Target Generation Facility (TGF)

Flight Plan Editor User's Guide

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Overview

The Flight Plan Editor provides a flexible way to do maintenance to the TGF Universal Flight Plans and the Inter Facility Flight Plans. It allows the user to add, edit or delete flight plan data. This data can then be viewed, modified, and even put back into the TGF scenario for simulation use. New flight plan files can be created from existing flight plan files.

Existing versions of updated files are backed up and can be retrieved by TGF personnel if necessary.

1 Instructions:

The Flight Plan Editor is run from the TGF home page - http://www.tgf.tc.faa.gov/. Before it can be used, you need to have the JAVA Web Start application installed on your computer. Web Start is a tool created by Sun, which provides you with the latest version of the application. It may be downloaded from the TGF home page. Click on - TGF Selections based on Web Start, then click on the correct version of - Download Web Start.

If you have previously installed the JAVA Web Start application, go to the TGF home page - http://www.tgf.tc.faa.gov/ and click on - TGF Selections based on Web Start. It will go to the TGF Web Start page where you will click on - UFP Editor.

Note: If running from building 27, you must choose IIF-TGF from the TGF home page.

The initial Flight Plan Editor window is displayed:

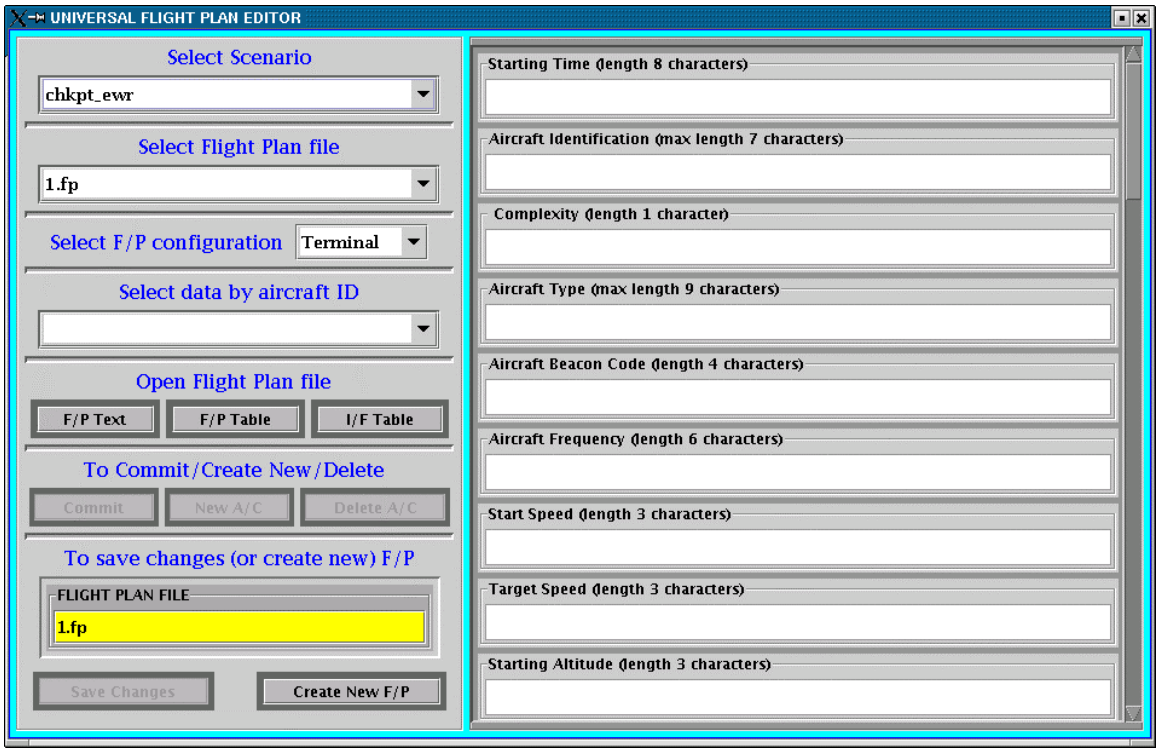

Figure 1

On the left side of the window is where you will make your selections. The requested flight plan information by Aircraft ID will be displayed on the right side of the window, according to the selections you will make.

The first choice is **Select Scenario**. Click anywhere on the dropdown box to display the choices, then click on the desired item (use the scroll bar if it is not visible), to make your selection.

