

Page 1

Changed chart(s) since Disc 16-2010

ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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No revision activity since Disc 16-2010

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport UTSS

UTSS (Samarkand)**General Info**

Samarkand, UZB

N 39° 42.0' E 66° 59.0' Mag Var: 4.3°E

Elevation: 2225'

Public, IFR, Control Tower, Customs

Fuel: Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+5:00 no DST

Runway Info

Runway 09-27 10187' x 161' concrete

Runway 09 (91.0°M) TDZE 2179'

Lights: Edge, ALS

Runway 27 (271.0°M) TDZE 2222'

Lights: Edge, ALS

Displaced Threshold Distance 787'

Communications InfoATIS **127.8** Non-EnglishSamarkand Tower **121.8** Secondary VHF-DFSamarkand Tower **118.7** VHF-DFSamarkand Approach Control **123.7** SecondarySamarkand Approach Control **120.8****Notebook Info**

UTSS/SKD
SAMARKAND

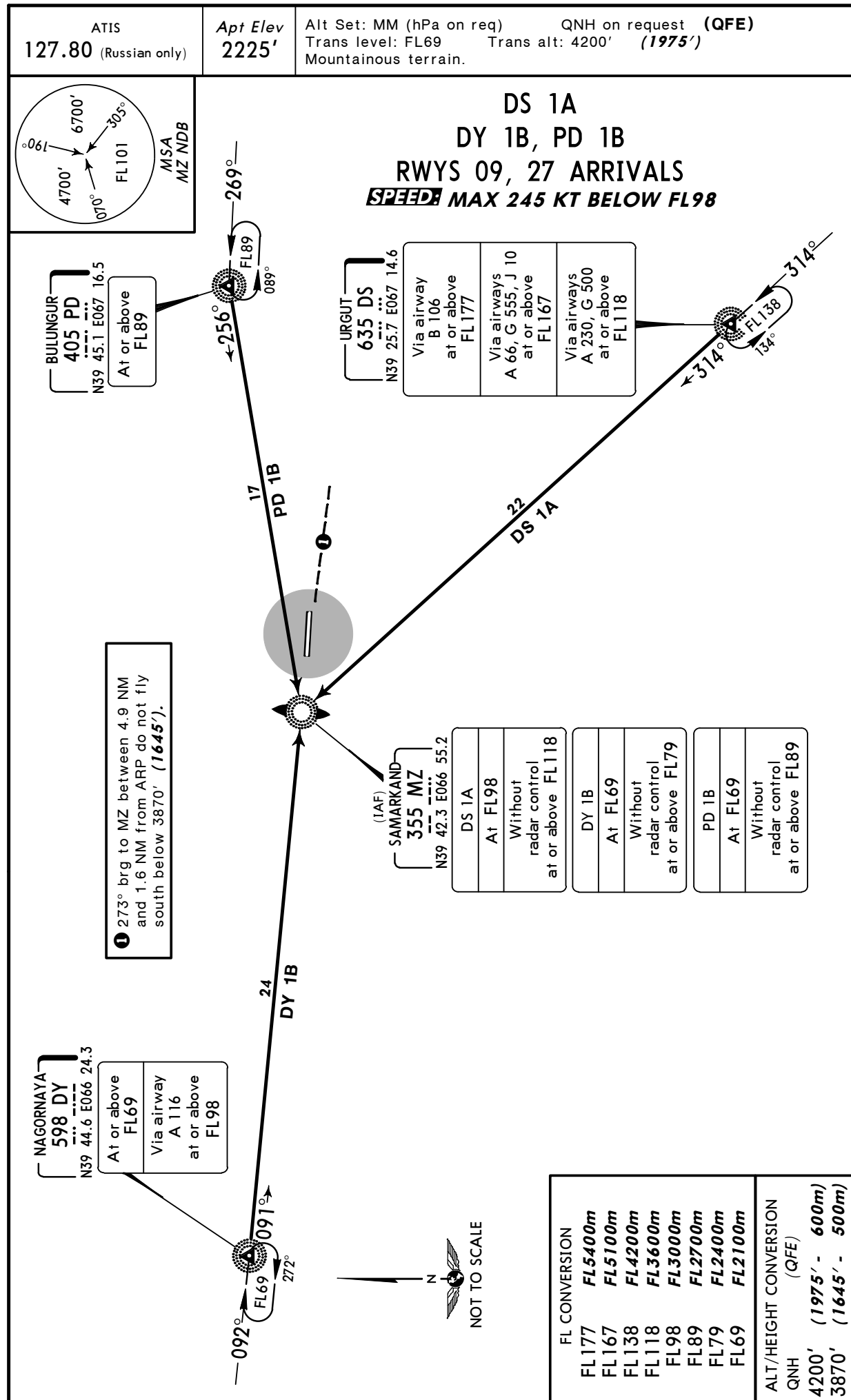
26 MAR 10

10-2

Eff 8 Apr

SAMARKAND, UZBEKISTAN

STAR



UTSS/SKD
SAMARKAND

26 MAR 10

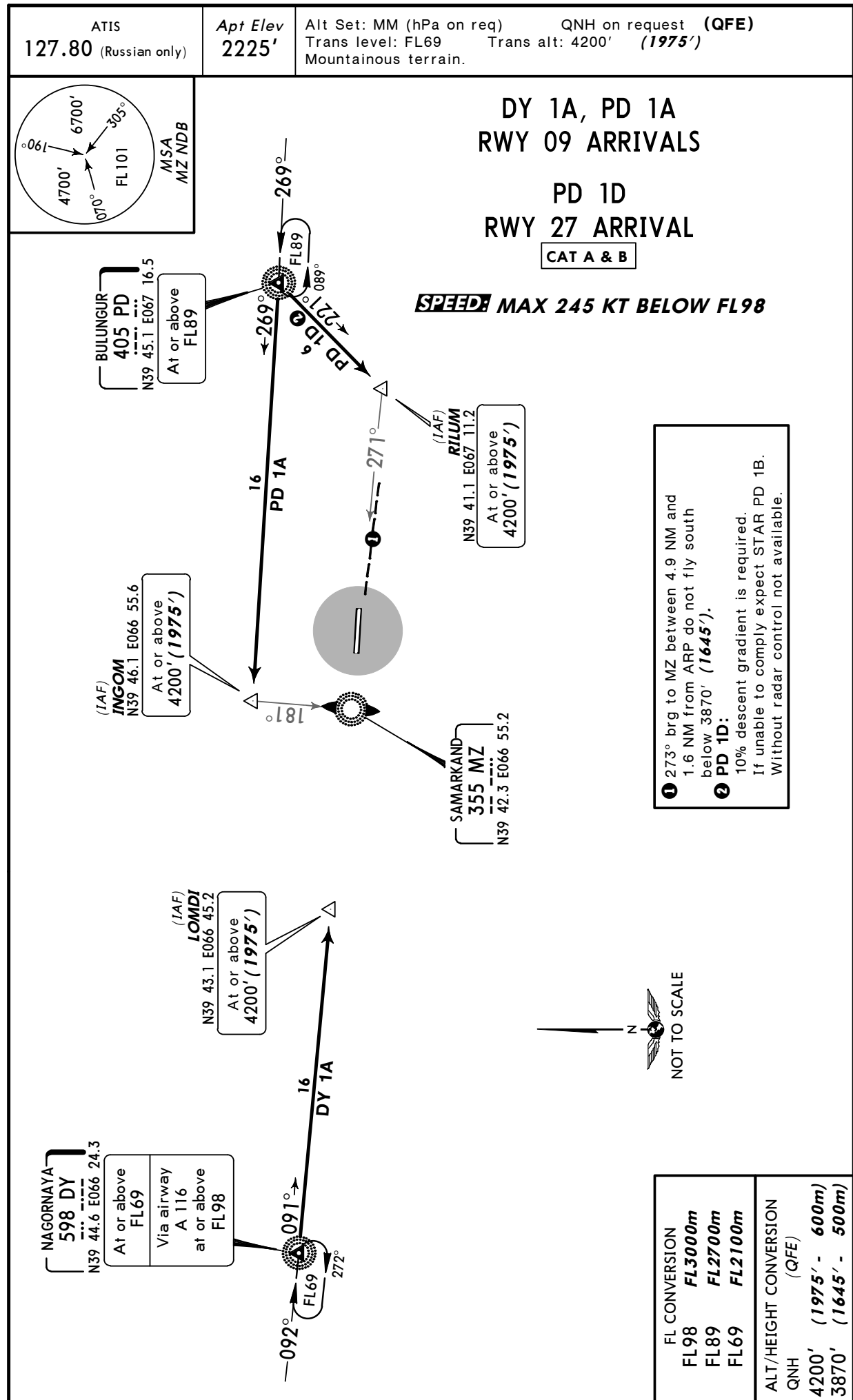
JEPPesen

SAMARKAND, UZBEKISTAN

10-2A

Eff 8 Apr

STAR



CHANGES: Crossings & MHA revised; STAR PD 1D availability.

