



F-16 C/D

Block 52

Navigation : Balkan Volume

**Not suited for Real Operations
For FALCON 4 ALLIED FORCE Use Only**



CONTENTS

1. Contents.
2. TACAN Selection Normal and backup mode.
3. Blank for Notes.
4. Italy airbases.
5. Italy, Sicily, Greece and Macedonia airbases.
6. Albania, Slovenia and Montenegro airbases/airstrips.
7. Serbia, Bosnia Herzegovina and Croatia airbases/airstrips.
8. Hungary airbases.
9. Balkan Map.

TACAN SELECTION – NORMAL MODE

1. ICP Select T-ILS page
2. DED Check scratchpad selected. If not use the CNI-up btn to select scratchpad entry.(between asterisks)
3. ICP Input TCN channel (numeric btns) then ENTER key
4. DED Check TCN domain (A/A TR or TR) Toggle domain with CNI-SEQ button.
5. DED Check band. X for ground Y for air. Change band by inputing 0 (zero) on the scratchpad.
6. HSI Select TCN mode and check in range (flags off)
7. HSI Select Radial (CRS knob) and navigate.
8. ICP CNI-Rtn button to return to main DED page.

TACAN SELECTION – BACKUP OPS

1. TACAN switch Select BACKUP
2. TACAN domain As required manually A/A TR or TR
3. TACAN band As required manually X (ground) or Y (air)
4. TACAN channel Manually input TCN channel.
Select TCN mode and check in range
5. HSI (flags off)
6. HSI Select Radial (CRS knob) and navigate
7. TACAN switch Back to UFC if required.

Note:

Backup mode is provided in case of avionic failure or battle damage. When all instruments are lost the backup mode may be the only mean to recover in friendly territory. All backup switches are on the left side panel.

**PAGE INTENTIONALLY LEFT BLANK
USE FOR NOTES**

TACAN LIST FOR BALKAN

ITALY						
Airport	Chnl	Rng	ILS	RNW	Elev	Lat - long
Amendola	054X	40	N/A	11/29	155	N41°07.73' E16°46.60'
Ampugnano	039X	50	N/A	18/36	630	N42°42.03' E11°19.43'
Asiago	049X	50	N/A	05/23 L/R	3409	N45°08.59' E11°39.34'
Aviano	111X	25	109.5	03/21	413	N45°16.14' E13°04.42'
Bologna	059X	50	108.9	12/30	111	N43°54.23' E11°21.31'
Bolzano	117Y	25	N/A	02/20 L/R	784	N45°38.77' E11°23.51'
Brindisi-Casale	079X	50	109.5	01/19 15/33	1	N40°19.77' E19°23.62'
Capodichino	125Y	25	109.5	08/26	150	N40°34.86' E14°58.03'
Cervia	083X	40	N/A	12/30	19	N43°36.99' E12°40.85'
Ciampino	045X	40	109.9	16/34	350	N41°23.35' E12°57.83'
Crotone	R085°	072X	Dme46	02/20	470	N38°47.63' E18°10.37'
Falconara	035X	25	111.9	02/20	150	N43°01.43' E13°59.48'
Fiumicino Intl.	096X	80	109.7	16/34 L/R	6	N41°22.28' E12°31.55'
Forli	062X	25	109.7	12/30	110	N43°35.37' E12°20.72'
Frosinone	028X	50	N/A	16/34	760	N41°16.35' E13°43.11'
Ginolisa	063X	40	N/A	16/34	270	N41°08.88' E16°31.88'
Gioia del colle	125X	50	N/A	16/34 L/R	1150	N40°26.24' E18°10.09'
Grazzanise	122X	25	N/A	08/26	29	N40°42.94' E14°43.58'
Grosseto	028X	25	N/A	02/20	13	N42°16.70' E11°05.46'
Grottaglie	115X	40	N/A	02/20	200	N40°11.69' E18°43.12'
Guidogna	066X	50	N/A	16/34 18/36	289	N41°34.13' E13°08.56'
Istrana	054X	25	N/A	08/26	138	N44°58.35' E12°23.40'
Lamezia Terme	072X	50	110.3	02/20	60	N38°43.86' E17°12.66'
Latina	049X	50	N/A	12/30	93	N41°08.27' E13°18.44'
Lecce	075X	50	N/A	14/32	165	N39°27.14' E19°34.19'
Matera	081X	50	N/A	14/32	350	N40°07.92' E17°42.08'
Mattarello	084X	50	N/A	08/26	610	N45°16.68' E11°08.81'
Padova	092X	25	N/A	05/23 L/R	44	N44°42.73' E12°01.80'
Palese Macchie	100X	50	115.3	08/26	150	N40°45.64' E17°59.57'