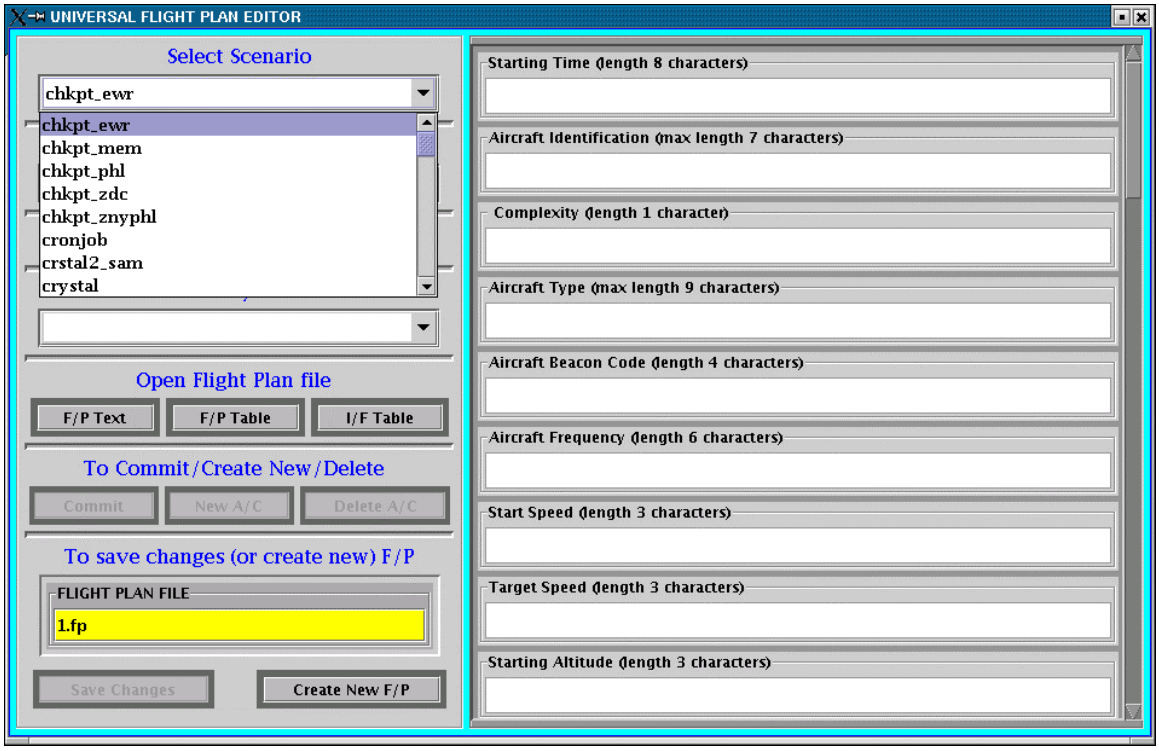

Figure 2

Next **Select Flight Plan file**. Again click anywhere on the dropdown box to display the choices, then click on the desired item (use the scroll bar if it is not visible), to make your selection.

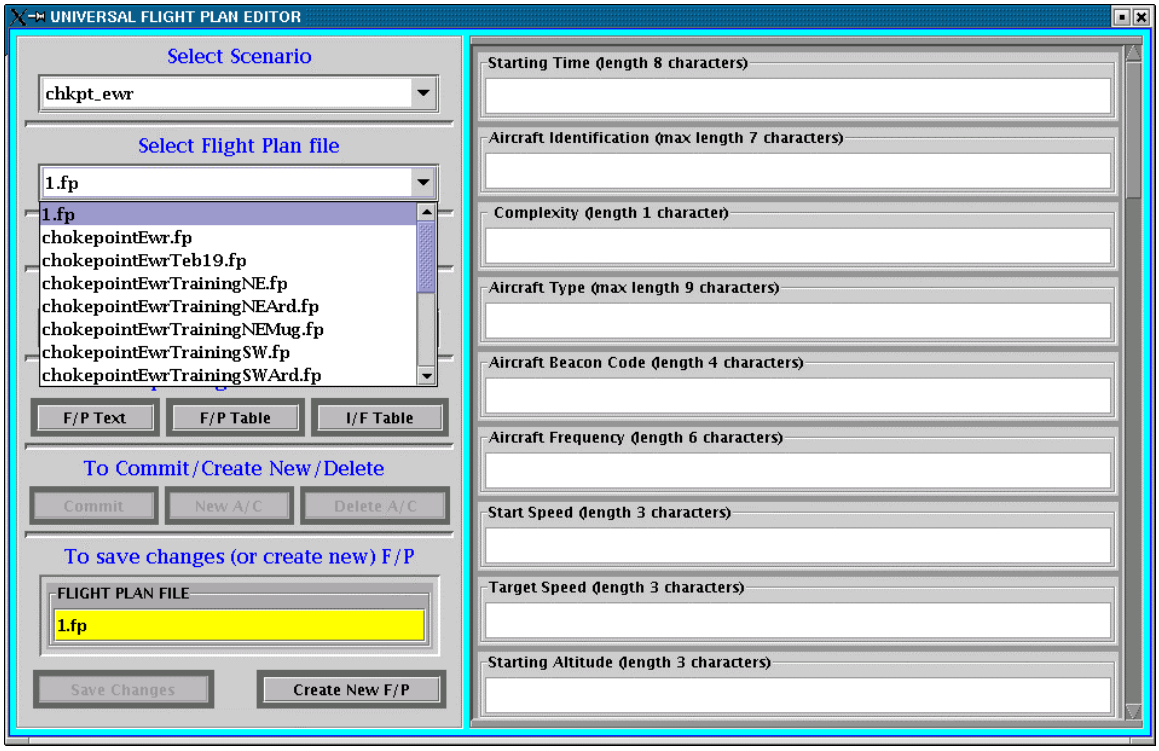

Figure 3

The next choice to make is **Select F/P configuration**.

Click on either: Terminal, Nas, Enroute or Custom. Depending on your choice, only certain fields are displayed.

For example, if you choose Terminal, the first 20 fields will be displayed on the right side of the window.

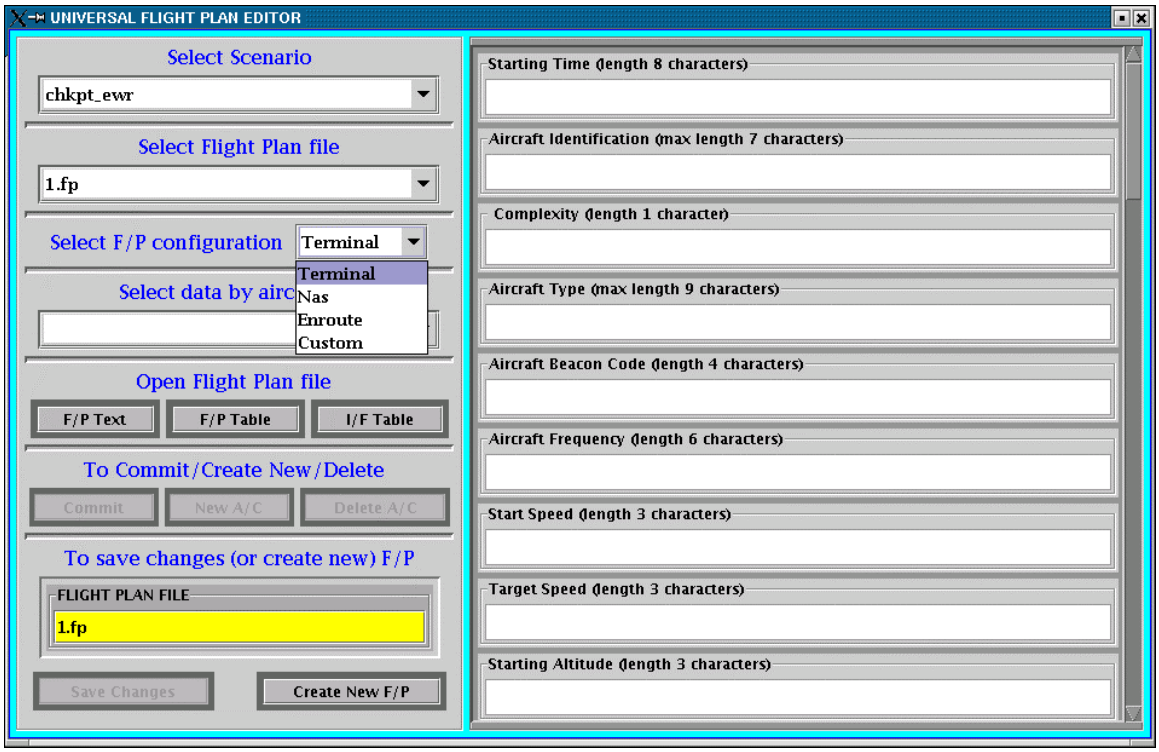

Figure 4

If the Custom option has been selected, another window will be displayed with every field for that flight plan.