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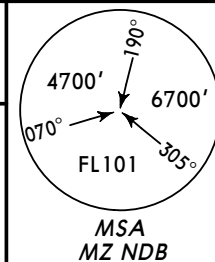
UTSS/SKD
 SAMARKAND

JEPPESSEN SAMARKAND, UZBEKISTAN
 26 MAR 10 **10-3** Eff 8 Apr

SID

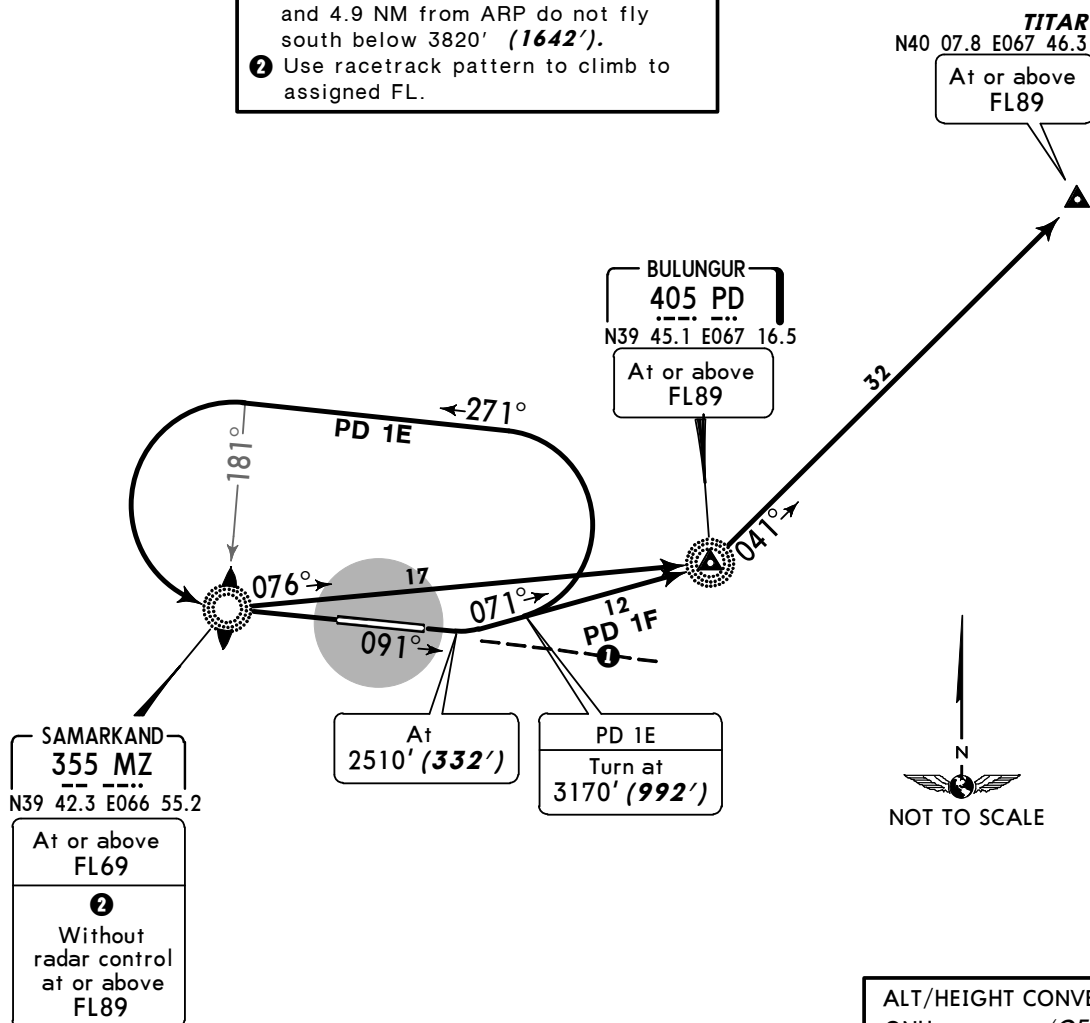
Apt Elev
 2225'

QNH on request (QFE)
 Trans level: FL69 Trans alt: 4200' (2022')
 Mountainous terrain.



**BULUNGUR ONE ECHO (PD 1E)
 BULUNGUR ONE FOXTROT (PD 1F)
 RWY 09 DEPARTURES
 TO EAST
 SPEED MAX 245 KT BELOW FL98**

- ① 093° brg from MZ between 1.6 NM and 4.9 NM from ARP do not fly south below 3820' (1642').
- ② Use racetrack pattern to climb to assigned FL.



NOT TO SCALE

PD 1F

This SID requires a minimum climb gradient of 504' per NM (8.3%).

Gnd speed-KT	75	100	150	200	250	300
504' per NM	630	841	1261	1681	2101	2522

If unable to comply expect SID PD 1E.

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2510'	(332' - 100m)
3170'	(992' - 300m)
3820'	(1642' - 500m)
4200'	(2022' - 600m)

FL CONVERSION	
FL69	FL2100m
FL89	FL2700m
FL98	FL3000m

INITIAL CLIMB

Climb on 091° track to 2510' (332'), turn LEFT.

SID	ROUTING
PD 1E	071° track, at 3170' (992') turn LEFT, 271° track, climbing to assigned FL, when passing 181° bearing to MZ turn LEFT to MZ, turn LEFT, 076° bearing to PD.
PD 1F	Intercept 071° bearing to PD, climbing to assigned FL.

UTSS/SKD
 SAMARKAND

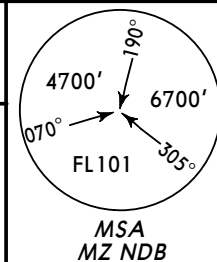
JEPPESSEN
 26 MAR 10 **(10-3A)** **Eff 8 Apr**

SAMARKAND, UZBEKISTAN

SID

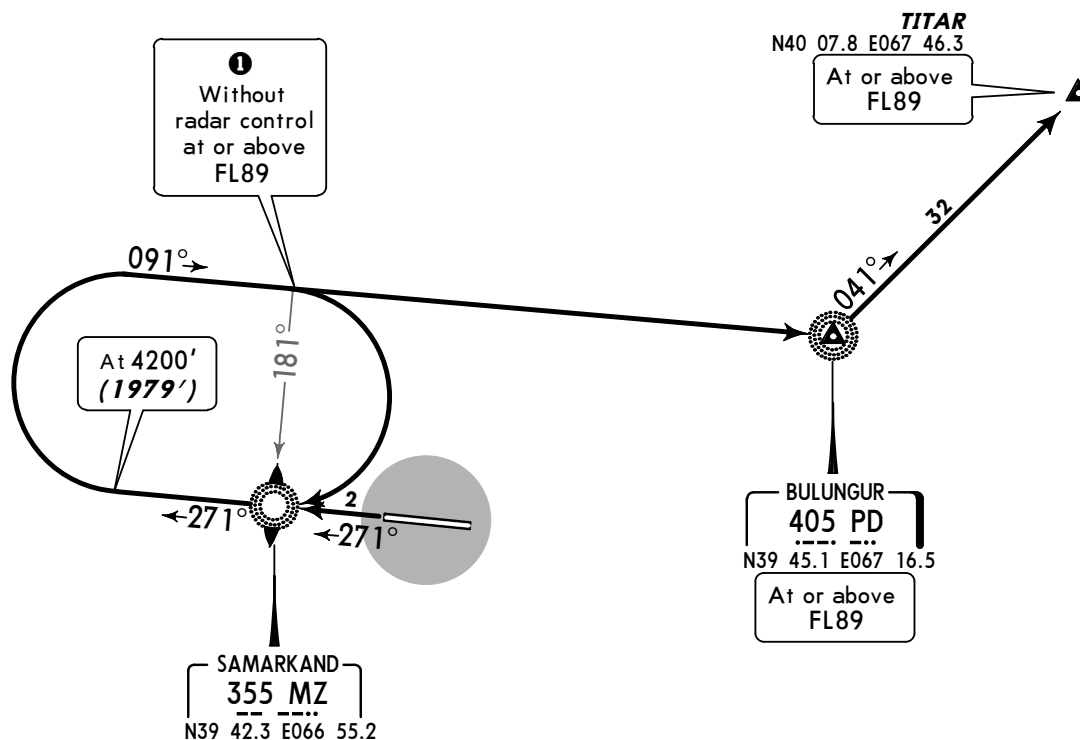
Apt Elev
 2225'

QNH on request **(QFE)**
 Trans level: FL69 Trans alt: 4200' **(1979')**
 Mountainous terrain.



BULUNGUR ONE GOLF (PD 1G)
RWY 27 DEPARTURE
 TO EAST
~~SPEED~~ MAX 245 KT BELOW FL98

1 Use racetrack pattern
 to climb to assigned FL.



ALT/HEIGHT CONVERSION	
QNH	(QFE)
4200'	(1979' - 600m)
FL CONVERSION	
FL69	FL2100m
FL89	FL2700m
FL98	FL3000m

INITIAL CLIMB/ROUTING

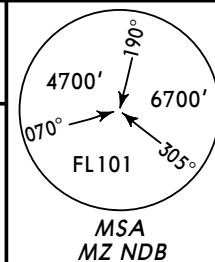
Climb on 271° track to 4200' **(1979')**, turn RIGHT, intercept 091° bearing to PD, climbing to assigned FL.

