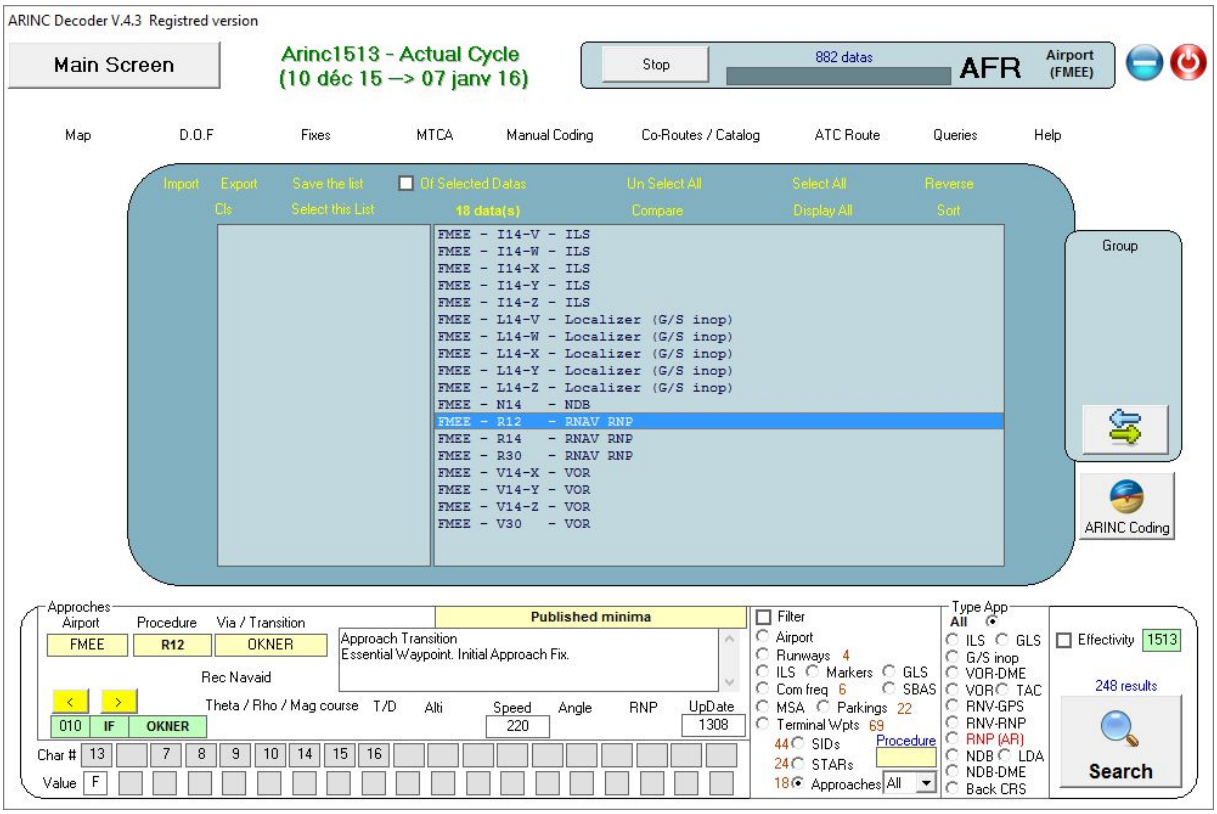
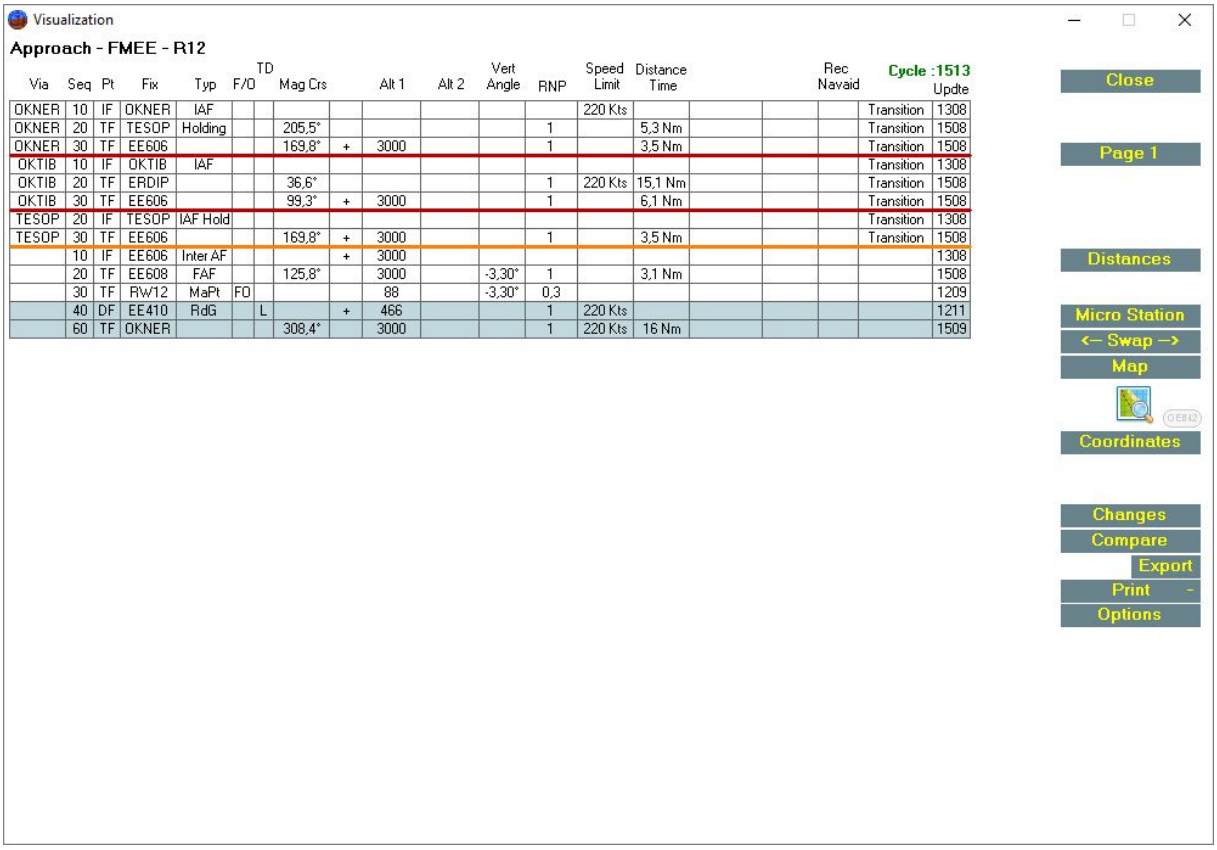
Tuto 1:

Procedure Customization, start from an existing procedure.