The fields appearing in blue are the defaults, and the fields appearing in black have not been selected.

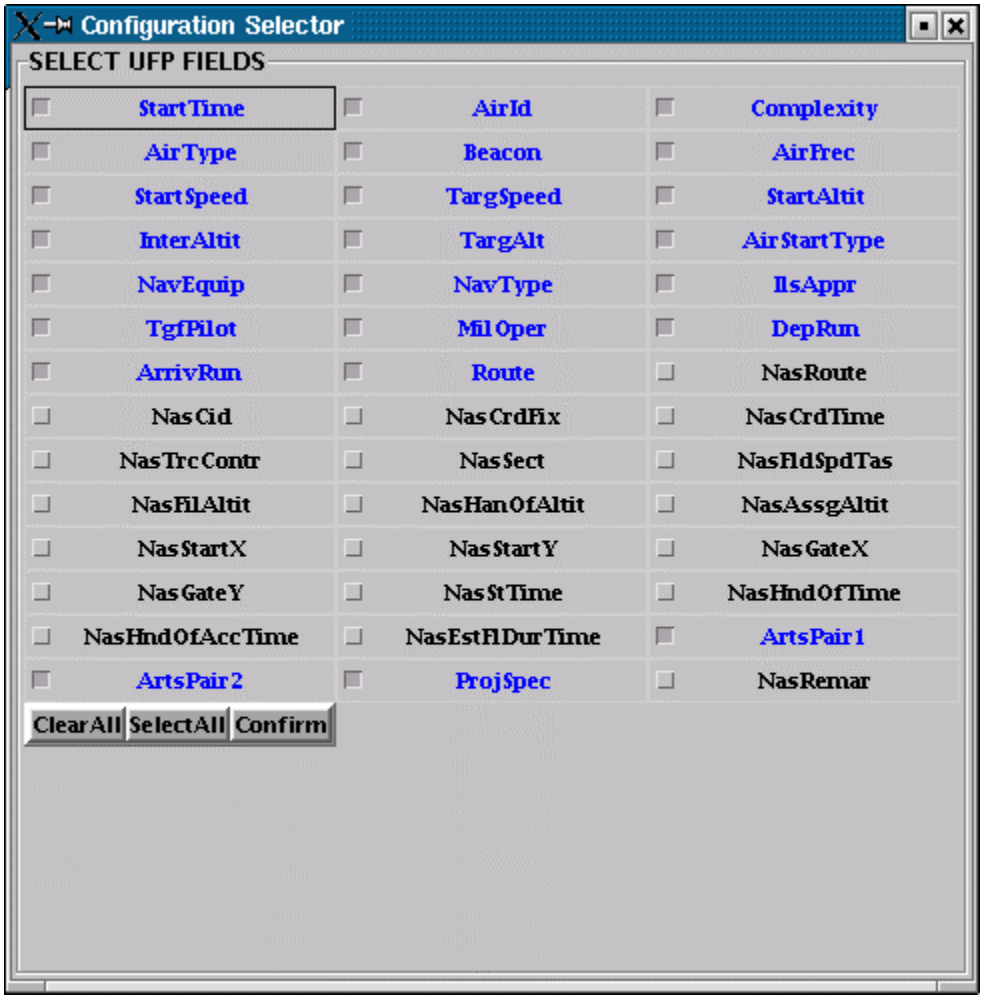

Figure 5

Here you may change the preset options by clicking on individual fields to add or remove them. To clear the preset options, use the button Clear All. To select all of the fields, use the button Select All. These selections will be used to display the information in a variety of ways. After making your choices, hit the confirm button.

Note: The Configuration Selector window will remain open until you make your next field selection. (You may have to move this window to be able to see the other fields).

Next **Select data by aircraft ID**. Again click anywhere on the dropdown box to display the list of choices, then click on the desired item (use the scroll bar if it is not visible), to make your selection.