UTSS/SKD
SAMARKAND

JEPPESEN SAMARKAND, UZBEKISTAN
26 MAR 10 (10-3B) Eff 8 Apr

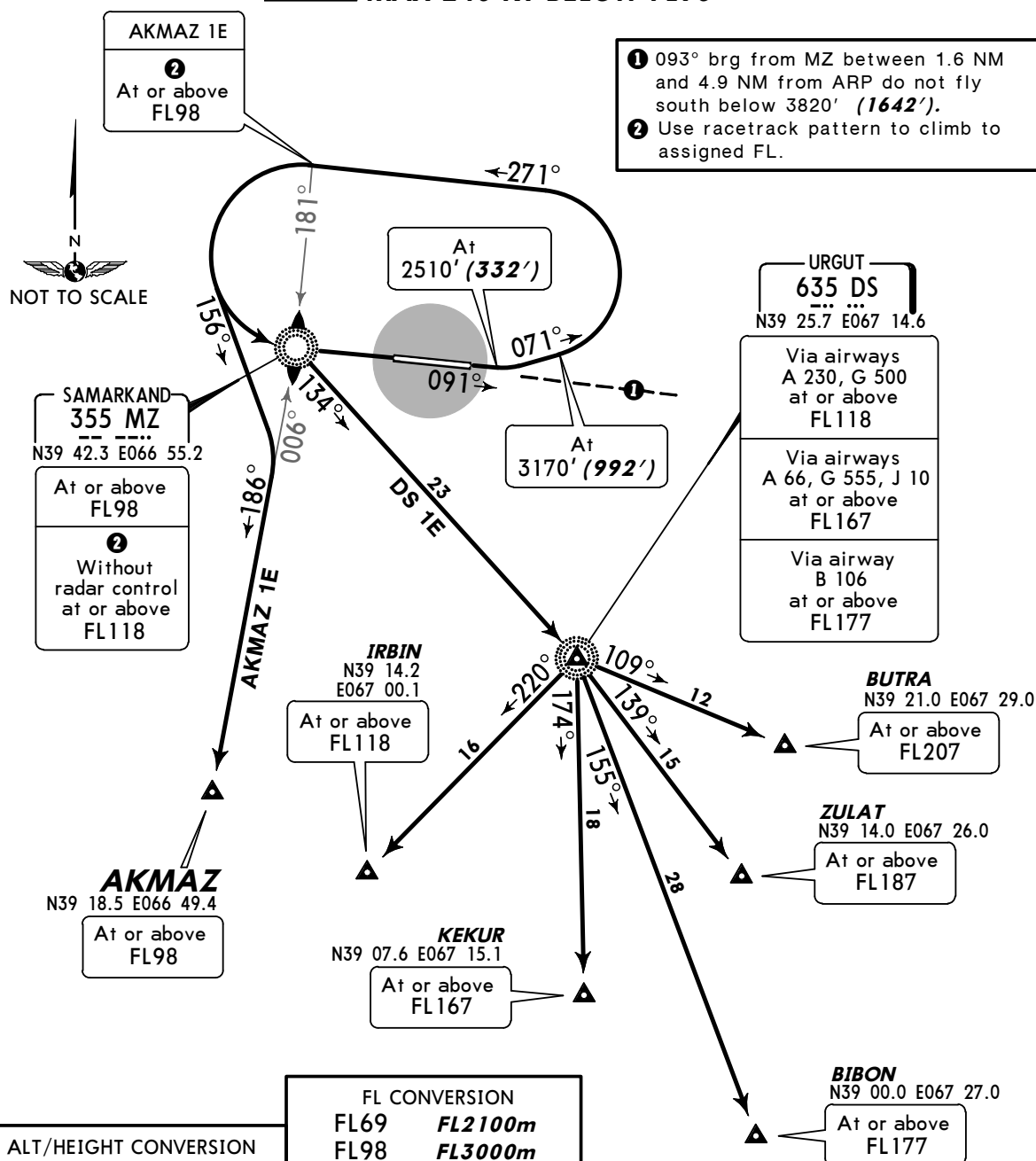
SID

Apt Elev 2225'
QNH on request (QFE)
Trans level: FL69 Trans alt: 4200' (2022')
Mountainous terrain.



**AKMAZ ONE ECHO (AKMAZ 1E) [AKMA1E]
URGUT ONE ECHO (DS 1E)
RWY 09 DEPARTURES
TO SOUTH**

~~SPEED~~ MAX 245 KT BELOW FL98



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2510'	(332' - 100m)
3170'	(992' - 300m)
3820'	(1642' - 500m)
4200'	(2022' - 600m)

FL CONVERSION	
FL69	FL2100m
FL98	FL3000m
FL118	FL3600m
FL167	FL5100m
FL177	FL5400m
FL187	FL5700m
FL207	FL6300m

INITIAL CLIMB

Climb on 091° track to 2510' (332'), turn LEFT, 071° track, at 3170' (992') turn LEFT, 271° track, climbing to assigned FL.

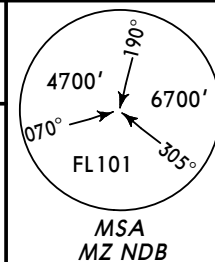
SID	ROUTING
AKMAZ 1E	When passing 181° bearing to MZ turn LEFT, 156° track, turn RIGHT, intercept 186° bearing from MZ to AKMAZ.
DS 1E	When passing 181° bearing to MZ turn LEFT to MZ, turn RIGHT, 134° bearing to DS.

UTSS/SKD
SAMARKAND

JEPPESSEN **SAMARKAND, UZBEKISTAN**
26 MAR 10 **10-3C** **Eff 8 Apr**

SID

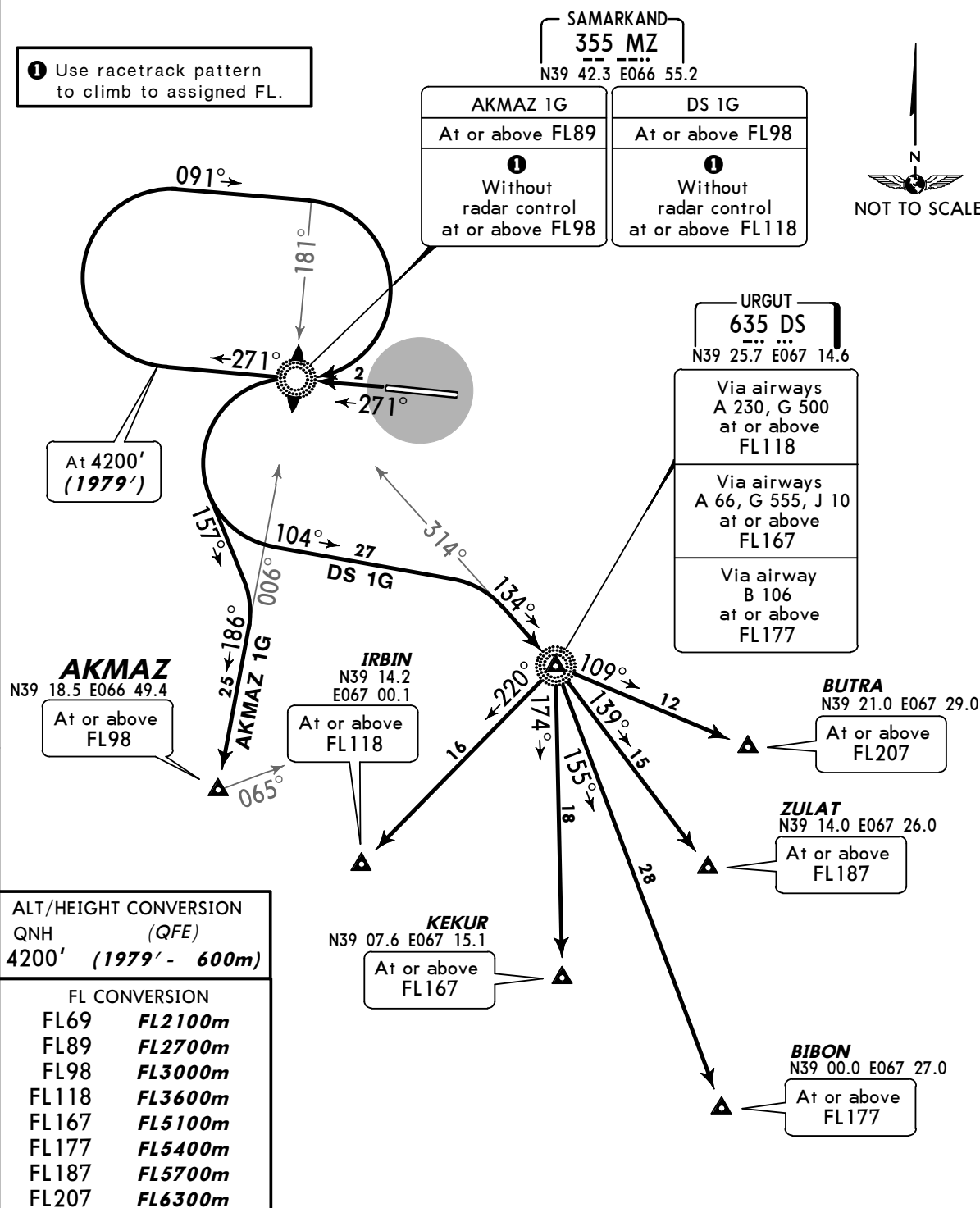
Apt Elev **2225'** **QNH on request (QFE)**
Trans level: FL69 Trans alt: 4200' (1979')
Mountainous terrain.



AKMAZ ONE GOLF (AKMAZ 1G) [AKMA1G]
URGUT ONE GOLF (DS 1G)
RWY 27 DEPARTURES
TO SOUTH

~~SPEED~~ MAX 245 KT BELOW FL98

1 Use racetrack pattern to climb to assigned FL.



INITIAL CLIMB

Climb on 271° track to 4200' (1979'), turn RIGHT, 091° track, climbing to assigned FL, when passing 181° bearing to MZ turn RIGHT to MZ, turn LEFT.

SID	ROUTING
AKMAZ 1G	157° track, turn RIGHT, intercept 186° bearing from MZ to AKMAZ.
DS 1G	104° track, turn RIGHT, intercept 134° bearing from MZ to DS.