You want to modify an approach, example, the RNAV GNSS 12 at FMEE

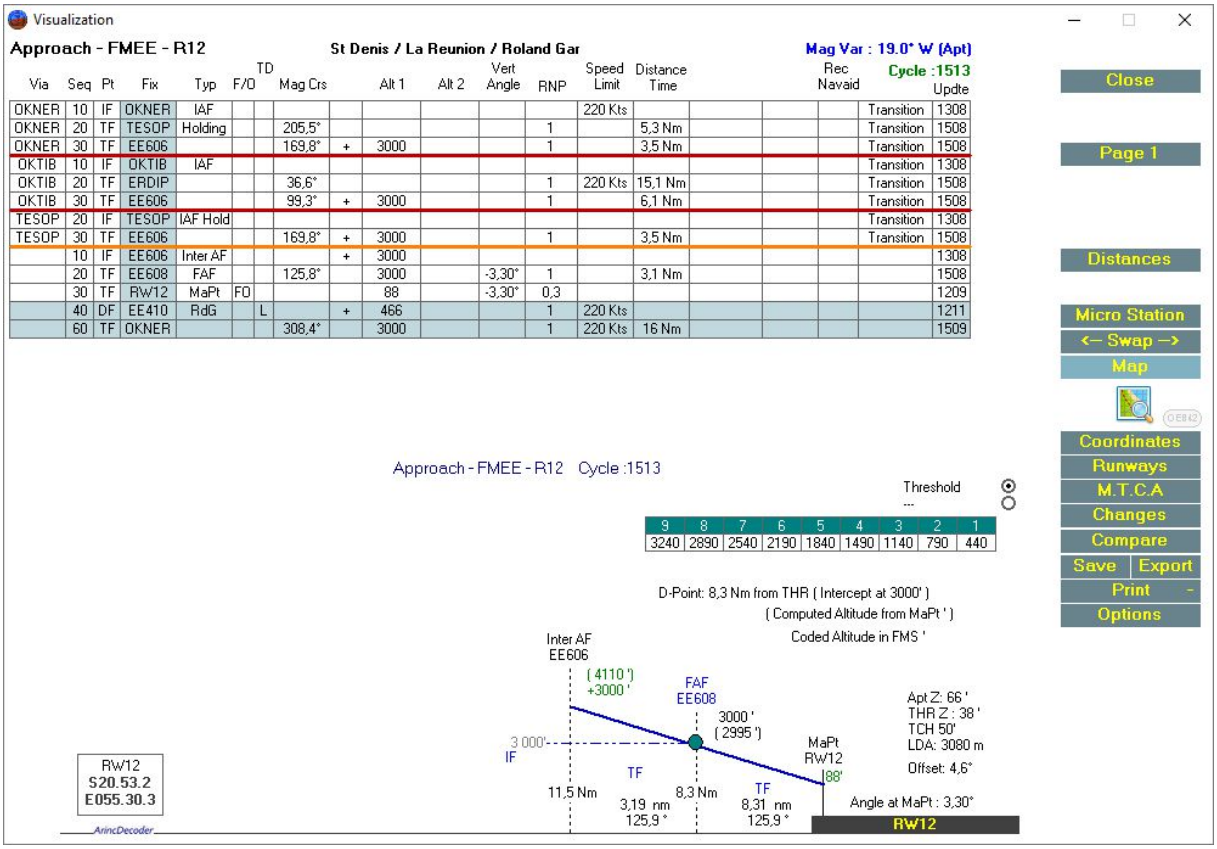


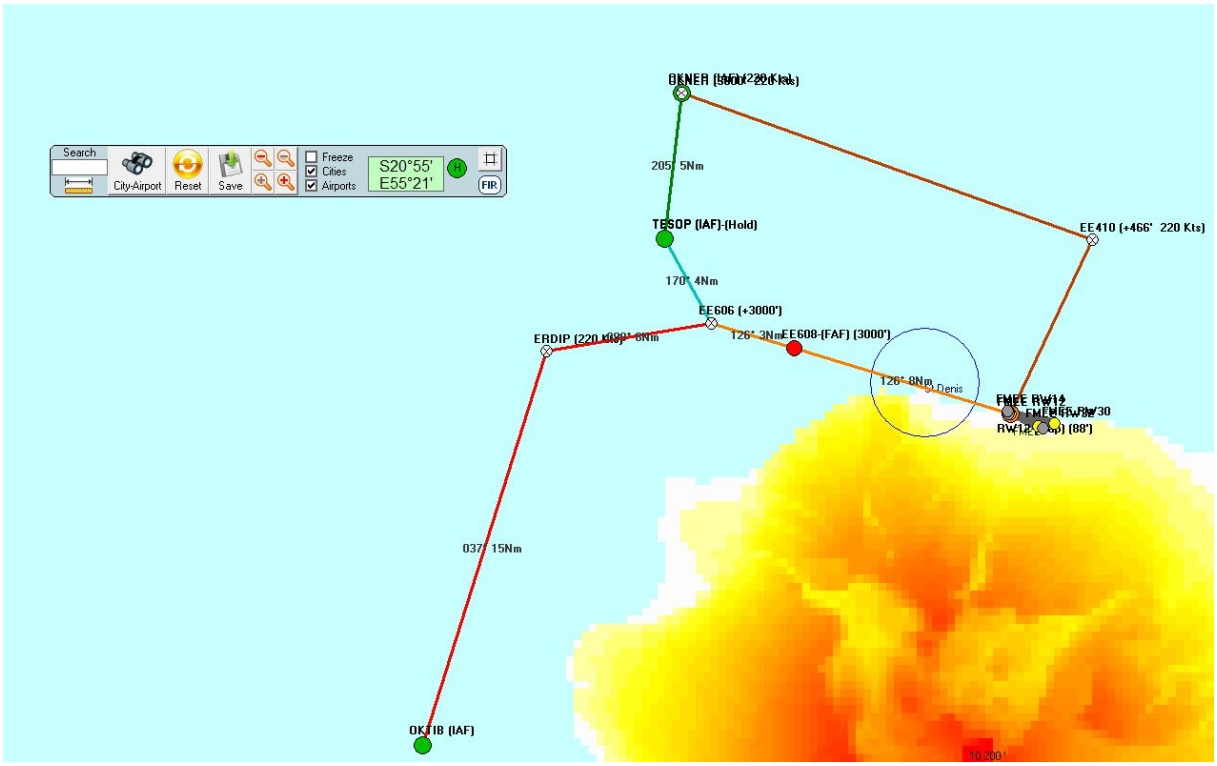
You open it…



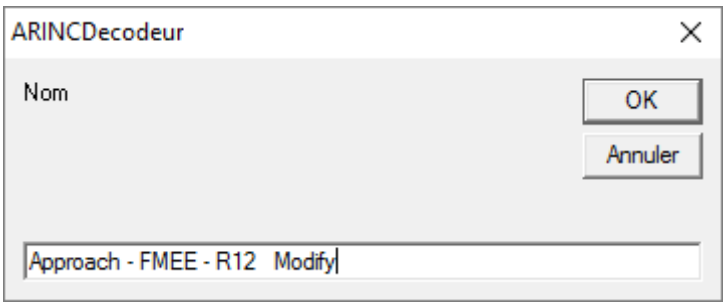
Via	Seq	Pt	Fix	Typ	TD F/O		Mag Crs		Alt 1	Alt 2	Vert Angle	RNP	Speed Limit	Distance Time			Rec Navaid	Cycle :1513 Updte
OKNER	10	IF	OKNER	IAF									220 Kts					Transition 1308
OKNER	20	TF	TESOP	Holding			205,5°					1		5,3 Nm				Transition 1508
OKNER	30	TF	EE606				169,8°	+	3000			1		3,5 Nm				Transition 1508
OKTIB	10	IF	OKTIB	IAF														Transition 1308
OKTIB	20	TF	ERDIP				36,6°					1	220 Kts	15,1 Nm				Transition 1508
OKTIB	30	TF	EE606				99,3°	+	3000			1		6,1 Nm				Transition 1508
TESOP	20	IF	TESOP	IAF Hold														Transition 1308
TESOP	30	TF	EE606				169,8°	+	3000			1		3,5 Nm				Transition 1508
	10	IF	EE606	Inter AF				+	3000									1308
	20	TF	EE608	FAF			125,8°		3000		-3,30°	1		3,1 Nm				1508
	30	TF	RW12	MaPt	FO				88		-3,30°	0,3						1209
	40	DF	EE410	RdG		L		+	466			1	220 Kts					1211
	60	TF	OKNER				308,4°		3000			1	220 Kts	16 Nm				1509