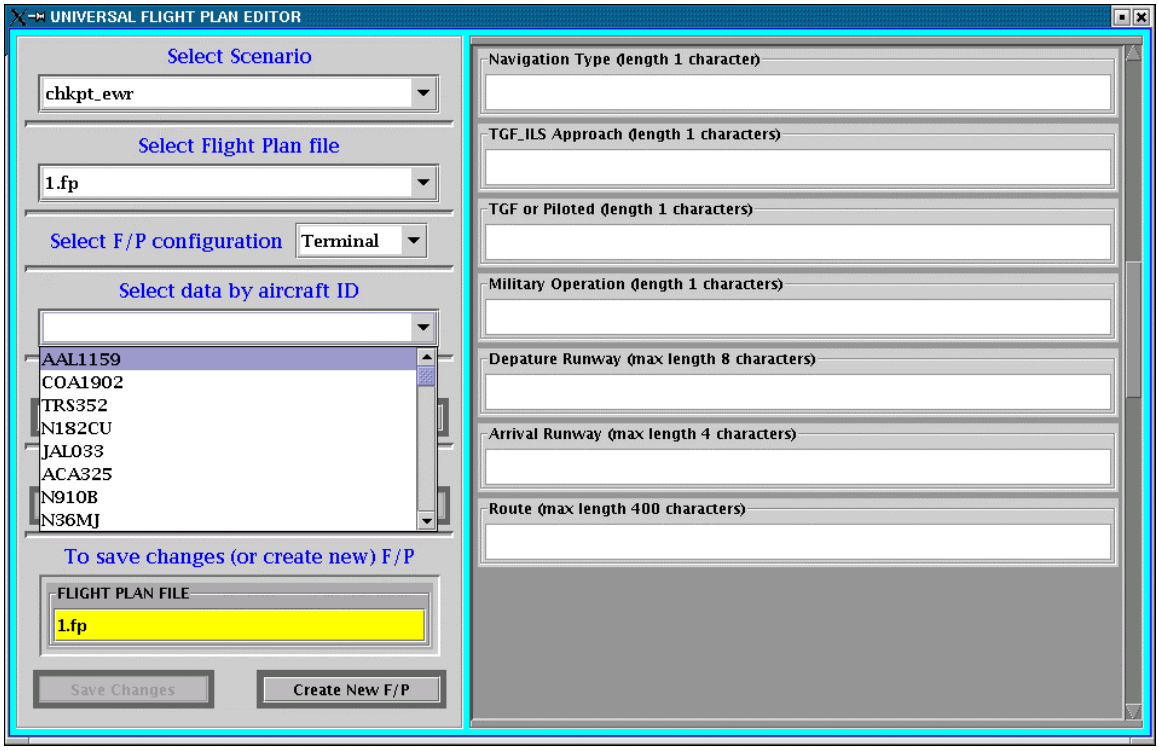

Figure 6

After making your selections, the right side of the screen will fill with the information requested. Any fields displayed in yellow are warning about not properly formatted data.

If you would rather use this information in text format or in a spreadsheet format, see Section II, special editing features.

After making change, the user must press Enter or the Commit Button.

Any fields in error will change to red.

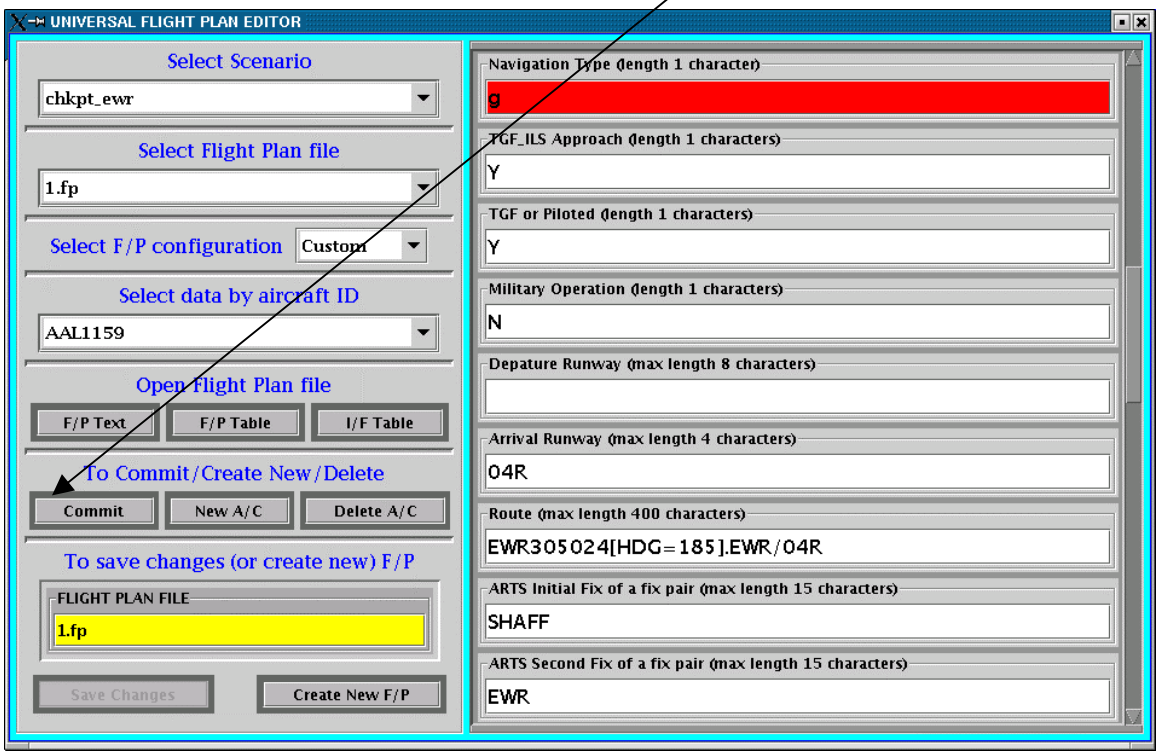

Figure 7

At the same time, the following window will appear.