UTSS/SKD
SAMARKAND

JEPPesen 26 MAR 10 **10-3D** Eff 8 Apr

SAMARKAND, UZBEKISTAN

SID

Apt Elev
2225'

QNH on request **(QFE)**
Mountainous terrain.

Trans level: FL69

Trans alt: 4200'

(2022')

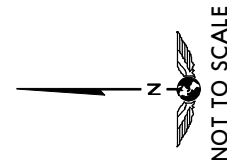
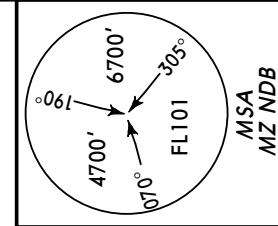
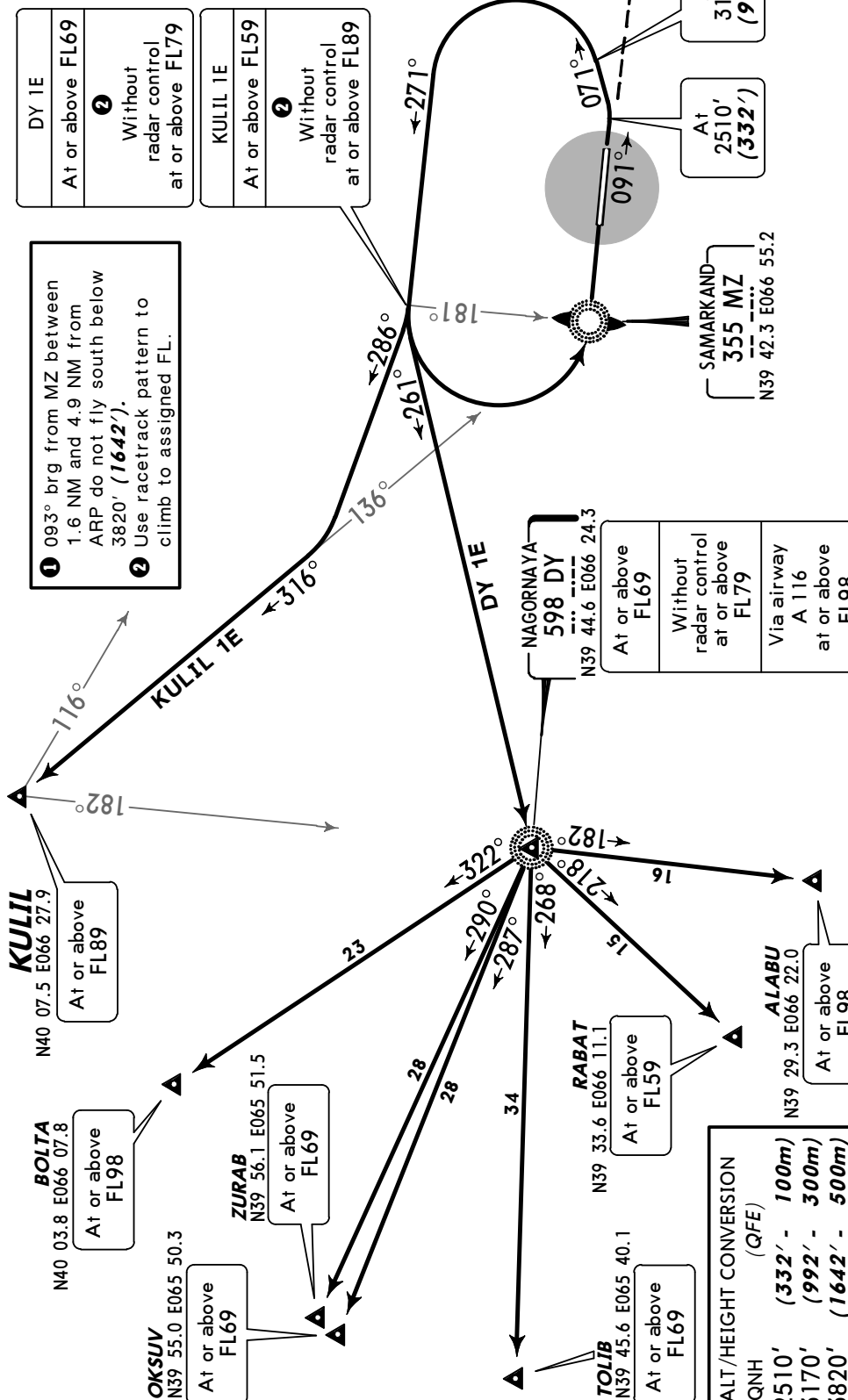
KULIL ONE ECHO (KULIL 1E) [KULI1E]

NAGORNAYA ONE ECHO (DY 1E)

RWY 09 DEPARTURES

TO WEST

SPEED MAX 245 KT
BELOW FL98



UTSS/SKD SAMARKAND

26 MAR 10

10-3E

Eff 8 Apr

SAMARKAND, UZBEKISTAN

SID

Apt Elev
2225'

QNH on request (QFE)
Mountainous terrain.

Trans level: FL69

Trans alt: 4200'

(1979')

KULIL ONE GOLF (KULIL 1G) [KULI1G]

NAGORNAYA ONE GOLF (DY 1G)

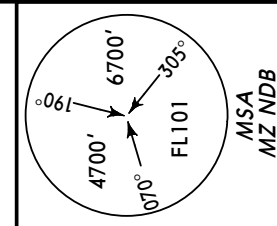
RWY 27 DEPARTURES

TO WEST

SPEEDS: MAX 245 KT BELOW FL98



BULUNGUR
405 PD
N39 45.1 E067 16.5



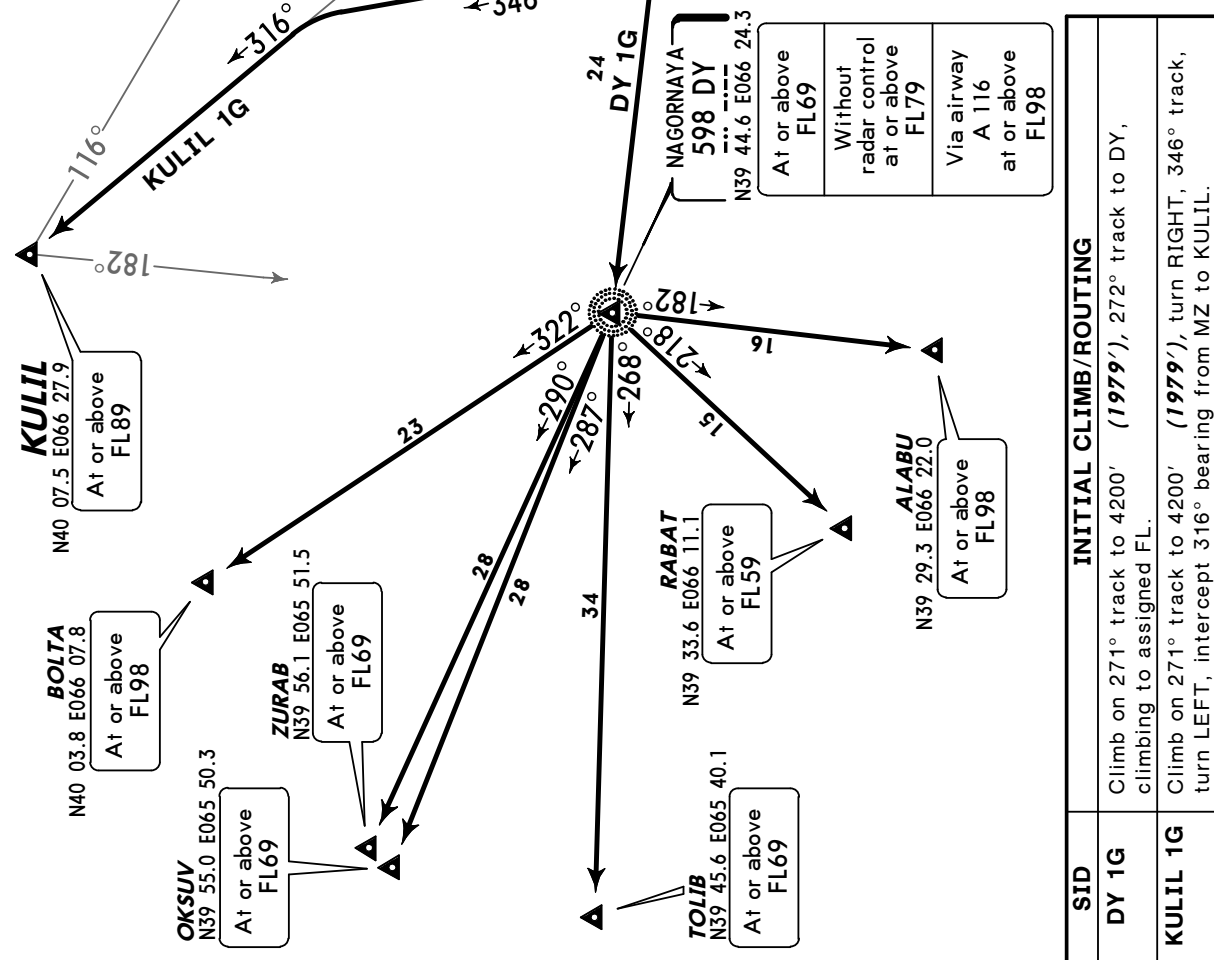
ALT/HEIGHT CONVERSION QNH (QFE)	FL CONVERSION
4200' (1979' - 600m)	FL59 FL1800m
	FL69 FL2100m
	FL79 FL2400m
	FL89 FL2700m
	FL98 FL3000m

① Use racetrack pattern to climb to assigned FL.