Press on « Map »


Visualization
Approach - FMEE - R12
St Denis / La Reunion / Roland Gar
Mag Var : 19.0° W (Apt)
Cycle :1513
Close
Page 1
Distances
Micro Station
<-- Swap -->
Map
Coordinates
Runways
M.T.C.A
Changes
Compare
Save
Export
Print
Options
Approach - FMEE - R12 Cycle :1513
Threshold
9 8 7 6 5 4 3 2 1
3240 2890 2540 2190 1840 1490 1140 790 440
D-Point: 8,3 Nm from THR (Intercept at 3000')
(Computed Altitude from MaPt ')
Coded Altitude in FMS '
Inter AF
EE606
(4110 ')
+3000 '
FAF
EE608
3000 '
(2995 ')
3 000'
IF
MaPt
RW12
88'
Apt Z: 66 '
THR Z : 38 '
TCH 50'
LDA: 3080 m
Offset: 4,6°
TF
11,5 Nm
TF
8,3 Nm
3,19 nm
125,9 °
8,31 nm
125,9 °
Angle at MaPt : 3,30°
RW12
RW12
S20.53.2
E055.30.3
ArincDecoder

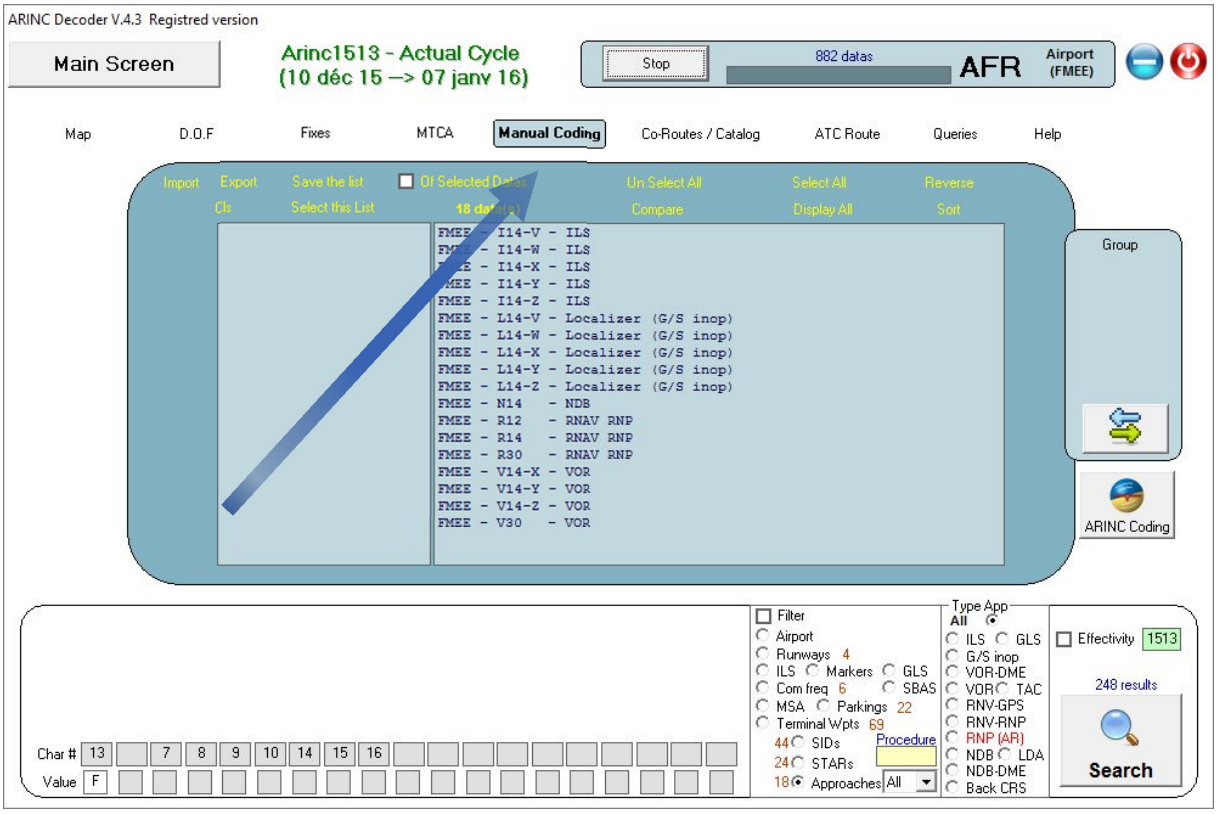

Search
City-Airport
Reset
Save
Freeze
Cities
Airports
S20°55'
E55°21'
FIR
OKNER (IAF) (220 Kts)
205° 5Nm
TESOP (IAF)-(Hold)
EE410 (+466' 220 Kts)
170° 4Nm
EE606 (+3000')
ERDIP (220 Kts) 6Nm
126° 3Nm
EE608-(FAF) (3000')
126° 8Nm
St Denis
037° 15Nm
OKTIB (IAF)
10 200 '

Then on « Save » to extract all the coding and the coordinates of the fixes of this procedure.

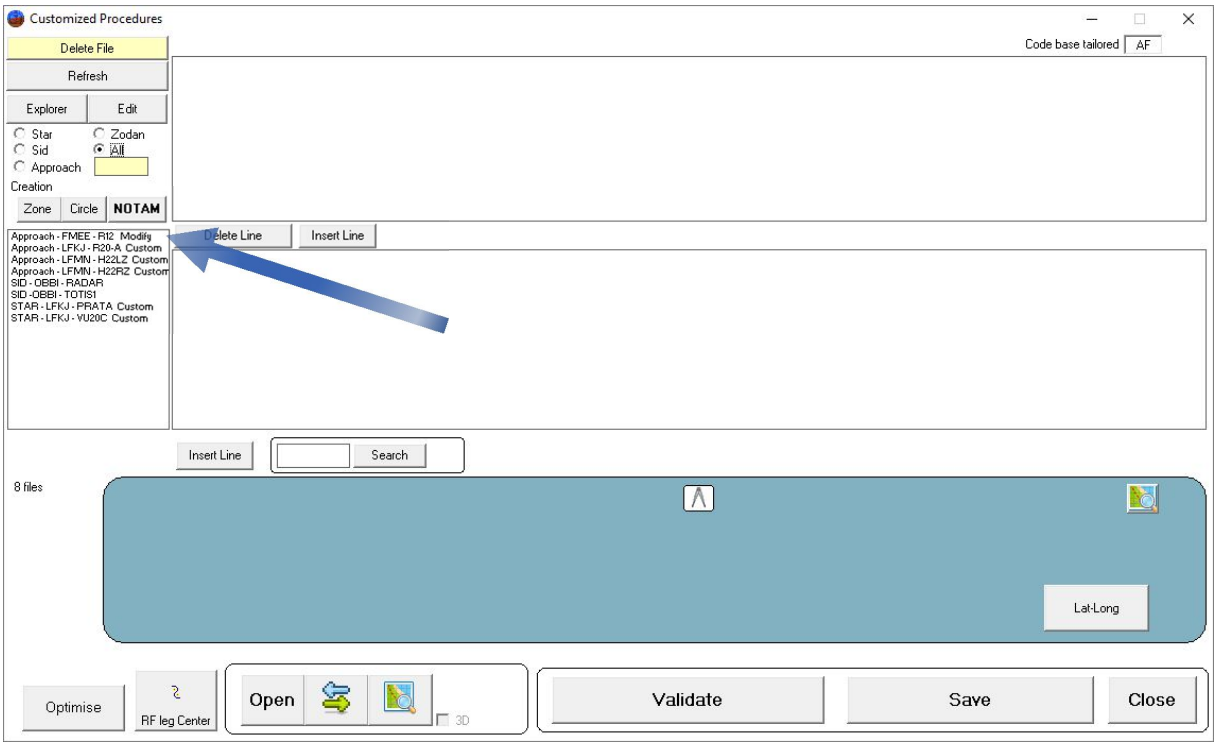


You give a name.