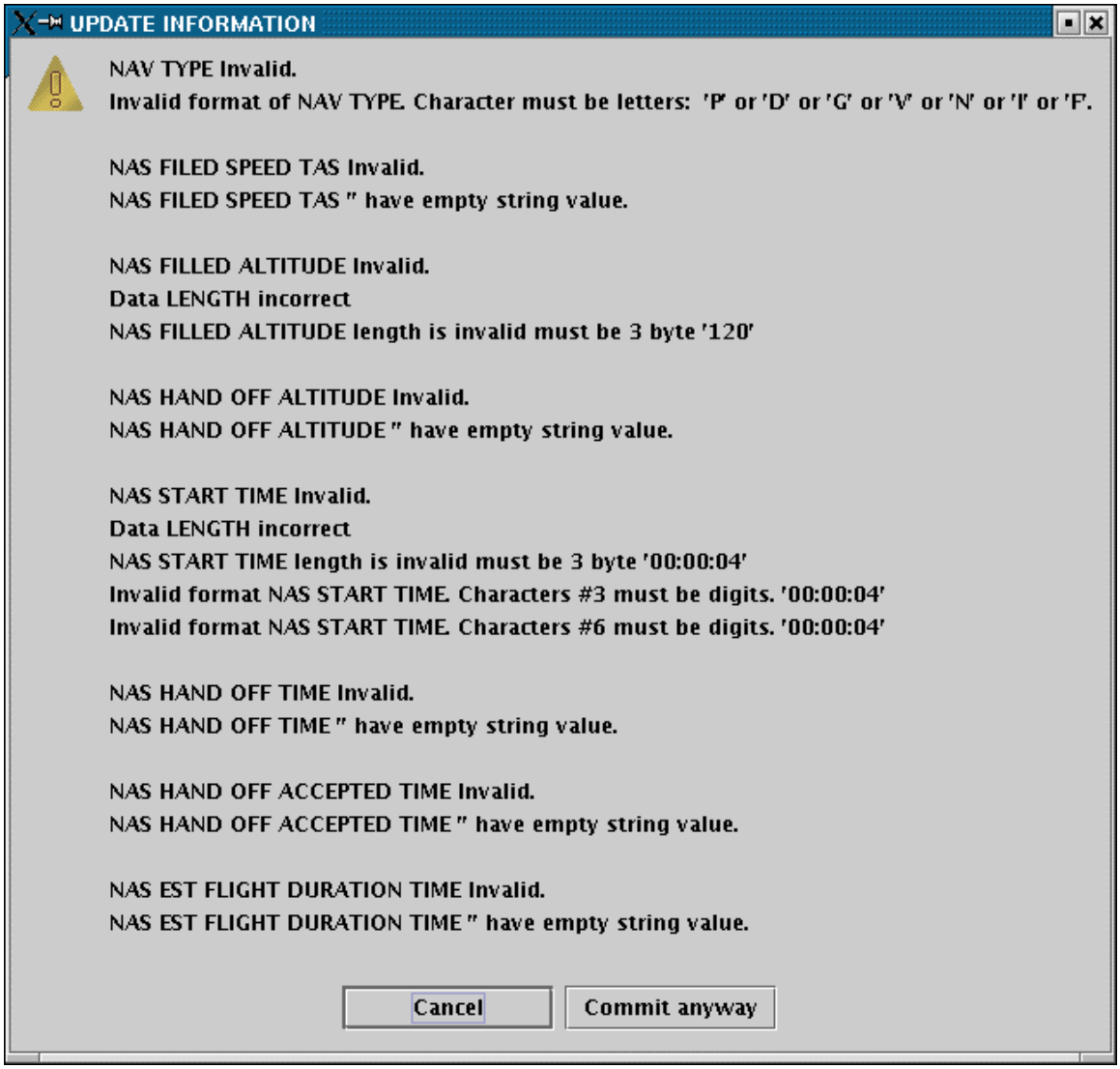

Figure 8

The user is given two options - to cancel or to commit anyway.

If cancel is chosen, the update information window closes and a new window appears as an error list. This window can be kept open to allow the user to view the errors that need to be corrected.

Suggestion: If errors appear, redisplay all information to help resolve.

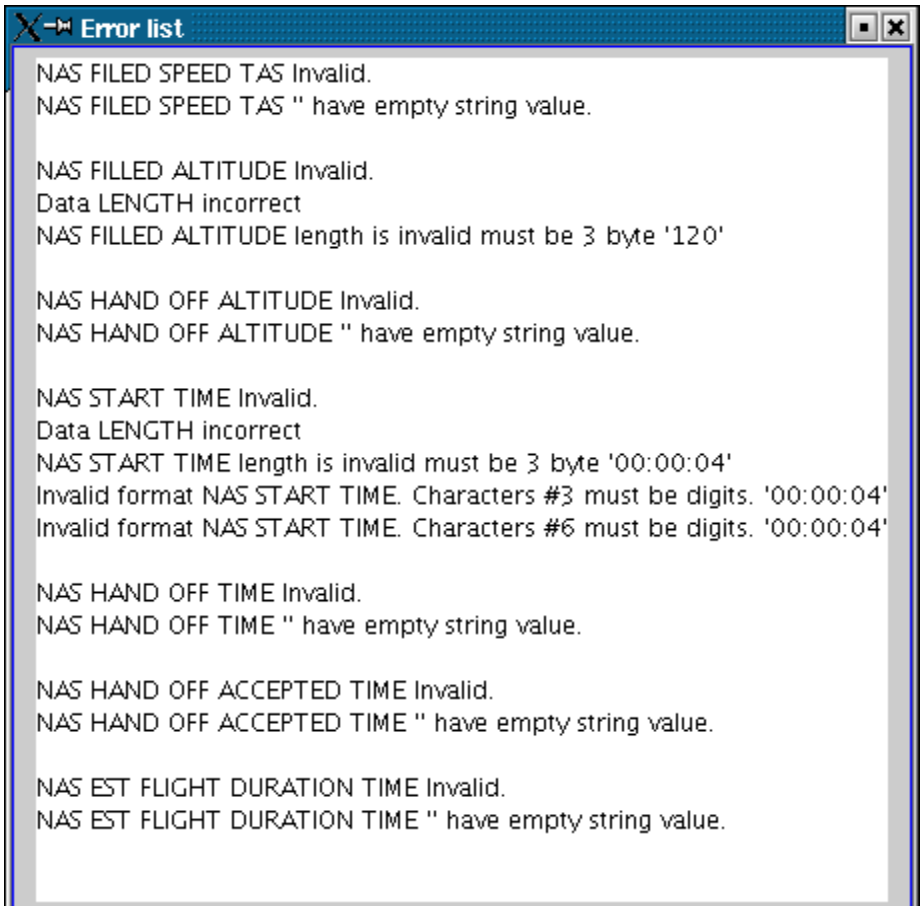

Figure 9

The other option, "Commit Anyway" allows the user to commit changes without making additional changes. (For example: with NAS fields.)

2 Special Editing Features:

If you would like to edit the Flight Plan in text format, press the F/P Text button (on the initial Flight Plan Editor window).