SAMARKAND
355 MZ
N39 42.3 E066 55.2

KULIL 1G	① Without radar control at or above FL89
DY 1G	① Without radar control at or above FL79



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Apt Elev **2225'**
N39 42.0 E066 59.0



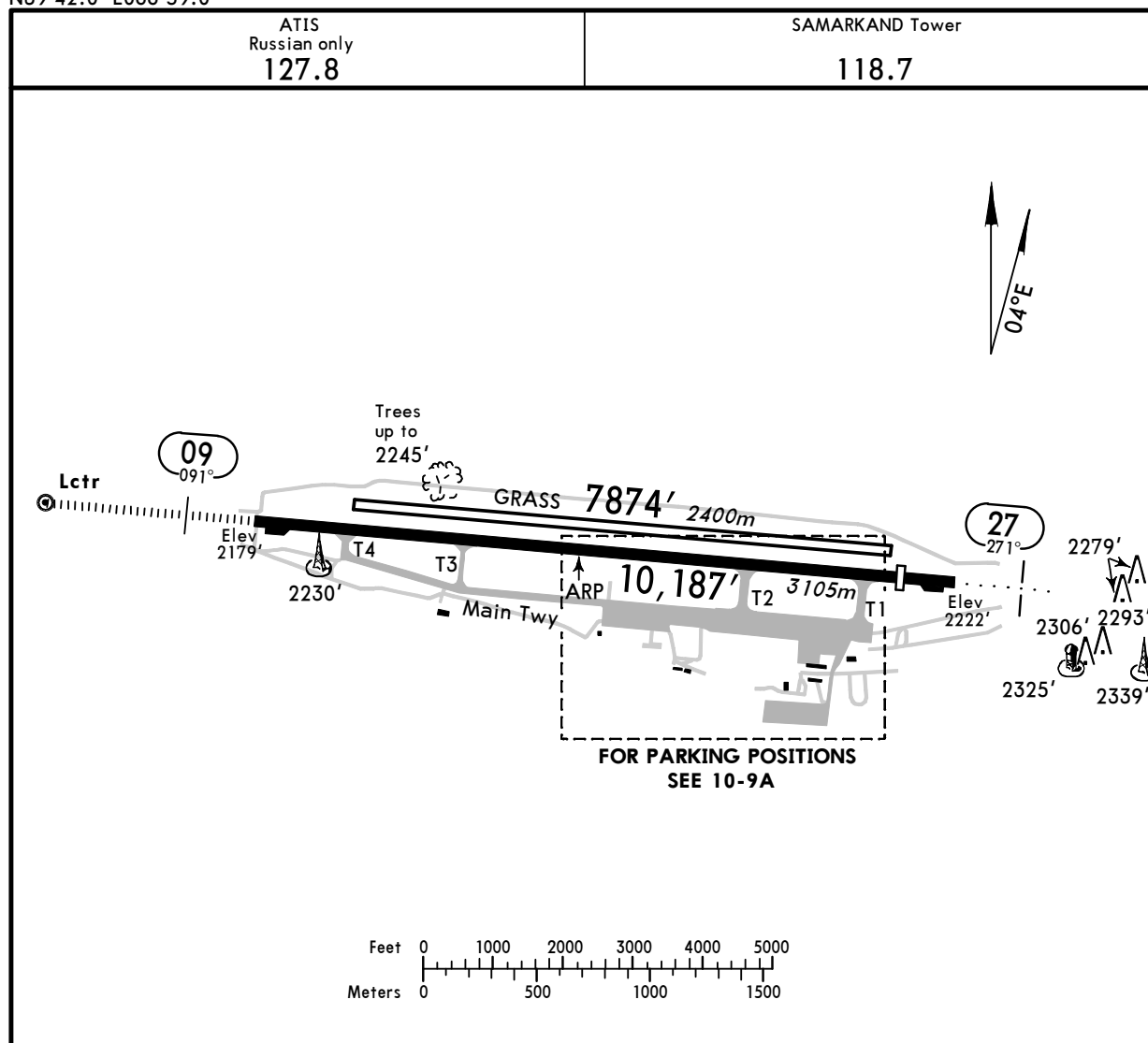
JEPPESSEN SAMARKAND, UZBEKISTAN

23 APR 10

10-9

Eff 6 May

SAMARKAND



ADDITIONAL RUNWAY INFORMATION

ADDITIONAL RUNWAY INFORMATION					USABLE LENGTHS		TAKE-OFF	WIDTH
					LANDING BEYOND			
RWY					Threshold	Glide Slope		
09	HIRL (60m)	HIALS	PAPI-L	RVR		7874' 2400m	1	161'
27	HIRL (60m)	MIALS	PAPI-L	RVR	9400' 2865m	8489' 2587m		49m
09	Grass runway							197'
27								60m

1 TAKE-OFF RUN AVAILABLE

RWY 09:

From rwy head 10,187' (3105m)
twy T4 int 9023' (2750m)
twy T3 int 7218' (2200m)

RWY 27:

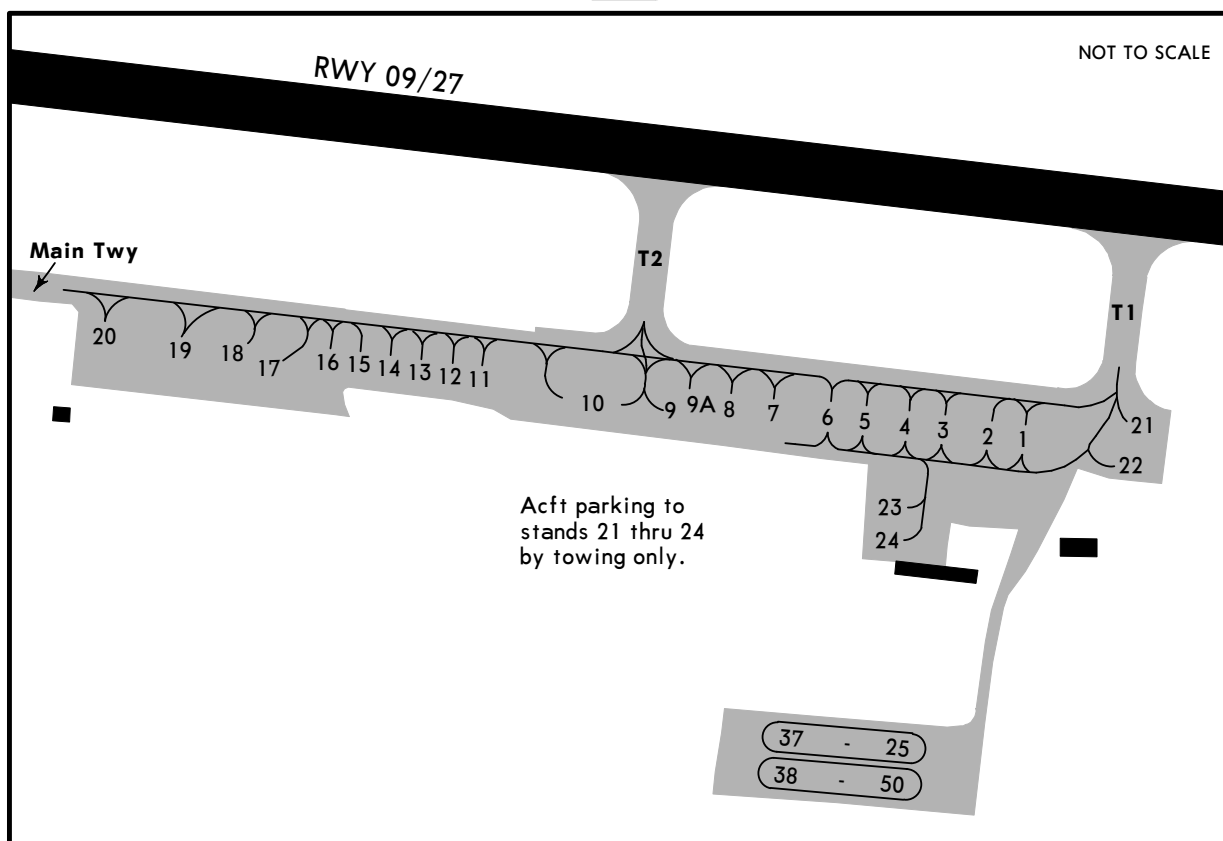
From rwy head 10,187' (3105m)
twy T1 int 9023' (2750m)
twy T2 int 7218' (2200m)

TAKE-OFF

AIR CARRIER (JAA)			
Main rwy 09		Main rwy 27	
RCLM (DAY only) or RL		LVP must be in force	
		DAY RCLM or RL	NIGHT RL
A	ceil 220m - 1700m	300m	300m
			400m
B			
C			
D	ceil 240m - 1800m		

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JEPPESEN SAMARKAND, UZBEKISTAN
 23 APR 10 **(10-9A)** **Eff 6 May** **SAMARKAND**



INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
1	N39 41.8 E066 59.8	10	N39 41.8 E066 59.5
2 thru 4	N39 41.8 E066 59.7	11 thru 14	N39 41.9 E066 59.3
5 thru 7	N39 41.8 E066 59.6	15 thru 17	N39 41.9 E066 59.2
8, 9	N39 41.8 E066 59.5	18, 19	N39 41.9 E066 59.1
9A	N39 41.8 E066 59.6	20	N39 41.9 E066 59.0

UTSS/SKD


Standard
SAMARKAND, UZBEKISTAN
SAMARKAND

STRAIGHT-IN RWY		A	B	C	D
09	ILS	2379' (200')	2379' (200')	2393' (214')	2393' (214')
		800m	800m	800m	800m
	ALS out	1200m	1200m	1200m	1200m
	LOC	NOT AUTHORIZED			
	2 NDB ①	2560' (381')	2560' (381')	2560' (381')	2560' (381')
		1700m	1700m	1800m	1800m
	NDB ①	2840' (661')	2840' (661')	3170' (991')	3170' (991')
		2500m	2500m	5000m	5000m
	ALS out	3100m	3100m	5000m	5000m
27	ILS	3042' (820')	3042' (820')	3042' (820')	3042' (820')
		3500m	3500m	3500m	3500m
	LOC	NOT AUTHORIZED			
	NDB ①③	3110' (888')	3110' (888')	NOT APPLICABLE	
		ceil 700m - 5000m	ceil 700m - 5000m		

① Continuous Descent Final Approach

② W/o Radar: DA(H) 3000'(821'), 3100m, ALS out 3800m.