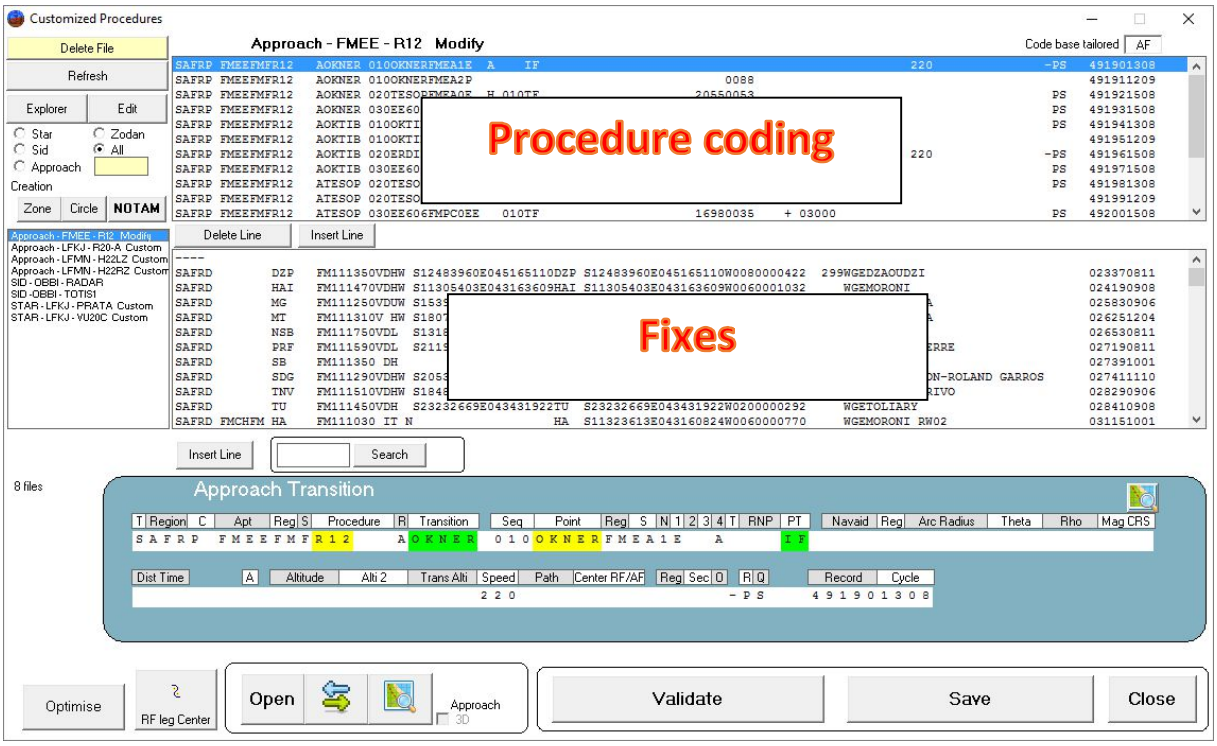
On the main screen you press on “Manual coding”



You find and select your procedure… (it can be a star, SID, Approache or zone PRD(Zodan))

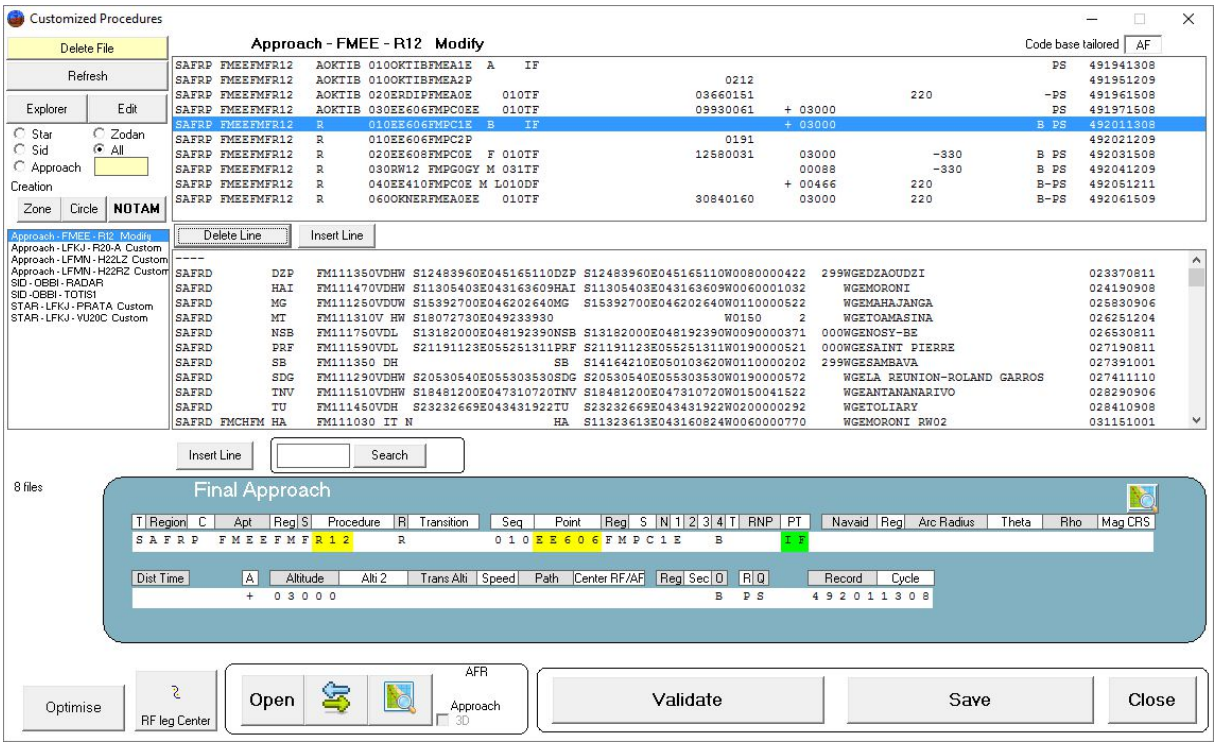


All the coding is available at the top and in the bottom list, all the fixes available in the area