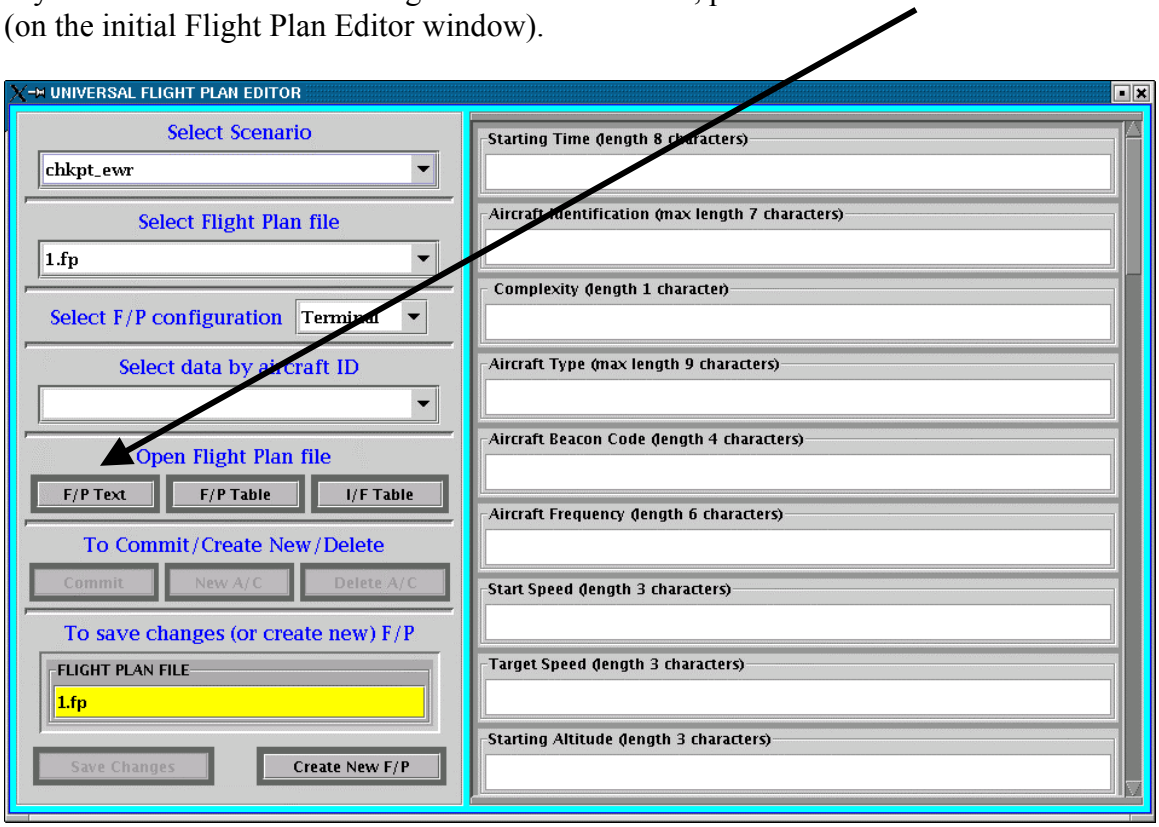

Figure 10

A new window appears with the entire file in text format displayed. Here you can make changes directly to the file.

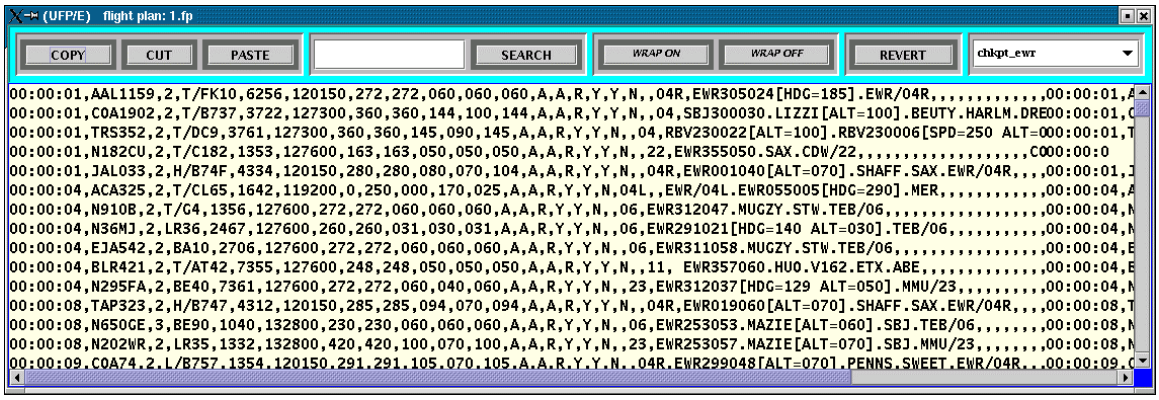

Figure 11

Note: Please be careful when editing in this format, the fields are not validated.

There are a variety of buttons; most are self-explanatory, such as copy, cut and paste.

To search for particular information, enter the information and press the Search Button, or you can manually use the vertical scroll bar on the right side of the popup window.

Wrap On is used to display an entire line without having to use the horizontal scroll bar on the bottom of the window. Wrap Off returns to normal view.

The Revert Button will negate any changes that you have made.

The dropdown box on the right side of the row of buttons is used to display an additional flight plan. You first select a scenario, hit enter or click with the mouse, then select a flight plan, and again hit enter or click with the mouse. This information is displayed in another window to enable you to easily copy flight plan information into the flight plan that you are editing.

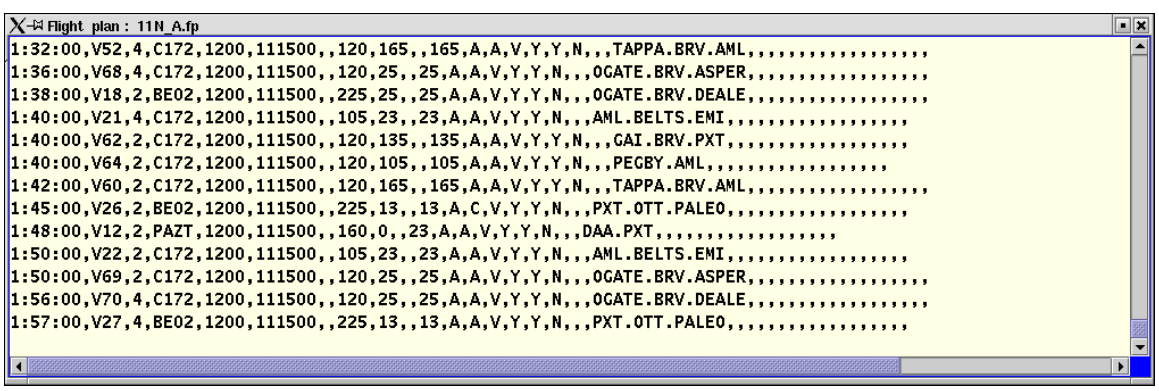

Figure 12

If you would like to display the Flight Plan in spreadsheet format, press the F/P Table button (on the initial Flight Plan Editor window).