③ DAYTIME only.

CIRCLE-TO-LAND	A	B	C	D
	NOT AUTHORIZED			

TAKE-OFF RWY 09

	RCLM (DAY only) or RL	NIL (DAY only)
A	ceil 220m - 1700m	
B		
C	ceil 240m - 1800m	
D		

TAKE-OFF RWY 27

		LVP must be in Force		RCLM (DAY only) or RL	NIL (DAY only)
		DAY RCLM or RL	NIGHT RL		
A	300m	300m		400m	500m
B					
C					
D		400m			

UTSS/SKD


JAA MINIMUMS
SAMARKAND, UZBEKISTAN
SAMARKAND

STRAIGHT-IN RWY		A	B	C	D
09	ILS	2379' (200')	2379' (200')	2393' (214')	2393' (214')
		800m	800m	800m	800m
	<i>ALS out</i>	1000m	1000m	1000m	1000m
	LOC	NOT AUTHORIZED			
	2 NDB	2560' (381')	2560' (381')	2560' (381')	2560' (381')
27		1700m	1700m	1700m	1700m
	<i>ALS out</i>	1700m	1700m	1800m	2000m
	NDB	2840' (661') ①	2840' (661') ①	3170' (991')	3170' (991')
		2500m	2500m	5000m	5000m
	ILS	3042' (820')	3042' (820')	3042' (820')	3042' (820')
		3500m	3500m	3500m	3500m
	LOC	NOT AUTHORIZED			
	NDB ②	3110' (888')	3110' (888')	NOT APPLICABLE	
		ceil 700m - 5000m	ceil 700m - 5000m		

① W/o Radar: 3000' (821'), 3000m.

② DAYTIME only.

CIRCLE-TO-LAND	A	B	C	D
	NOT AUTHORIZED			

TAKE-OFF RWY 09, 27

Rwy 09		Rwy 27			
RCLM (DAY only) or RL	NIL (DAY only)	LVP must be in Force		RCLM (DAY only) or RL	NIL (DAY only)
		DAY RCLM or RL	NIGHT RL		
A	ceil 220m - 1700m	300m	300m	400m	500m
B			400m		
C	ceil 240m - 1800m				
D					

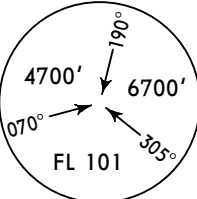
UTSS/SKD
SAMARKAND26 MAR 10
Eff 8 Apr

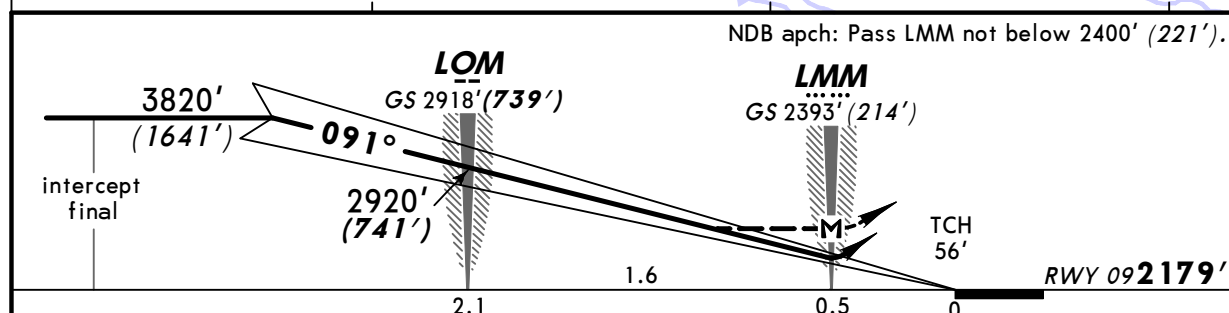
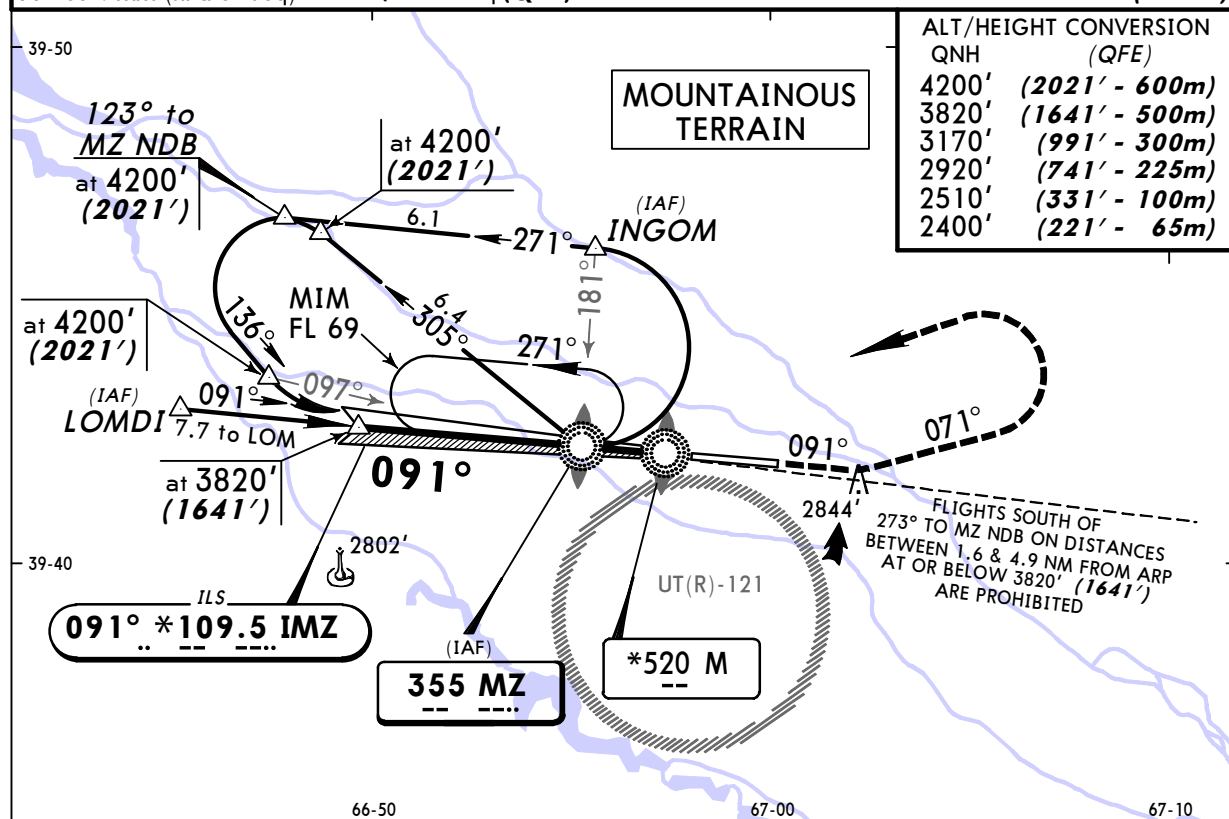
11-1

CAT C & D

JEPPESEN SAMARKAND, UZBEKISTAN
ILS or 2 NDB Rwy 09

BRIEFING STRIP™

ATIS 127.8 Russian only		SAMARKAND Approach 120.8		SAMARKAND Tower 118.7	
LOC IMZ *109.5	Final Apch Crs 091°	GS LOM 2918'(739')	ILS DA(H) 2393'(214')	Apt Elev 2225' RWY 2179'	
NDB MZ 355		Minimum Alt LOM 2920'(741')	2 NDB MDA(H) 2560'(381')		
MISSED APCH: Climb on 091° to 2510' (331'), then turn LEFT onto 071° climbing to 3170' (991'), then turn LEFT to MZ NDB climbing to 4200' (2021'), then according to chart, or as directed.					
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 69	
				Trans alt: 4200' (2021')	



Gnd speed-Kts	70	90	100	120	140	160	HIALS	2510' (331') on 091°	071°	3170' (991')
ILS GS or NDB Desc angle 3.00°	377	484	538	646	753	861	PAPI		LT	
MAP at LMM										

ILS		LOC (GS out)	2 NDB	NDB	CIRCLE-TO-LAND	
DA(H) 2393'(214')			MDA(H) 2560'(381')	MDA(H) 3170'(991')		
FULL	ALS out		ALS out	ALS out		
A	see 11-2		see 11-2		A	NOT AUTH
B					B	
C					C	
D	800m	1200m	1700m	5000m	D	

