TAKE OFF
THS	AAN.N or N.NAA	max UP 7.0	degrees	PERF TAKEOFF
	where AA is UP or DN	max DN 5.0		
		increment .1		
TRANS ALT	See ALT		1	PERF TAKE OFF
				PERF GO AROUND
		-		



A318/A319/A320/A321 FLIGHT CREW OPERATING MANUAL

# AUTO FLIGHT - FLIGHT MANAGEMENT

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

FORMAT	RANGE	UNITS	DISPLAY PAGE
	(X is input)		
See FLIGHT LEVEL	, , , , , , , , , , , , , , , , , , ,		PERF APPR
N.N	0 - 9.9	Minutes	HOLD
ННММ	HH: 0 - 23 MM : 0 - 59	Hours Minutes	F-PLN A and B
NNNN	1-Length of origin runway	m or ft	PERF TAKEOFF
See EFF WIND		kts	INIT A SET INIT A
See ALT	See ALT (or 60 000   ≪ )	ft	INIT A FUEL PREDICTION SEC FUEL PREDICTION
HH MM Where HH are hours and MM are minutes. Leading zeros may be omitted 1 or 2 digit entry is interpretated as minutes	HH: 0 - 23 MM : 0 - 59	Hours and minutes	VERT REV
See SPD		kt (CAS)	PERF TAKEOFF (ACT/SEC <sup>(2)</sup> )
See SPD		kt (CAS)	PERF TAKEOFF (ACT/SEC <sup>(2)</sup> )
See SPD		kt (CAS)	PERF TAKEOFF (ACT/SEC <sup>(2)</sup> )
See WIND DIR/ VELOCITY	See WIND DIR/ VELOCITY	See WIND DIR/ VELOCITY	F-PLN B (ACT/SEC <sup>(2)</sup> ) FUEL PREDICTION
XXXX - may be from . 1-5 (1-7 ) characters for waypoint. Acceptable as waypoint IDENT : ARPT NAVAID WAYPOINT LAT/LONG, PLACE BRG/ PLACE BRG and PLACE/BRG/ DIST PLACE / DIST May be entered			WAYPOINT NEW WAYPOINT F-PLN A and B (ACT/SEC <sup>(2)</sup> ) LAT REV PROG DIR TO FIX INFO ≪ 1 AND 2 EQUI-TIME POINT ≪ STEP ALTS ≪ PREDICTIVE GPS ≪
	N.N         HHMM         NNNN         See EFF WIND         See ALT         HH MM         Where HH are hours         and MM are minutes.         Leading zeros may         be omitted 1 or 2 digit         entry is interpretated         as minutes         See SPD         See SPD         See SPD         See SPD         See WIND DIR/ VELOCITY         XXXXX - may be         from . 1-5 (1-7 <록	(X is input)         See FLIGHT LEVEL         N.N       0 - 9.9         HHMM       HH: 0 - 23         MM : 0 - 59         NNNN       1-Length of origin runway         See EFF WIND         See ALT       See ALT (or 60 000 ≪ 1)         HH MM       HH: 0 - 23         Where HH are hours and MM are minutes.       HH: 0 - 59         Leading zeros may be omitted 1 or 2 digit entry is interpretated as minutes       MM : 0 - 59         See SPD       See SPD         See SPD       See SPD         See SPD       See WIND DIR/ VELOCITY         XXXXX - may be from . 1-5 (1-7 ≪ 1)       See WIND DIR/ VELOCITY         XXXXX - may be from . 1-5 (1-7 ≪ 1)       oharacters for waypoint. Acceptable as waypoint IDENT : ARPT         NAVAID       WAYPOINT       LAT/LONG, PLACE BRG/ PLACE         BRG and PLACE/BRG/ DIST PLACE / DIST       DIST PLACE / DIST	(X is input)See FLIGHT LEVELN.N0 - 9.9HHMMHH: 0 - 23 MM: 0 - 59HNNN1-Length of origin runwaySee EFF WINDktsSee ALTSee ALT (or 60 000 <嚼)



#### AUTO FLIGHT - FLIGHT MANAGEMENT

A318/A319/A320/A321 FLIGHT CREW OPERATING MANUAL

### CONTROLS AND INDICATORS - MCDU - DATA FORMAT LIST

Continued from the previous page

DATA NAME	FORMAT	RANGE	UNITS	DISPLAY PAGE
		(X is input)		
WIND DIR/WIND	NNN/NNN	WIND DIRECTION	Degrees	INIT A
MAG	Both must be entered ;	0 - 360		PERF APPR (ACT/SEC
	leading zeros may be			(2)
	omitted.			STEP PRED
	An entry of WIND DIR		Kt	WIND
	= 360 is displayed as	0 - 200		F-PLN B
	0.			VERT REV
WIND DIRECTION/	NNN/NNN/FL NNN	Direction and Velocity	FL in hundred	DES FORECAST
MAG/ALT	or	as above	of ft, ALT in ft	WIND PAGES 🚿
		Minimum ALT 1 000		
ZFW	-	Min ZFW (1)- Max ZFW	Thousands of kg	INIT B (ACT/SEC (2))
	Loading and training	(1)	or	
	zeros may be omitted		thousands of Lb	

(1) As defined in the Performance Data Base.

(2) ACT/SEC = Active or Secondary