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Trip Kit Index

Airport Information For UACC

Terminal Charts For UACC

Revision Letter For Cycle 08-2012

Change Notices

Notebook

General Information

Location: Astana Kaz
IATA Code: TSE
Lat/Long: N51° 01.3' E071° 28.0'
Elevation: 1165 ft

Airport Use: Public
Magnetic Variation: 9.5°E

Fuel Types: Jet A-1
Repair Types: Minor Airframe, Minor Engine
Customs: Yes
Airport Type: IFR
Landing Fee: Yes
Control Tower: Yes
Jet Start Unit: No
LLWS Alert: No
Beacon: No

Sunrise: 0010 Z
Sunset: 1416 Z,

Runway Information

Runway: 04
Length x Width: 11483 ft x 148 ft
Surface Type: asphalt
TDZ-Elev: 1165 ft
Lighting: Edge, ALS, Centerline, TDZ

Runway: 22
Length x Width: 11483 ft x 148 ft
Surface Type: asphalt
TDZ-Elev: 1158 ft
Lighting: Edge, ALS, Centerline, TDZ

Communication Information

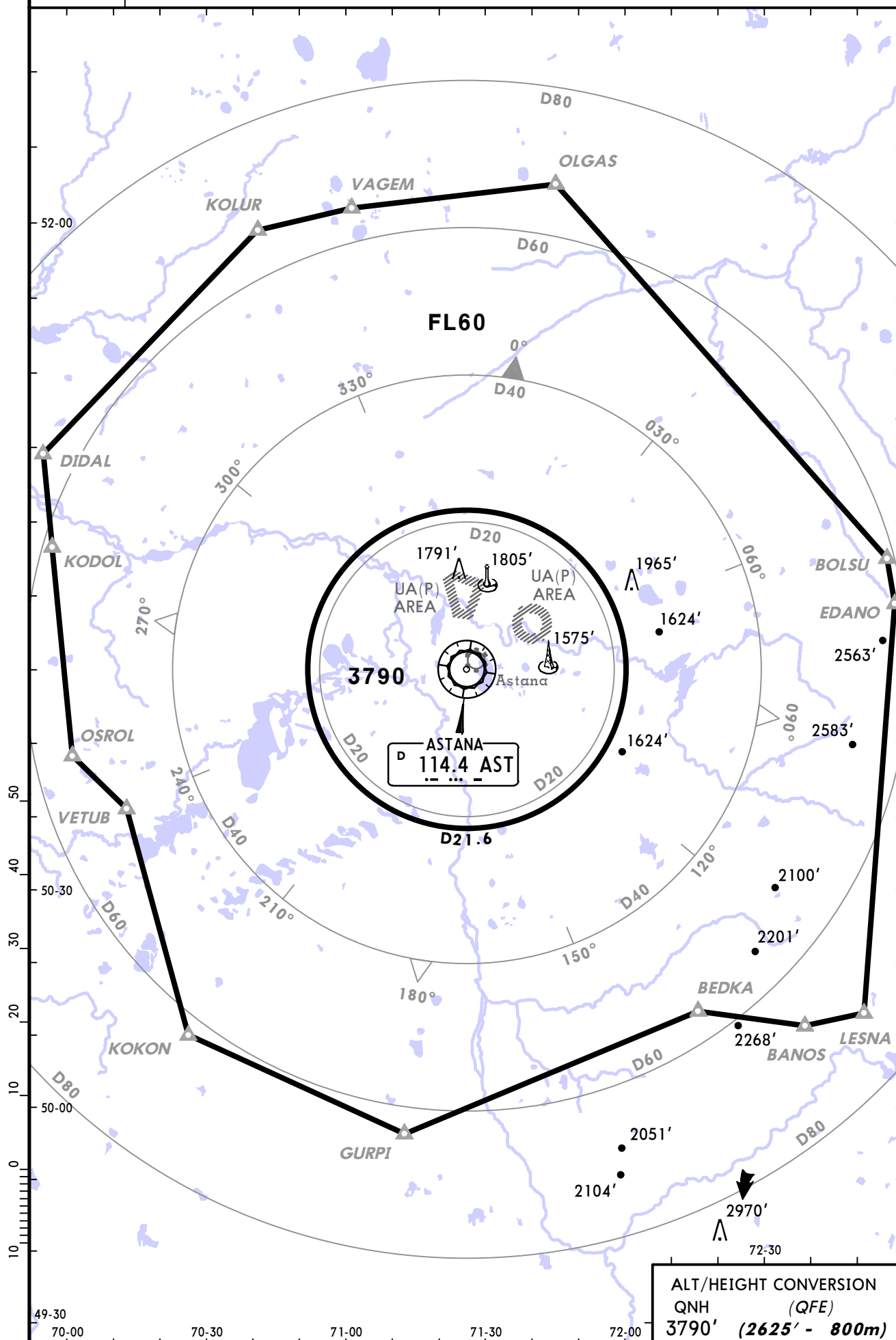
ATIS 128.3 Non-English
ATIS 127.7
Astana Tower 118.7
Astana Tower Ground Control 119.6
Astana Approach Control 124.6 Non-English
Astana Radar 120.7

