

**RAIDO – N-FP**

**March 2017**



# RAIDO – N-FP

RAIDO flights (selected by filter) are uploaded to NFP flight list.

The screenshot displays two web browser windows. The top window, titled 'Navtech Flight Plan', shows a flight list with columns: ALC, Flight, Origin, Dest, Grp, STD, Flight, Origin, Dest, ETD, ETA, Aircraft, ATC, and Status. Two rows are visible, both with '0204' in the Flight column. The bottom window, titled 'Raido by Aviolinx', shows a 'Schedule' view with a grid of flight legs. Two blue arrows point from the '0204' flight entries in the Navtech window to the corresponding flight leg entries in the Raido window, illustrating the data flow.

ALC	Flight	Origin	Dest	Grp	STD	Flight	Origin	Dest	ETD	ETA	Aircraft	ATC	Status
CZB	171855	0204	MUHA	MUCU	171855	172014	32TEST	CUB					
CZB	172125	0204	MUCU	MDSO	172125	172245	32TEST	CUB					

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RAIDO uploads the following to NFP: Callsign, Aircraft registration, Departure station, Arrival station, STD, STA, Booked Pax, Booked Cargo

The screenshot displays the Navtech Flight Plan software interface. The main window shows flight details for flight 0204, originating from MUHA and destined for STD. The flight key indicates the route as ALC CZB Flight 0204 Origin MUHA STD 171855. The flight info section includes details such as Aircraft (32TEST), ETD (171855), STA/ETA (172025/172014), and ATC (ALC CUB). The weights section shows Adult/Child (90/10), Cargo (500), and Payload (18700). The fuel section shows Fuel (200) and Additional (0). The crew section lists the Signatory (AVIOLINX) and crew members (P/C LMT, FO MCU, SA NAL, FA AHE, FA DSB, FA JLM). The activity info window is open, showing the flight schedule and passenger/cargo details. The activity info window includes a table for Passenger Per Weight Category and a table for Passenger Per Class.

Passenger Per Weight Category	Adults (M/F)	Children	Infants	Total
	90	10	5	100

Passenger Per Class	C/B	Y/PAD	Total
	Y(150)	P(AD)	100
	5	95	

Component	Y(150)	P(200)	A(200)	Total(550)
	500			500

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## RAIDO uploads Crew on board to NFP

The screenshot displays the Navtech Flight Plan interface for flight 0204. The flight key shows the origin as MUHA and destination as MUCU. The flight info section includes details such as aircraft (32TEST), ETD (171855), STA/ETA (172025 / 172014), and ATC (ALC CUB). The route is shown as MUHA -> UCT -> MUCU. The fuel section shows a taxi of 200 and a reserve of 1000. The weights section shows a total weight of 66000. The crew signatory table lists the following crew members:

Rank id	Name
PIC	LMT
FO	MCU
SA	NAL
Hold	
FA	AUF
FA	DSB
FA	JLM

The 'Activity Info' window is overlaid on the right, showing a table of assigned crew members:

Assigned Rank	Rank	Qual	Base	Shortcode	Name	Roster Designator
CAPT	CAPT	AX3	HRV	LMT		
FO	FO	AX3	HRV	MCU		
SCC	SCC	AX3	HRV	NAL		
CC	CC	AX3	HRV	JLM		
CC	CC	AX3	HRV	DSB		
CC	CC	AX3	HRV	AUF		

## RAIDO downloads ATC flight plan. (EET used)

The screenshot displays the Navtech Flight Plan software interface. The main window shows a flight plan for flight CU804, with a table of waypoints and flight data. A blue arrow points from the 'EET' field in the 'Destination' section of the Activity Info window to the 'EET' field in the flight plan table.