PANS OPS

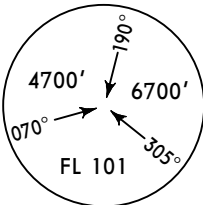
UTSS/SKD
SAMARKAND26 MAR 10
Eff 8 Apr

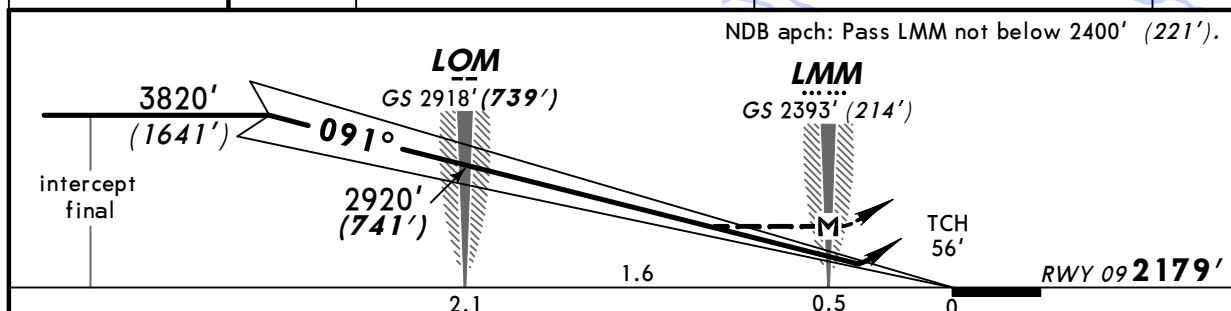
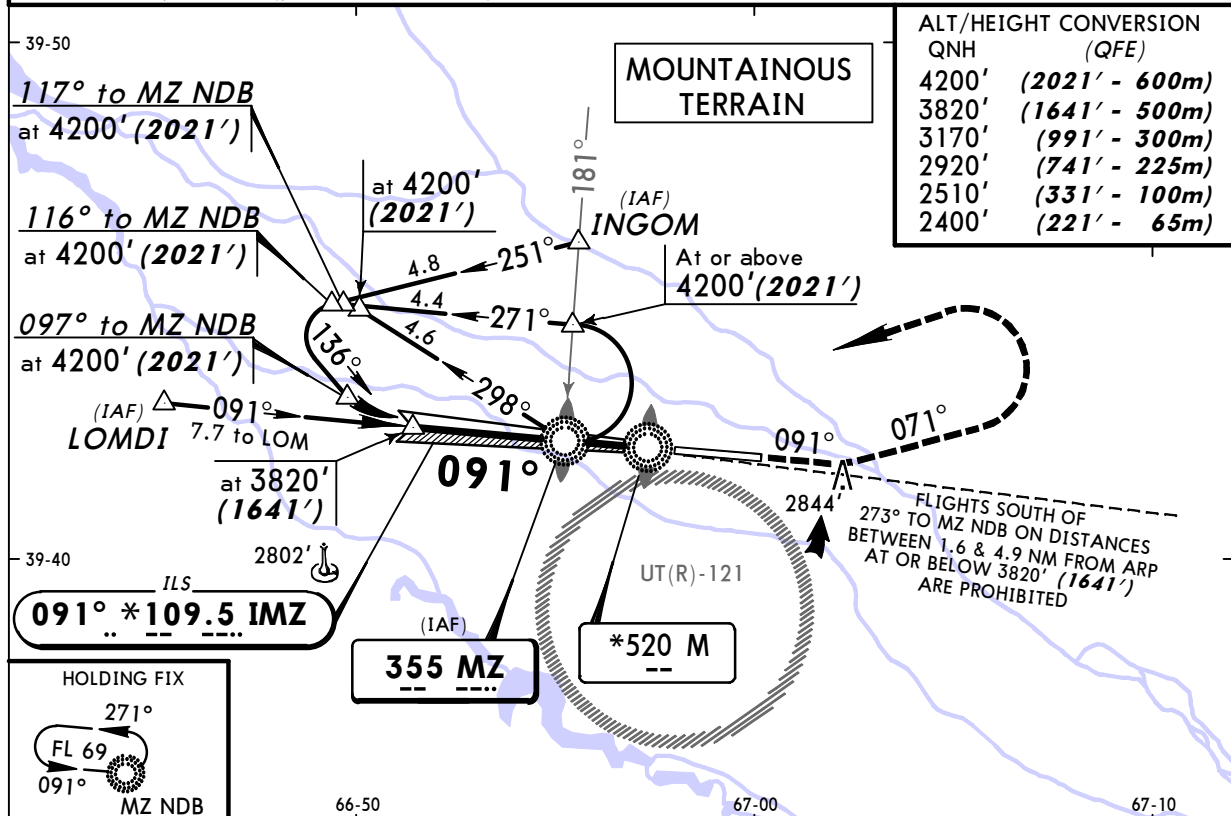
(11-2)

CAT A & B

JEPPesen SAMARKAND, UZBEKISTAN
ILS or 2 NDB Rwy 09

BRIEFING STRIP

ATIS 127.8 Russian only		SAMARKAND Approach 120.8		SAMARKAND Tower 118.7	
LOC IMZ *109.5	Final Apch Crs 091°	GS LOM 2918'(739')	ILS DA(H) 2379'(200')	Apt Elev 2225' RWY 2179'	
NDB MZ 355		Minimum Alt LOM 2920'(741')	2 NDB MDA(H) 2560'(381')		
MISSED APCH: Climb on 091° to 2510' (331'), then turn LEFT onto 071° climbing to 3170' (991'), then turn LEFT to MZ NDB climbing to 4200'(2021'), then according to chart, or as directed.					
Alt Set: MM (hPa on req)		QNH on req (QFE)	Trans level: FL 69	Trans alt: 4200' (2021')	
MSA MZ NDB					



Gnd speed-Kts		70	90	100	120	140	160	HIALS PAPI	2510' (331') on	091°	071° LT	3170' (991')
ILS GS or		377	484	538	646	753	861					
NDB Desc angle		3.00°										
MAP at LMM												
STRAIGHT-IN LANDING RWY 09												CIRCLE-TO-LAND
ILS			LOC (GS out)		2 NDB			NDB with Radar I				
DA(H) 2379'(200')					MDA(H) 2560'(381')			MDA(H) 2840'(661')				
FULL		ALS out				ALS out				ALS out		
A	800m		1200m		NOT AUTH		1700m		2500m		A	NOT AUTH
B											B	
C	see 11-1						see 11-1		see 11-1		C	
D			D									
I W/o Radar: MDA(H) 3000'(821'), 3000m.												

UTSS/SKD
SAMARKAND

23 APR 10

(11-3)

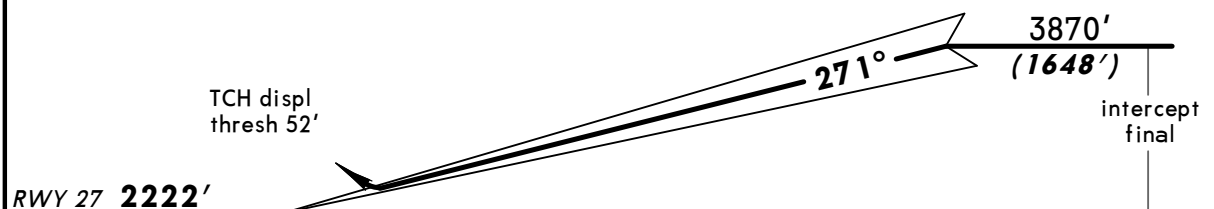
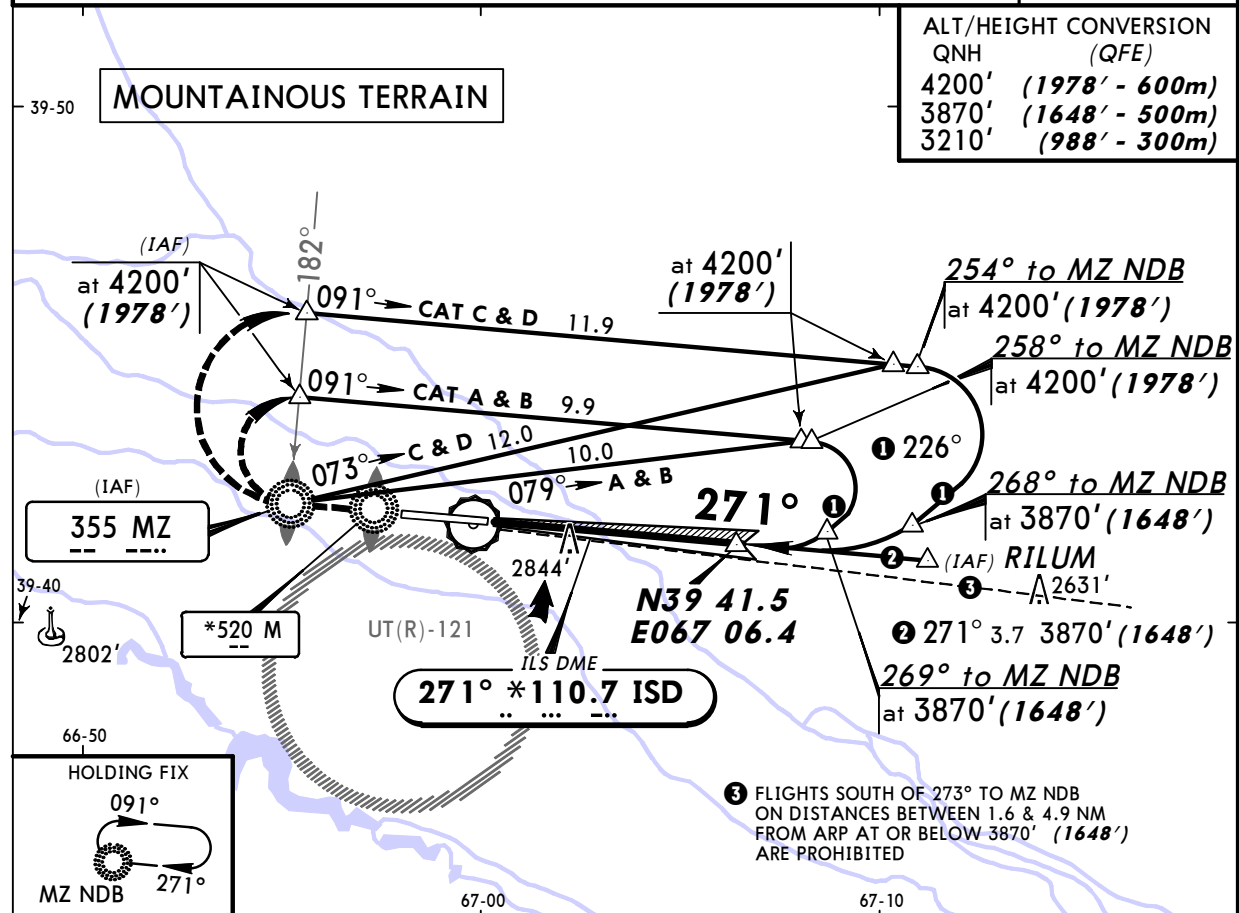
Eff 6 May