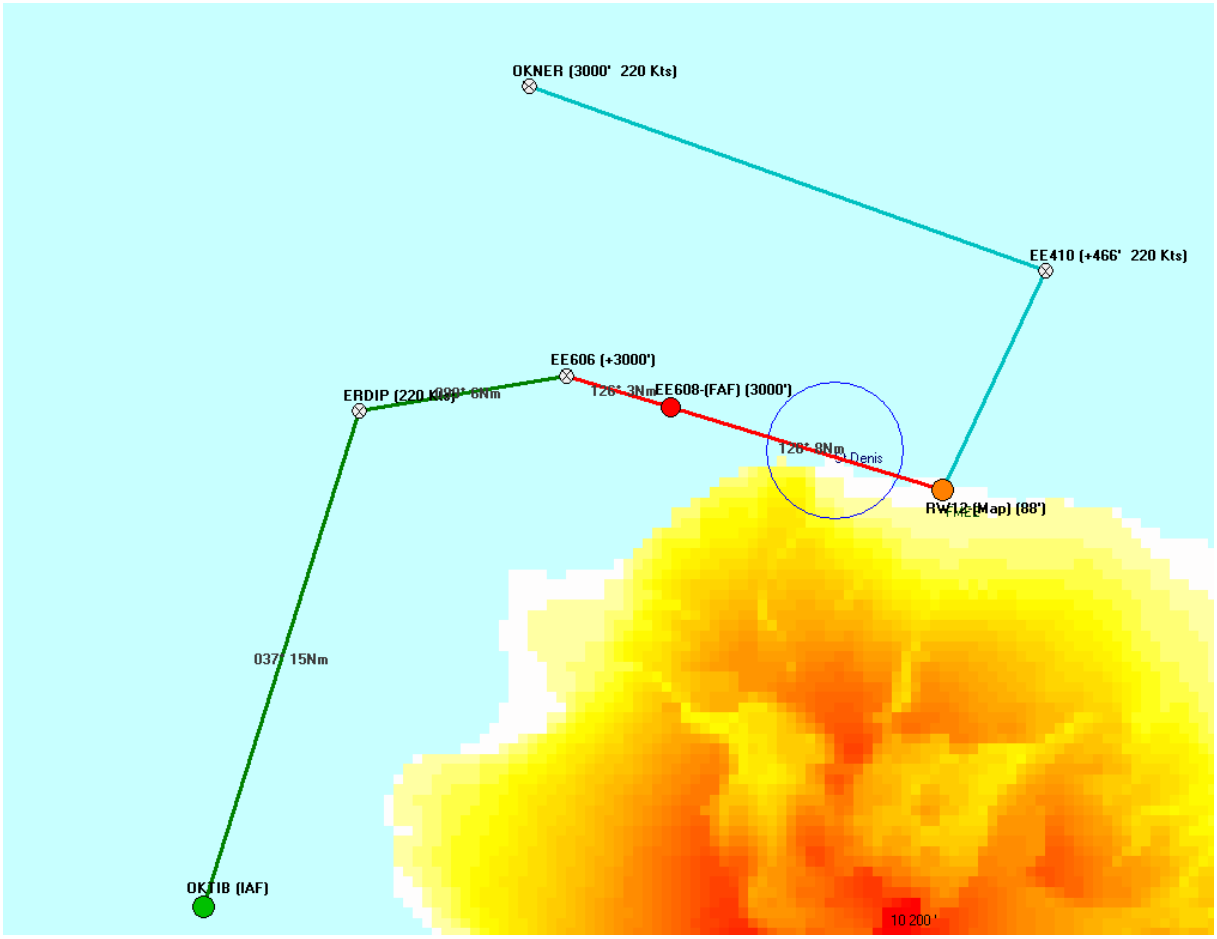
If you modify anything, it won't change anything in the master file, but in this new "*.cus" file.

Example, I remove all the transitions exept transition OKTIB:



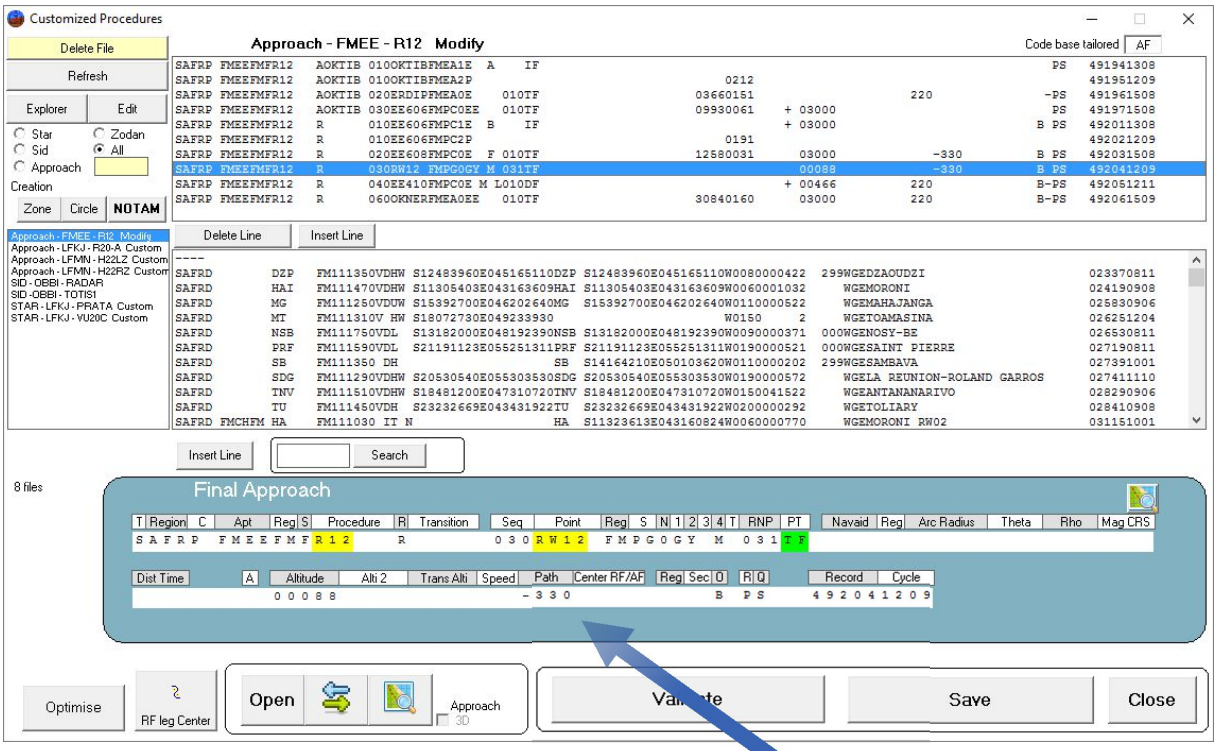
By selecting lines and then pressing “delete line”

Always press on save before re opening or plotting:

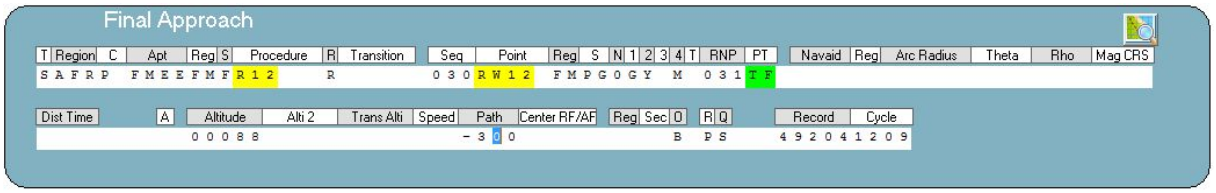


Then you want to change something in the coding, example… the path is at 3.30° and I want to do it with 3° (the obstacles are now clear…)