**Flight Plan Table:**

WPT	FRQ	LAT	LONG	RTE	MC	DIST	TAS	DV	LEG-T	ETA	FL	TEMP	WIND/COMP	FFRM
		MORA	MH	TC	GS	WS	TOT-T	ATA						AFRM
CIRCU										00:00				
KAVUL		N23	03.4	W082	06.8									
		DCT	047	18	274			CLB	00:04					0059
		019	076	043	264			01	00:04					
TOC														
		DCT	124	56	387			CLB	00:09					0052
		019	123	119	395			03	00:13					
UCF		N22	09.3	W080	24.4									
112.30		DCT	124	52	410			P11	00:07		270	M27	33/043P035	0049
		019	121	119	445			02	00:20					
JUCRO		N21	09.5	W078	36.0									
		J2	125	118	409			P11	00:16		270	M27	34/044P035	0042
		045	121	120	444			03	00:36					
CANEY		N20	33.2	W077	32.0						210	M13	00/023P009	0038
		J2	127	70	367			P13	00:11					
		013	124	121	376			04	00:47					
UMZ		N20	18.2	W077	06.0									
116.00		J2	129	28	366			P13	00:05		210	M13	01/024P010	0036
		013	125	122	375			04	00:52					

**Activity Info - Google Chrome**

CU804 CU804 (32TEST - 320 - 158CY)  
Departure: 11/17 17:04:17 58:55  
Arrival: 11/17 17:04:17 28:25

**Times Load Crew Operations Flightplan Fuel En Route Catering Message**

CTOT  
EOBT CTOT

**Flightplan**

(7) Call Sign: CU80204 (8) Rules: Type S (9) Type: A320 (10) Wake Turbulence: M (11) Equipment: DFHSWXYGR (12) Departure Time: 1855

(15) Route: N0409P270 KAVUL1 UCF 32 JUCRO/N0367P210 32 UMZ/N0283F050 CA08A1A

(16) Destination: EET Alternates: MUCU 01H2

(18) Other: FBN/A1D1S1 DOP/170117 RBG/32TEST SEL/ZZZZ TALT/MUVR E/0219 P/TBN C/LMT N/XXXXXXXXXXXX

(19) Supplementary:

Update Update & Close

# Solution Demonstration

## RAIDO downloads fuel figures from NFP

The screenshot displays the Navtech Flight Plan interface. The main window shows a flight package layout for flight CUB0204 from Havana to Munich. A table of fuel records is visible, with columns for Fuel, Time, Dist, Nam, Weight, Actual, and Structural. A secondary window titled 'Activity Info - Google Chrome' is open, showing a 'Fuel' tab with a table of fuel records. Blue arrows indicate the data flow from the Navtech table to the RAIDO window.

**Navtech Flight Plan Data:**

FLT ID	ORIG/DEST	ACFT	ROUTE	WIND/ISA	WXTYP
CUB0204/17	MUHA/MUCU	A320	MAN	P016/P12	TEL
ORIG	HAV/MUHA LA HABANA/JOSE MARTI INTL			N22594N082246	ETD 1855Z RMY06
DEST	SCU/MUCU ANTONIO MACEO INTL			N19582N075501	ETA 2007Z RMY10
TALT	VRA/MUVR JUAN G.GOMEZ INTL			N23021N081261	ETA 1930Z RMY06
ALTI	KIN/MKJP KINGSTON/NORMAN MANLEY			N17561N076473	ETA 2039Z RMY12

**Navtech Fuel Table:**

FUEL	TIME	DIST	NAM	WEIGHT	-ACTUAL-	STRUCTURAL
BURN	003581	01.12	0421	0408		
ALT/MKJP	001499	00.34	0174	BOW	043517	...
HOLDING	001158	00.30		SWA	000000	
RESERVE	000179	00.04		PYLD	010600	
CONTG	000000	00.00	-ACTUAL-	ZFW	054117	MBFW 062500
ETP EXTRA	000000	00.00		TOP	006417	
REQUIRED	006417	02.20		TOW	060534	MTOW 075500
EXTRA	000000	00.00		BURN	003581	
TOP	006417	02.20		LDW	056953	MLDW 066000
TAXI	000200					
BALLAST	000000					
BLOCK	006617	02.20				
PFRM	002836					

**RAIDO Activity Info - Fuel Table:**

Fuel Type	Load Type	Density	Quantity	Delete
Flight Plan	Planned Dep Fuel	0.0000 kg/m3	6617.0000 kg	<input type="checkbox"/>
Flight Plan	Take Off Fuel	0.0000 kg/m3	6417.0000 kg	<input type="checkbox"/>
Flight Plan	Trip Fuel	0.0000 kg/m3	3581.0000 kg	<input type="checkbox"/>
Flight Plan	Fuel remaining	0.0000 kg/m3	2036.0000 kg	<input type="checkbox"/>

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