TACAN LIST FOR BALKAN Continued**ITALY (Continued)**

Airport	Chnl	Rng	ILS	RNW	Elev	Lat - long
Peretola	072X	50	110.3	03/21	230	N43°14.36' E11°15.16'
Perugia	031X	50	110.95	01/19	693	N42°35.56' E12°53.09'
Pescara	106X	50	110.7	02/20	48	N41°57.30' E14°55.13'
Practica di Mare	024X	40	108.5	12/30	140	N41°14.73' N12°48.57'
Ravenna	102X	50	N/A	08/26	6	N43°45.07' E12°32.87'
Reggio Calabria	047X	50	111.0	14/32 L/R	3	N37°55.36' E16°26.17'
Rimini	109X	50	109.3	12/30	16	N43°24.60' E13°02.02'
Rivolto	037X	50	N/A	08/26	160	N45°13.44' E13°39.51'
Roma Urbe	106X	50	N/A	16/34	88	N41°34.44' E12°53.36'
Ronchi dei legionari	089X	40	109.7	11/29	42	N45°06.36' E14°13.48'
San Pancrazio	109X	50	N/A	02/20	160	N40°07.92' E19°15.11'
Treviso	043X	50	N/A	08/26	57	N44°55.12' E12°31.70'
Venezia Tessera	100X	40	110.3	05/23 L/R	3	N44°47.58' E12°45.92'
Vicenza	081X	50	N/A	18/36	128	N44°52.43' E11°43.72'

SICILY

Catania	058X	50	109.9	08/26	450	N37°26.26' E15°39.26'
Fontanarossa	070X	50	109.9	05/23 L/R	3	N38°02.80' E13°27.46'
Palermo	108X	50	N/A	02/20 L/R	69	N36°48.54' E12°06.29'
Pantelleria	108X	50	N/A	02/20 L/R	69	N36°48.54' E12°06.29'
Sigonella	058X	50	N/A	14/32 L/R	81	N37°19.80' E15°30.73'
Trapani Birgi	025X	50	N/A	16/34 L/R	60	N37°48.36' E12°45.37'

GREECE

Ioannina	023X	50	N/A	14/32	1730	N39°24.81' E22°40.60'
Kefallinia	047X	50	N/A	03/21	140	N38°00.75' E22°05.80'
Preveza	029X	50	110.9	08/26	3	N38°43.32' E22°31.70'
Zakinthos	045X	50	N/A	02/20	45	N37°39.73' E22°27.83'

MACEDONIA

Ohrid	072X	25	108.9	02/20	2250	N40°48.33'N E22°50.10'
-------	-------------	-----------	--------------	-------	------	------------------------

TACAN LIST FOR BALKAN Continued**ALBANIA**

Airport	Chnl	Rng	ILS	RNW	Elev	Lat - long
Berat	032X	50	N/A	02/20	110	N40°26.78' E21°42.57'
Cerrik airstrip	R146° 077X Dme103			18/36	924	N40°27.85' E22°13.19'
Durres airstrip	R167° 077X Dme56			18/36	35	N40°59.11' E21°19.95'
Elbasan	033X	50	N/A	05/23 L/R	445	N40°40.25' E21°56.80'
Gjirokaster	064X	50	N/A	16/34	777	N39°46.90' E21°57.35'
Gramsh	065X	50	N/A	16/34	23	N41°28.20' E21°34.63'
Korce North	070X	50	N/A	02/20	2640	N40°18.69' E22°45.59'
Kukes	040X	50	N/A	14/32	970	N41°35.75' E22°35.67'
Lushnje airstrip	R163° 077X Dme78			18/36	52	N40°39.17' E21°31.06'
Mifol	089X	50	N/A	02/20	13	N40°17.08' E21°09.24'
Peshkopi airstrip	R120° 077X Dme77			18/36	2500	N41°15.27' E22°34.18'
Shkoder	035X	50	N/A	14/32	75	N41°36.83' E21°31.72'
Tirane International	094X	50	N/A	12/30	200	N40°56.95' E21°42.02'
Tirane Rinas	091X	50	N/A	02/20	125	N41°02.34' E21°38'.32'

SLOVENIA

Bloska Polica airstrip	R165° 074X Dme27			09/27	2550	N45°45.01' E15°39.37'
Cerklje airstrip	R279° 084X Dme41			09/27	510	N45°06.98' E16°40.18'
Cerklje	060X	50	N/A	08/26	528	N45°09.67' E16°53.44'
Ljubljana	074X	100	110.5	12/30	1200	N45°26.91' E15°31.52'
Maribor	079X	25	110.1	16/34	876	N45°40.92' E17°10.60'
Portoroz	097X	25	N/A	16/34	160	N44°44.34' E15°32.97'
Slovenj Gradec	115X	50	N/A	16/34	1450	N45°42.00' E16°23.66'