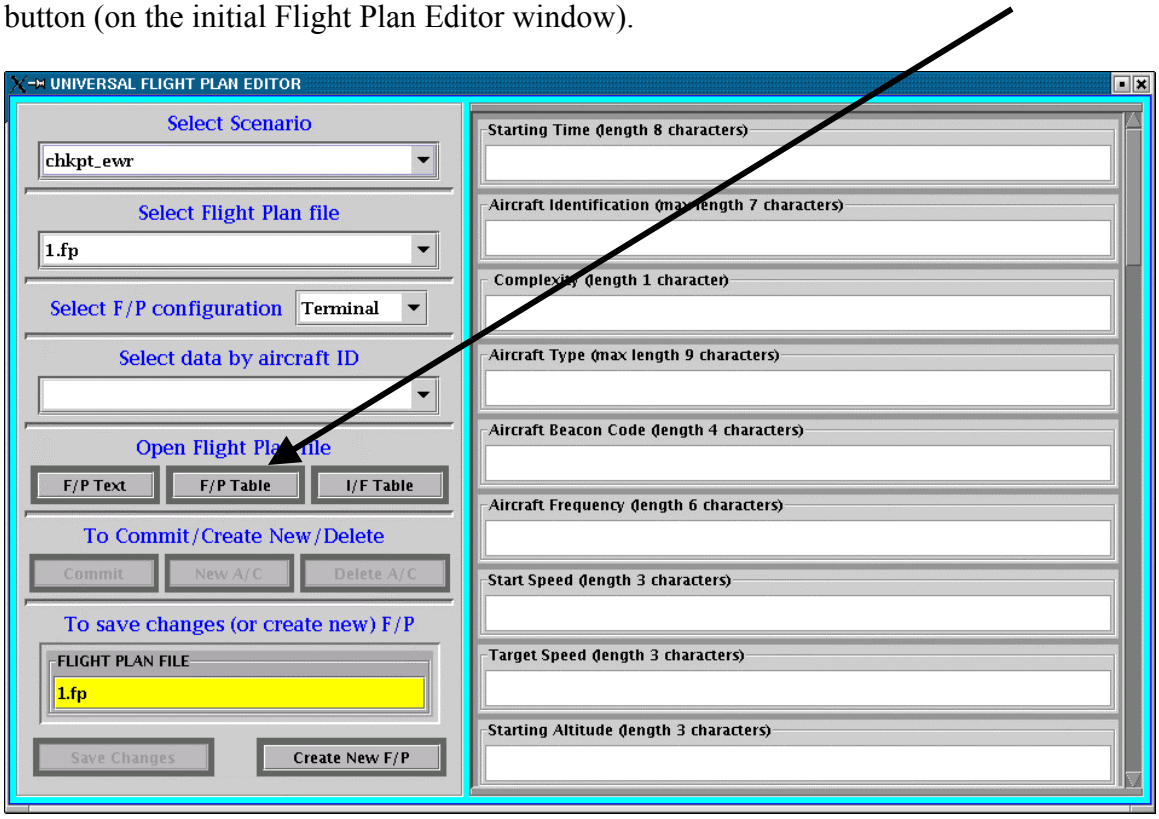

Figure 1

A new window with the Flight Plan information is displayed in spreadsheet format.

(UFP/E) flight plan: acAv3.fp (Sorted by StartTime)

...	...	...	...	...	...	StartSpeed	...	...	InterAltit	...	...	NavEq...	...	I...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	1	...	...	...	240	...	...	20	...	A	A	V	Y	Y	N	...	...						1													...	...	...				
...	...	1	...	...	...	180	...	...	20	...	A	A	V	Y	Y	N	...	...						8													...	...	...				
...	...	1	...	...	...	240	...		230	...	A	A	V	Y	Y	N	...	...						...													...	...	...				
...	...	1	...	...	...	240	...	...	90	...	A	A	V	Y	Y	N	...	...						1													...	...	...				
...	...	1	...	...	...	240	...	...	90	...	A	A	V	Y	Y	N	...	...						8													...	...	...				
...	...	1	...	...	...	240	...		230	...	A	A	V	Y	Y	N	...	...						...													...	...	...				
...	...	1	...	...	...	240	...	...	20	...	A	A	V	Y	Y	N	...	...						1													...	...	...				
...	...	1	...	...	...	240	...	...	90	...	A	A	V	Y	Y	N	...	...						8													...	...	...				
...	...	1	...	...	...	240	...	...	90	...	A	A	V	Y	Y	N	...	...						1													...	...	...				
...	...	1	...	...	...	180	...	...	20	...	A	A	V	Y	Y	N	...	...						8													...	...	...				
...	...	1	...	...	...	240	...		230	...	A	A	V	Y	Y	N	...	...						...													...	...	...				
...	...	1	...	...	...	240	...	...	20	...	A	A	V	Y	Y	N	...	...						1													...	...	...				
...	...	1	...	...	...	240	...	...	90	...	A	A	V	Y	Y	N	...	...						8													...	...	...				
...	...	1	...	...	...	240	...		230	...	A	A	V	Y	Y	N	...	...						...													...	...	...				
...	...	1	...	...	...	240	...	...	90	...	A	A	V	Y	Y	N	...	...						1													...	...	...				
...	...	1	...	...	...	240	...	...	90	...	A	A	V	Y	Y	N	...	...						8													...	...	...				
...	...	1	...	...	...	240	...		230	...	A	A	V	Y	Y	N	...	...						...													...	...	...				
...	...	1	...	...	...	240	...	...	20	...	A	A	V	Y	Y	N	...	...						1													...	...	...				
...	...	1	...	...	...	180	...	...	20	...	A	A	V	Y	Y	N	...	...						8													...	...	...				
...	...	1	...	...	...	240	...	...	20	...	A	A	V	Y	Y	N	...	...						1													...	...	...				
...	...	1	...	...	...	180	...	...	20	...	A	A	V	Y	Y	N	...	...						8													...	...	...				

Figure 13

If you previously made choices in the Configurator window, only those fields will be expanded for you to see. The remaining fields containing information display as … until you expand them.

To sort the displayed information, click the right mouse button on any column heading.

The search/replace option also works by column heading. Click the left mouse button in a cell and highlight it, then click on a column heading. Enter the new value into the pop up message window. The entire column will be changed

Any changes are validated before being saved. You will see a variety of messages before the information is updated, such as informing you of which files are going to be changed.

To display the Inter Facility Table, press the I/F Table button (on the initial Flight Plan Editor window).