JEPPESEN SAMARKAND, UZBEKISTAN
 23 APR 10 **(11-3)** **Eff 6 May** ILS DME Rwy 27

ILS' DME Rwy 27

ATIS Russian only 127.8		SAMARKAND Approach 120.8		SAMARKAND Tower 118.7	
LOC ISD *110.7	Final Apch Crs 271°	GS No alt published	ILS DA(H) 3042' (820')	Apt Elev 2225' RWY 2222'	
MISSED APCH: Climb on 271° to 3210' (988'), then turn RIGHT onto 091° climbing to 4200' (1978'), then according to chart, or as directed.					
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 69 Trans alt: 4200' (1978') 1. DME required. 2. ILS DME reads zero at rwy 27 displ threshold.					

ALT/HEIGHT CONVERSION	
QNH	(QFE)
4200'	(1978' - 600m)
3870'	(1648' - 500m)
3210'	(988' - 300m)



<i>Gnd speed-Kts</i>	70	90	100	120	140	160	MIALS  PAPI:  : 3210' (988') on 271° 091°  RT 4200' (1978')
GS 3.00°	377	484	538	646	753	861	

STRAIGHT-IN LANDING RWY 27				CIRCLE-TO-LAND		
ILS <i>DA(H)</i> 3042' (820')		LOC (GS out)				
FULL		ALS out				
A	3500m		NOT AUTHORIZED		A	NOT AUTHORIZED
B					B	
C					C	
D					D	

CHANGES: None.

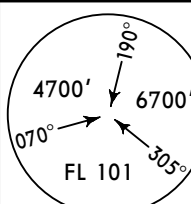
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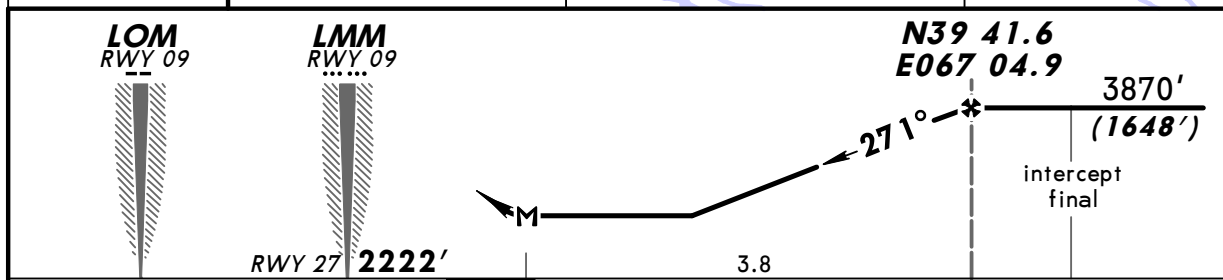
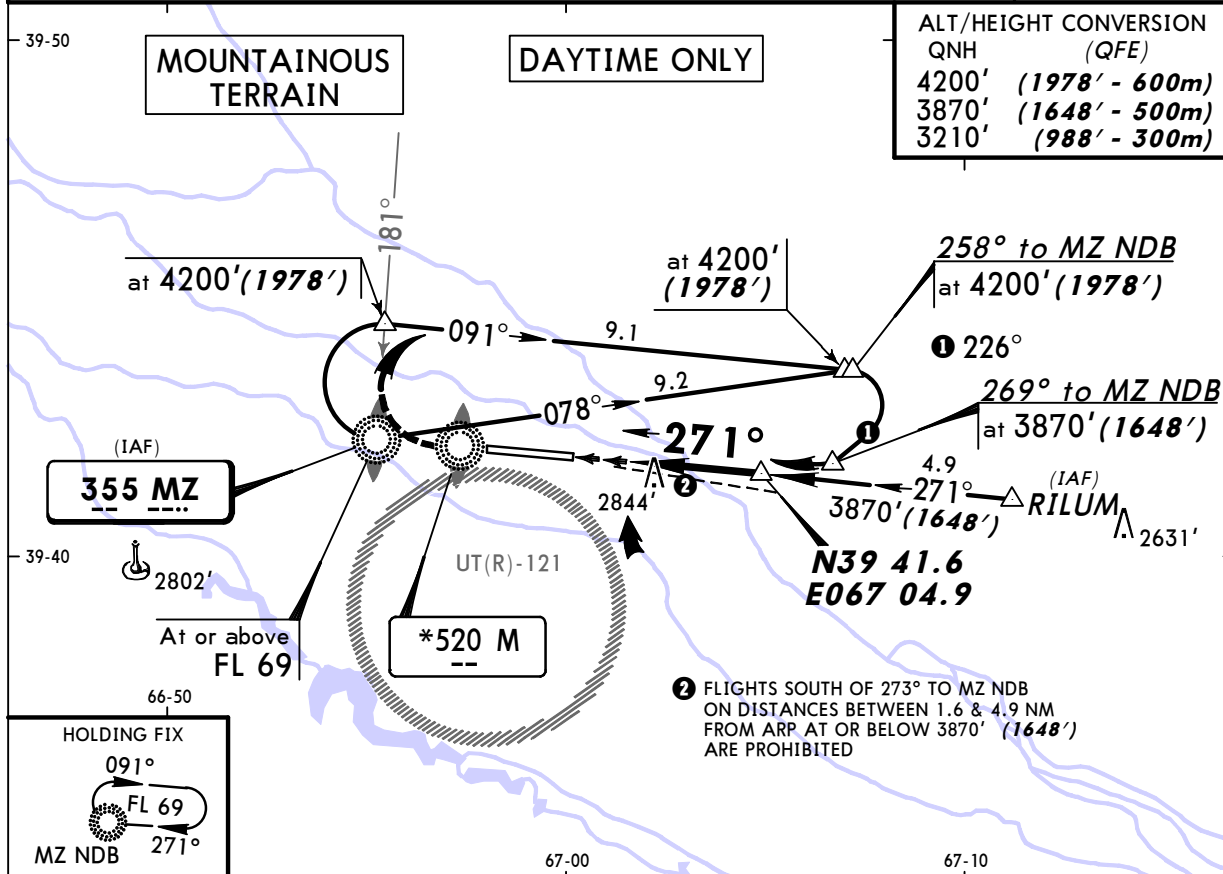
UTSS/SKD SAMARKAND

23 APR 10
Eff 6 May (16-1) CAT A & B

SAMARKAND, UZBEKISTAN NDB Rwy 27

BRIEFING STRIP

ATIS Russian only 127.8		SAMARKAND Approach 120.8		SAMARKAND Tower 118.7	
NDB MZ 355	Final Apch Crs 271°	Minimum Alt N39 41.6 E067 04.9 3870' (1648')	MDA(H) 3110' (888')	Apt Elev 2225' RWY 2222'	
MISSED APCH: Climb on 271° to 3210' (988'), then turn RIGHT onto 091° climbing to 4200' (1978'), then according to chart, or as directed.					MSA MZ NDB
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 69 Trans alt: 4200' (1978') 1. RADAR is mandatory. 2. Landing with tailwind component is PROHIBITED.					



Gnd speed-Kts	70	90	100	120	140	160	MIALS	3210' (988') on 271°	091° RT	4200' (1978')
Descent angle	4.00°	496	637	708	850	991	PAPI			
FAF to MAP	3.8	3:15	2:32	2:17	1:54	1:38	1:26			

STRAIGHT-IN LANDING RWY 27					CEILING REQUIRED					CIRCLE-TO-LAND				
MDA(H) 3110' (888')					ALS out									
A	700m - 5000m					A								
B						B								
C	NOT APPLICABLE					C	NOT AUTHORIZED							
D						D								

PANS OPS