MONTENEGRO

Danilovgrad airstrip	R328° 077X Dme11			09/27	180	N42°02.15' E21°06.88'
Gorazde airstrip	R290° 114X Dme42			09/27	2475	N42°59.81' E21°08.92'
Ivangrad	104X	50	N/A	01/19	2260	N42°16.70' E22°00.92'
Podgorica	077X	80	113.0	05/23 L/R	121	N41°52.99' E21°12.66'
Tivat	029X	50	110.3	14/32	10	N41°55.15' E20°33'.90'

TACAN LIST FOR BALKAN Continued**SERBIA**

Airport	Chnl	Rng	ILS	RNW	Elev	Lat - long
Batajnica	056X	50	N/A	16/34 L/R	272	N44°15.79' E22°57.85'
Beograd	070X	150	110.3	12/30	265	N44°10.40' E22°57.85'
Kovin	037X	50	N/A	12/30	242	N44°07.16' E23°42.23'
Kraljevo	039X	50	N/A	14/32	700	N43°14.36' E23°06.72'
Lepa Glava	072X	50	N/A	12/30	2733	N43°15.15' E21°59.16'
Sabac airstrip	R267° 070X	Dme38		18/36	210	N44°08.78' E22°04.96'
Sjenica	112X	50	N/A	12/30	3500	N42°43.10' E22°19.52'
Sombor	117X	50	N/A	14/32	282	N45°00.51' E21°29.92'

BOSNIA HERZEGOVINA

Banja Luka	055X	50	108.7	16/34	400	N44°16.32' E19°04.26'
Bihac	059X	50	N/A	12/30	1105	N44°11.47' E17°03.36'
Brcko airstrip	R347° 069X	Dme28		09/27	288	N44°17.40' E20°46.79'
Mostar	116X	25	N/A	16/34 R/L	174	N42°43.10' E19°34.50'
Sarajevo Intl	114X	150	110.7	12/30	1707	N43°14.90' E20°18.16'
Slavonski Brod airstrip	R267° 070X	Dme38		09/27	288	N44°08.78' E22°04.96'
Tuzla	069X	25	109.7	12/30	785	N44°50.46' E20°50.57'
Trebinje airstrip	R179° 114X	Dme59		18/36	2020	N42°16.16' E20°10.87'

CROATIA

Bjelovar airstrip	R080° 084X	Dme43		18/36	310	N45°07.51' E18°37.08'
Dubrovnic Intl	101X	100	110.1	12/30	150	N42°04.31' E19°34.50'
Karlovac airstrip	R235° 084X	Dme33		18/36	550	N44°42.19' E16°57.46'
Osijek	120X	50	N/A	02/20 L/R	292	N44°44.88' E21°05.83'
Pula	049Y	100	111.5	08/26	147	N44°13.09' E14°45.18'
Rijeka	125X	100	108.5	08/26	600	N44°37.88' E15°32.97'
Split	104X	100	110.5	03/21	50	N42°59.27' E17°39.62'
Udbina	042X	50	N/A	12/30	2191	N43°55.85' E17°04.01'
Varazdin	041X	25	N/A	02/20	548	N45°30.15' E18°04.00'
Zadar	023X	70	N/A	08/26	245	N43°29.98' E16°32.43'
Zagreb	084X	100	109.5	05/23 L/R	351	N45°00.51' E17°36.70'

TACAN LIST FOR BALKAN Continued

HUNGARY

Airport	Chnl	Rng	ILS	RNW	Elev	Lat - long
Nagykanisza	123X	50	N/A	16/34	449	N45°37.69' E18°51.95'
Ocseny	090X	50	N/A	16/34	230	N45°30.69' E21°10.92'
Pecs East	093X	50	N/A	16/34	520	N45°15.60' E20°26.11'
Satorhely	111X	50	N/A	08/26	410	N45°10.75' E20°55.11'
Szeged	050X	50	N/A	02/20 L/R	255	N45°26.91' E22°56.23'
Taszar	089X	50	N/A	16/34 L/R	466	N45°37.15' E20°04.30'

Note 1 :

This list is not 100% correct. I believe LP made some mistakes by assigning Y band tacan channels to ground tacan, especially for airstrips. Airstrips always had Y band tacan but with a range of zero to simulate the absence of tacan. It is my impression they mistakenly activated their range. Except for simulating portable tacan unit, airstrips are simply a strip of motorway and as such should not have a fixed tacan station. As a consequence, I decided to continue listing airstrips with a radial and a DME from a known tacan station as I always did. The only exceptions to this rule are the airbases: Bolzano, Capodichino and Pula which also have Y band tacan. Crotone has a tacan channel assigned but its range is zero...? I hope these last four will be corrected soon by LP.

Furthermore, the GPS coordinates from F4AF manual differs from 1° in the longitude with what we have in the game. This list gives the correct in-game coordinates and not the coordinates of the manual. And finally, some errors in runway alignment have been corrected from the information given in the manual.

Note 2 :

The map may not give satisfactory result when printed due to its large resolution. It may be best to print the kneemap.gif file directly on a large sheet of paper.

BALKAN MAP