Apt Elev
1165'

Alt Set: MM (hPa on request) QNH on request **(QFE)**

Trans level: FL60 Trans alt: 3790' **(2625')**

1. This chart may only be used for cross-checking of altitudes assigned while under radar control. 2. Levels assigned by ATC include a correction for low temperature effect when necessary.



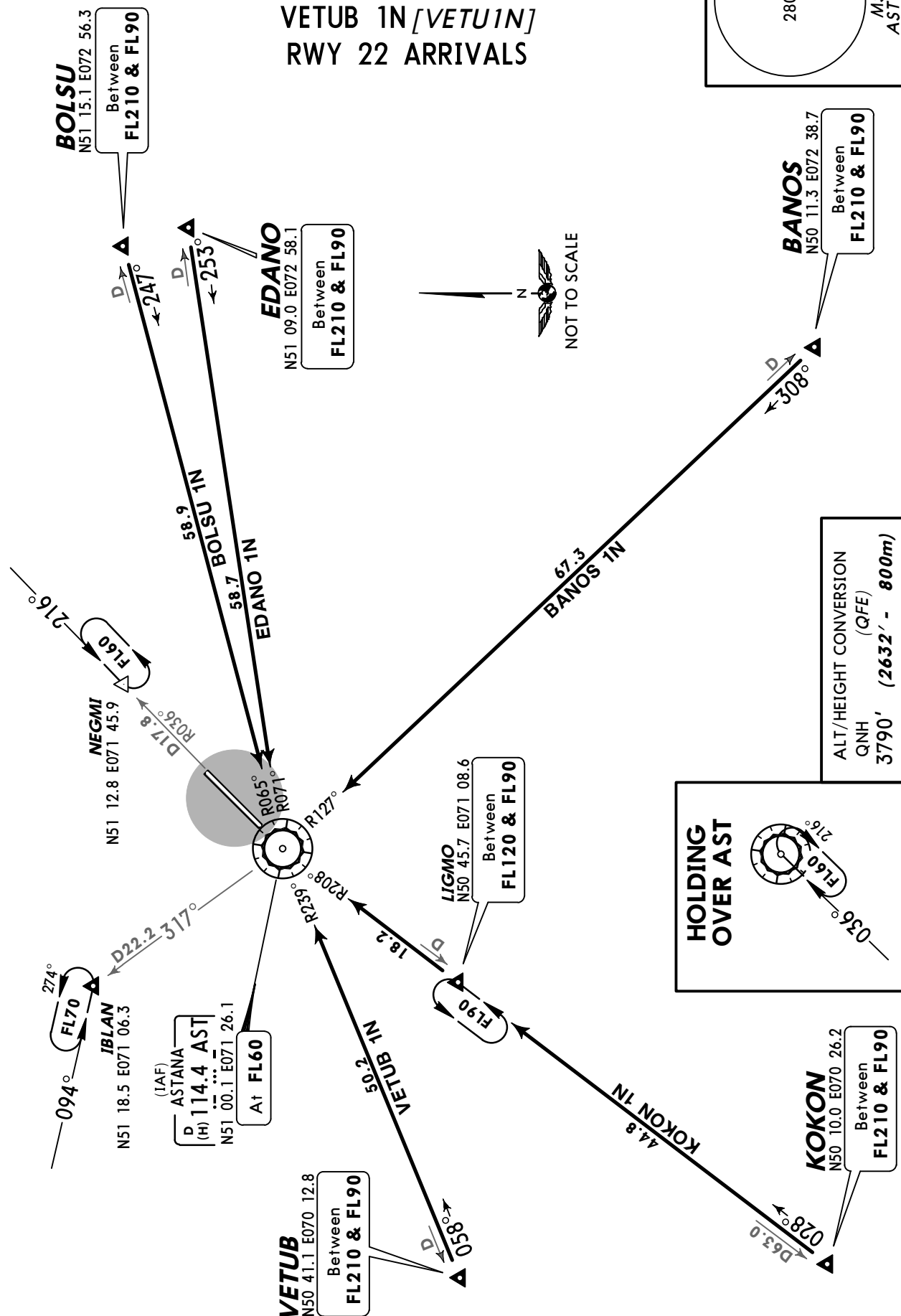
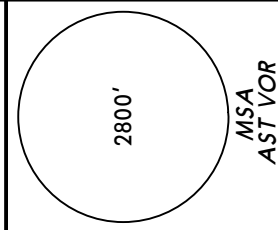
ATIS
127.7 (Russian 128.3)