I press on the line of the MAPt

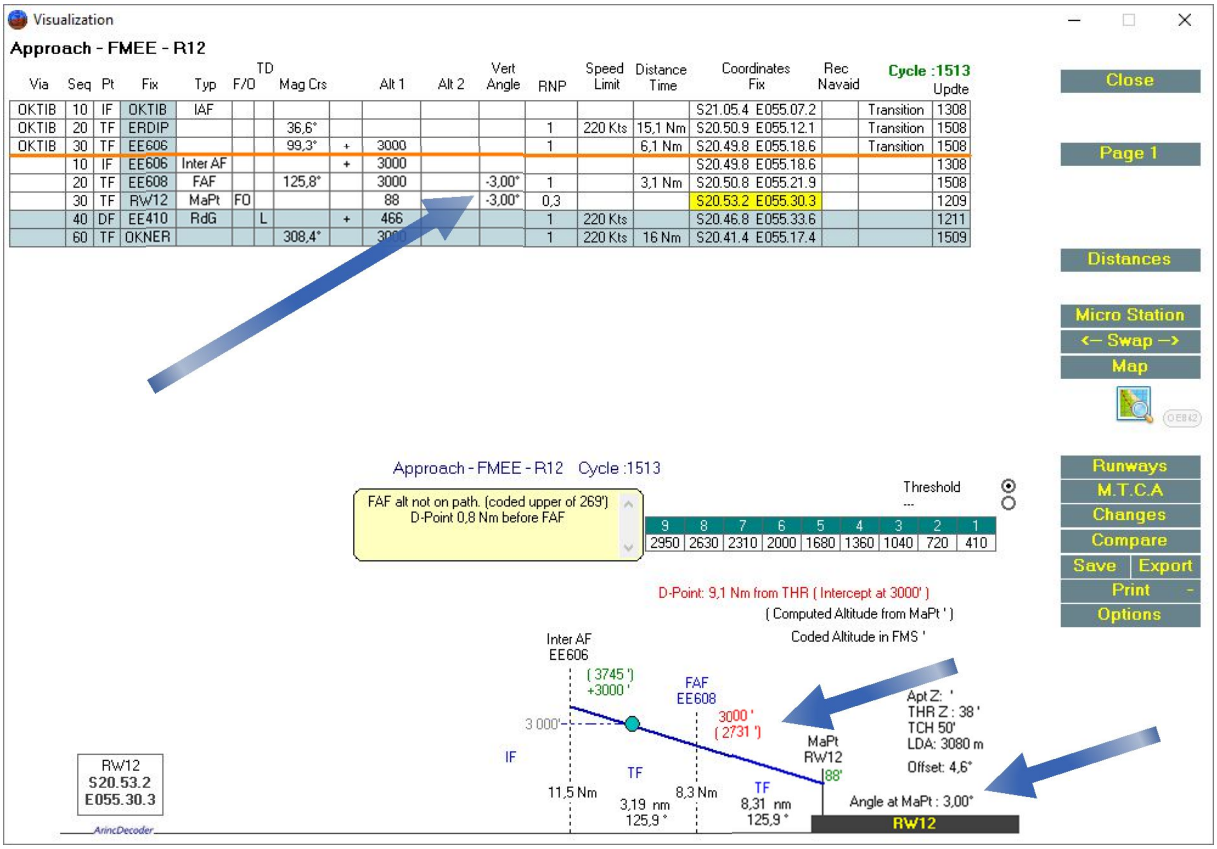


And easily I change 330 to 300 under the “Path” field.



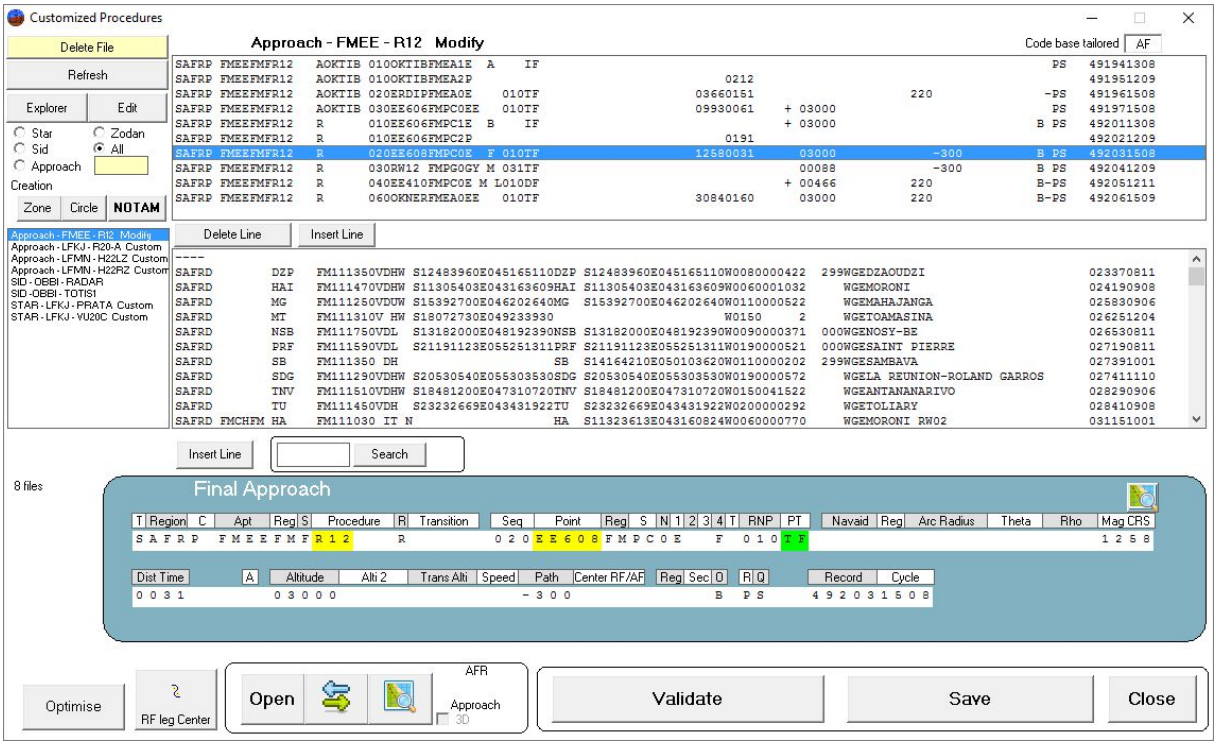
I validate then Save.