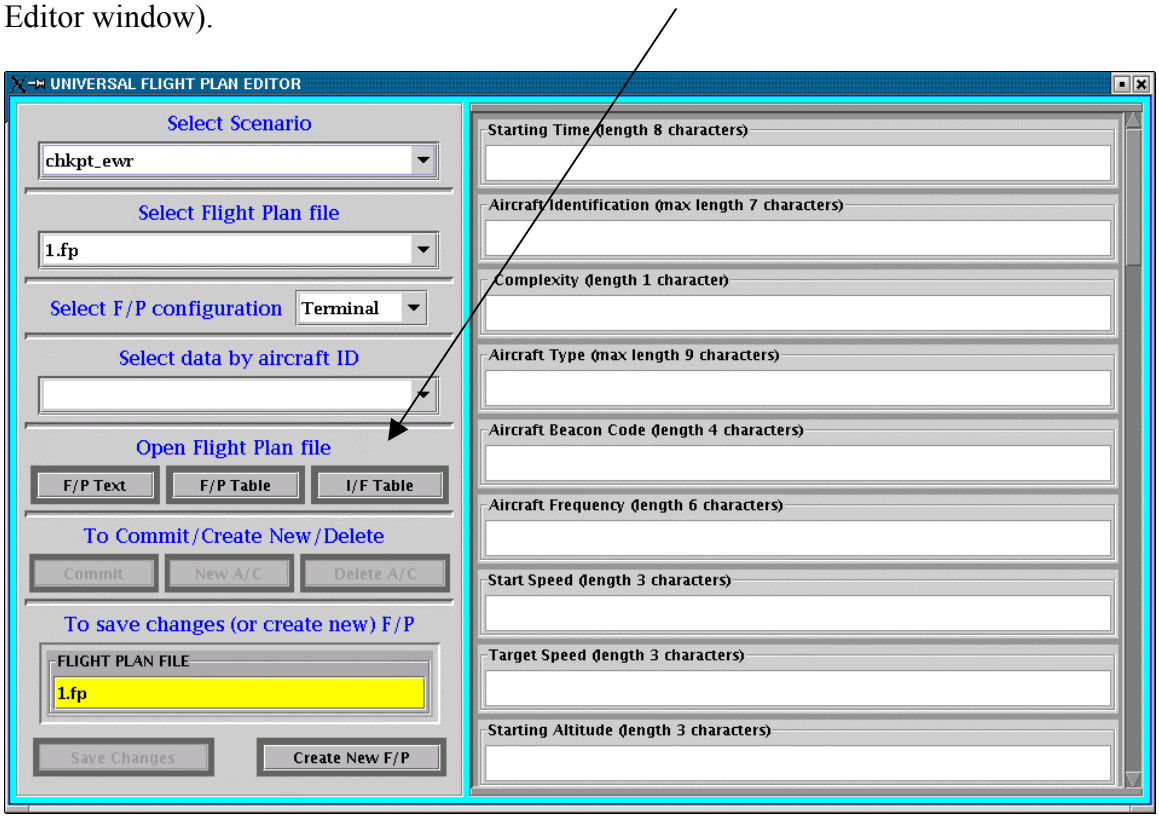

Figure 1

A new window displays the Inter Facility flight plans.

(UFP/E) I/F flight plan: 11N_A.if

A/C Ident.	A/C Data	Beacon	Departure	Time	Altitude	Arrival
610SWA1286	1T/B73B	0662	BAL	E0000	170	LDN
710COA533	DCAT/B73B	6502	GVE	P0001	310	
810UAL1701	1T/B727	0665	BAL	E0003	170	LDN
910USA8006	DCAT/DC9	4762	CSN	P0004	350	
020MEP410	DCAT/DC9	6511	MRB	P0005	350	
120SWA1214	1T/B73A	0676	BAL	E0005	170	LDN
220NWA938	1T/DC9	0610	BAL	E0007	170	LDN
320N83WM	1/LR35	7042	BAL	E0001	170	MOL
420UAL1208	1L/B757	2441	AML	E0005	100	MOL
520N123CH	DCAV/BE90	4626	CSN	P0008	180	
620TRS1	1T/DC9	0574	AML	E0000	100	MOL
720DAL1255	1L/B757	2452	BAL	E0001	170	MOL
820N2610	1T/G3	4656	AML	E0002	100	MOL
920VV7C964	DAA/BE20	4603	BRV	P0004	070	
030PAT1203	DAA/C12	4606	BRV	P0007	070	
130USA1	DCAL/B757	7056	MRB	P0000	200	
230CJC4781	1T/BE02	2746	EMI	E0000	200	IRO
330USA1161	DCAT/B73A	0607	AML	P0002	350	
430SWA1060	1T/B73B	2463	BAL	E0003	170	LDN
530AAL1493	DCAT/MD80	5616	LDN	P0005	310	
630UAL1717	1B/DC10	2462	BAL	E0005	170	AML
730DAL2443	1T/B737	2471	AML	E0006	100	GVE
830USA1683	DCAT/B73B	7002	GVE	P0007	350	
930DAL1853	1L/B757	2476	AML	E0008	100	MOL
040UAL605	DCAL/B757	5645	AML	P0000	350	
140N961MR	DCAT/LR35	5641	MRB	P0002	390	
240USA1177	1T/B73A	7054	BAL	E0003	170	AML
340PDT3029	DCAT/DH8	5635	CSN	P0003	180	
440DAL585	DCAT/MD88	5670	MOL	P0005	350	
540ACA553	DCA/CL60	2470	MRB	P0000	350	
640SWA653	1T/B73B	6570	BAL	E0000	170	AML
740SWA132	1T/B73C	6562	BAL	E0005	170	LDN
840PAT1270	DAAT/BE20	7023	SWA	P0007	130	
940SWA1750	1T/B73A	7041	BAL	E0008	170	GVE
050UAL223	1L/B757	6560	BAL	E0101	170	AML
150N122EJ	1/LR35	6571	BAL	E0103	170	LDN
250USA548	DCAT/B73B	2166	GVE	P0104	280	
350SWA1635	1T/B73B	5647	BAL	E0059	170	MOL
450BLR751	1T/CL60	5623	AML	E0100	100	GVE
550AWE926	1T/EA32	5655	BAL	E0102	170	LDN
650JIA4103	DCAT/SF34	0534	MRB	P0102	210	
750UPS2213	1H/DC8	6525	BAL	E0104	170	LDN
850DAL2009	DCAT/B727	0620	LDN	P0104	350	

Figure 14

This tool provides the validation of any updates according to the Universal Flight Plan documentation.

This document can be found on the TGF home page. Click on - TGF On-line Documentation, and then click on - Flight Plan Users Guide.