Apt Elev
1165'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL60 Trans alt: 3790' (2632')

(QFE)

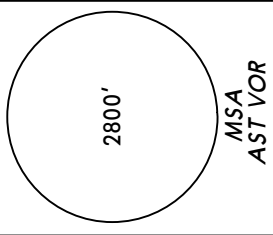
BANOS 1N [BANO1N], BOLSU 1N [BOLS1N]
EDANO 1N [EDAN1N], KOKON 1N [KOKO1N]
VETUB 1N [VETU1N]
RWY 22 ARRIVALS



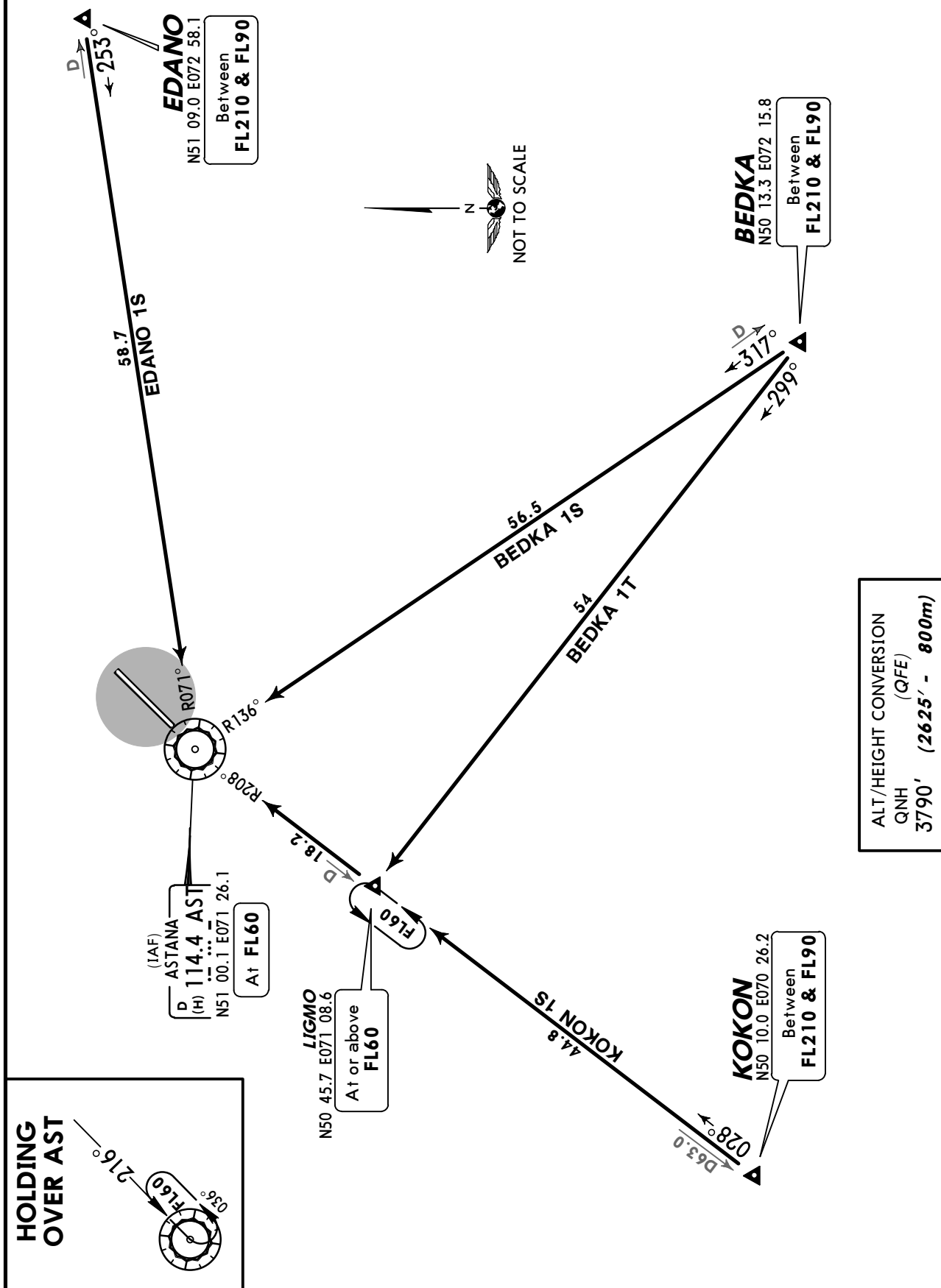
ATIS
127.7 (Russian 128.3)