I do the same at the FAF (to have the same path on the final) and I can plot my new procedure…

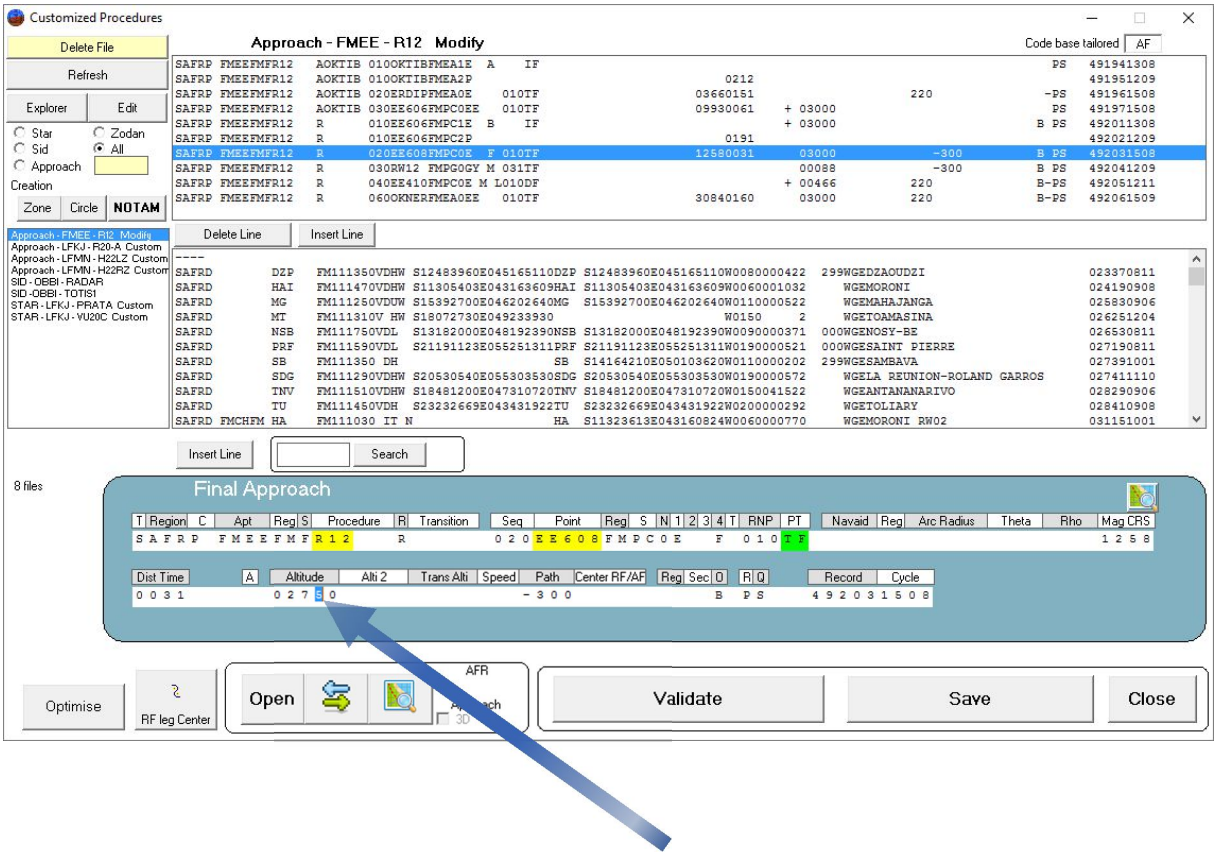


Where now we see that the coding is not anymore consistent… the FAF is coded at 3000’ and with the new path we should be at 2730’… we can recode the level altitude at 2750’…

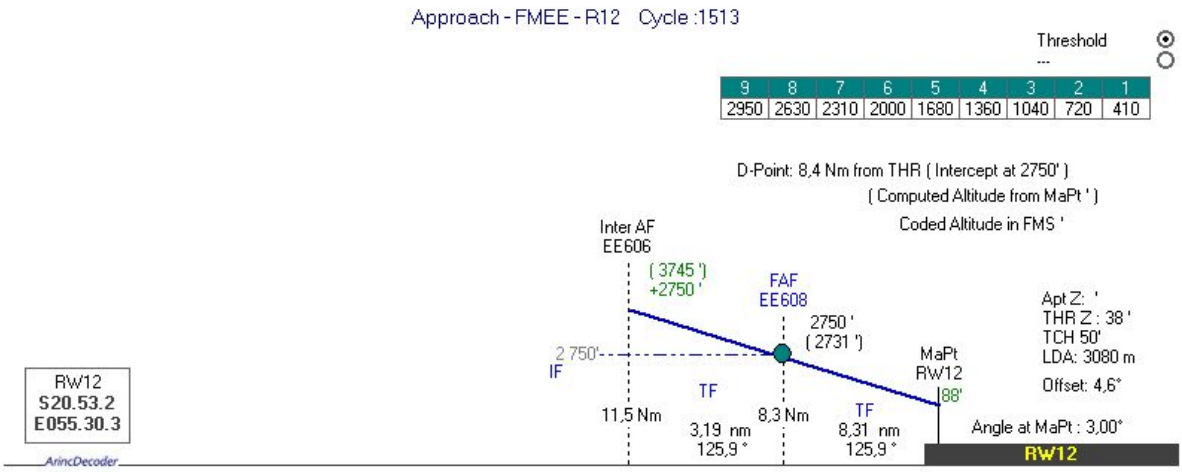
FAF line…



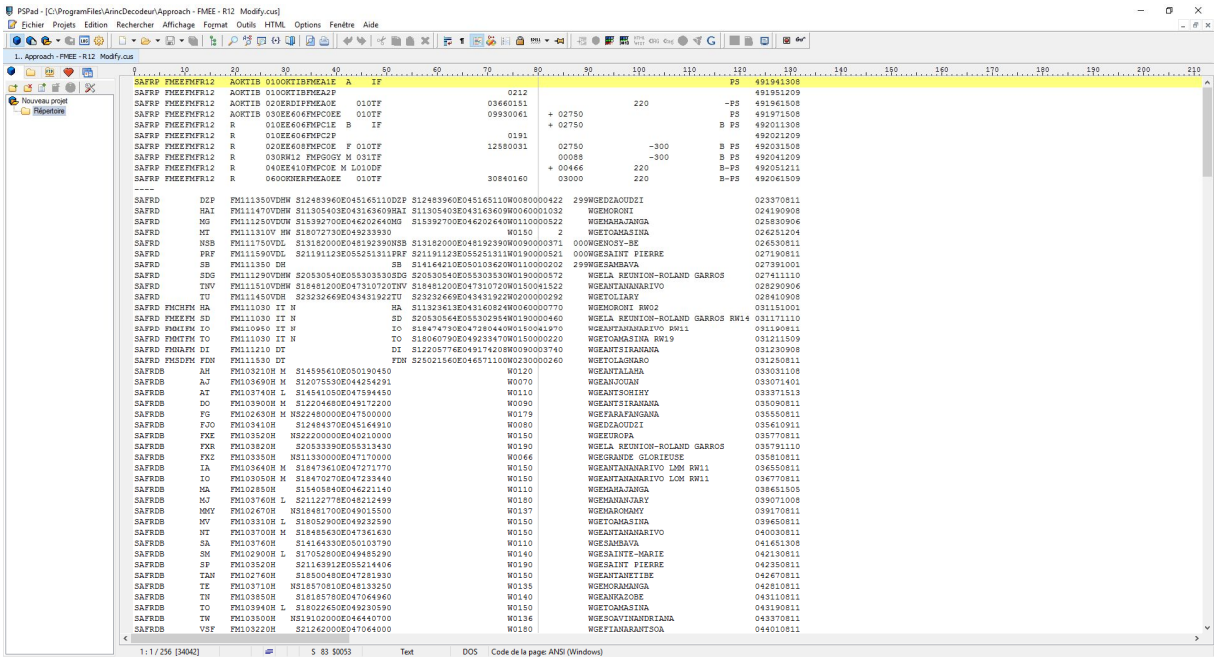
And I change the Altitude field, from 3000 to 2750…



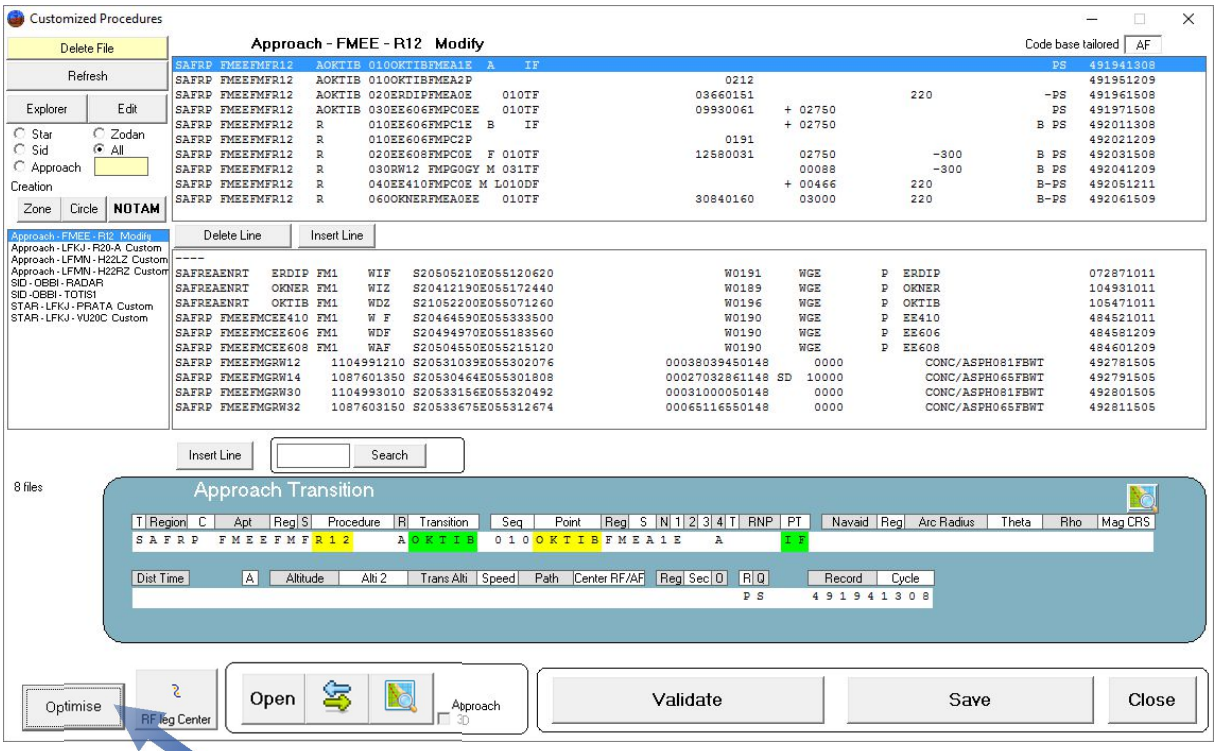
Same at the IAF lines and all is now nominal…

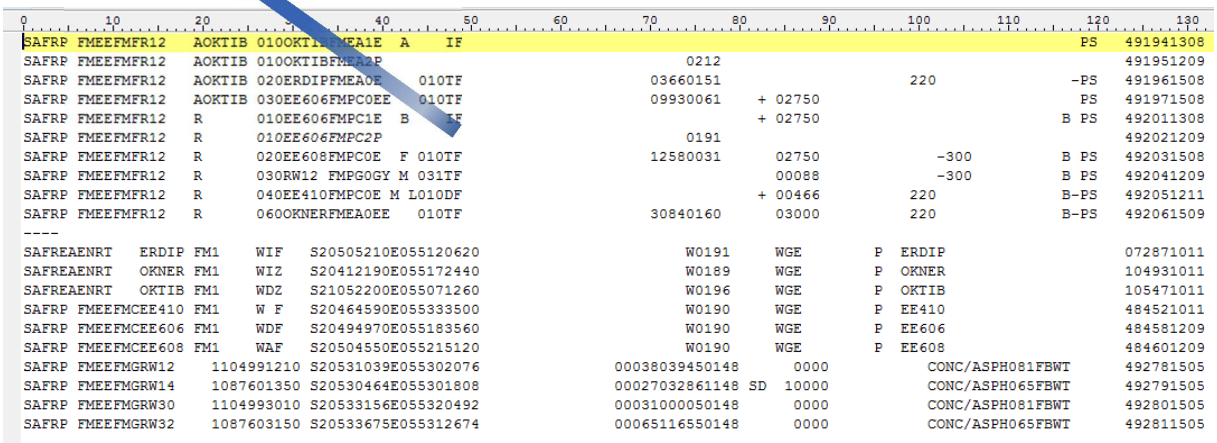


If you want the coding in the A424 format, just open your file with a text editor with the edit button:



By default, all the fixes of the area still available, but when you're sure you won't add a new fix, you can only keep those used in your procedure, with the button "Optimize".





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SAFRP FMEEFMFR12   AOKTIB 010OKTIBFMEA1E  A    IF                                                PS   491941308
SAFRP FMEEFMFR12   AOKTIB 010OKTIBFMEA2P                    0212                                       491951209
SAFRP FMEEFMFR12   AOKTIB 020ERDIPFMEA0E    010TF          03660151                  220          -PS   491961508
SAFRP FMEEFMFR12   AOKTIB 030EE606FMPC0EE   010TF          09930061    + 02750                    PS   491971508
SAFRP FMEEFMFR12   R       010EE606FMPC1E  B    IF                     + 02750                 B PS   492011308
SAFRP FMEEFMFR12   R       010EE606FMPC2P                    0191                                       492021209
SAFRP FMEEFMFR12   R       020EE608FMPC0E  F 010TF          12580031      02750          -300    B PS   492031508
SAFRP FMEEFMFR12   R       030RW12 FMPG0GY M 031TF                        00088          -300    B PS   492041209
SAFRP FMEEFMFR12   R       040EE410FMPC0E M L010DF                      + 00466          220     B-PS   492051211
SAFRP FMEEFMFR12   R       060OKNERFMEA0EE   010TF          30840160      03000          220     B-PS   492061509
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SAFREAENRT   ERDIP FM1    WIF   S20505210E055120620                W0191     WGE       P  ERDIP          072871011
SAFREAENRT   OKNER FM1    WIZ   S20412190E055172440                W0189     WGE       P  OKNER          104931011
SAFREAENRT   OKTIB FM1    WDZ   S21052200E055071260                W0196     WGE       P  OKTIB          105471011
SAFRP FMEEFMCEE410 FM1    W F   S20464590E055333500                W0190     WGE       P  EE410          484521011
SAFRP FMEEFMCEE606 FM1    WDF   S20494970E055183560                W0190     WGE       P  EE606          484581209
SAFRP FMEEFMCEE608 FM1    WAF   S20504550E055215120                W0190     WGE       P  EE608          484601209
SAFRP FMEEFMGRW12    1104991210 S20531039E055302076  00038039450148      0000          CONC/ASPH081FBWT  492781505
SAFRP FMEEFMGRW14    1087601350 S20530464E055301808  00027032861148 SD  10000          CONC/ASPH065FBWT  492791505
SAFRP FMEEFMGRW30    1104993010 S20533156E055320492  00031000050148      0000          CONC/ASPH081FBWT  492801505
SAFRP FMEEFMGRW32    1087603150 S20533675E055312674  00065116550148      0000          CONC/ASPH065FBWT  492811505
```

You only have in your file the mandatory lines.