Apt Elev
1165'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 3790' (2625')



BEDKA 1S [BEDK1S], BEDKA 1T [BEDK1T]
EDANO 1S [EDAN1S], KOKON 1S [KOKO1S]
RWY 04 ARRIVALS

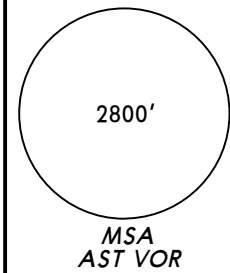


ATIS
127.7 (Russian 128.3)

Apt Elev
1165'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 3790' (2632')

DIDAL 1N [DIDA1N], OLGAS 1N [OLGA1N]
VAGEM 1N [VAGE1N]
RWY 22 ARRIVALS



VAGEM
N52 02.0 E071 01.2
(AST R-337/D63.9)
Between
FL210 & FL90

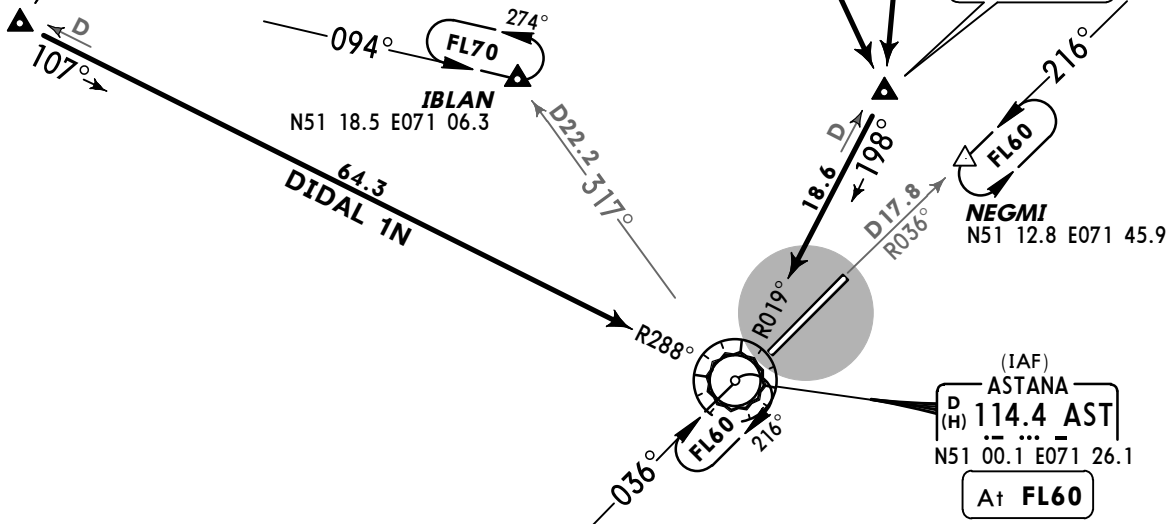
OLGAS
N52 05.2 E071 45.1
(AST R-001/D66.3)
Between
FL210 & FL90



ALT/HEIGHT CONVERSION
QNH (QFE)
3790' (2632' - 800m)

DIDAL
N51 29.1 E069 54.9
Between
FL210 & FL90

ASDET
N51 16.5 E071 39.8
At or above
FL70

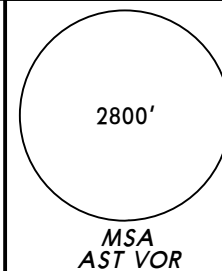


ATIS
127.7 (Russian 128.3)

Apt Elev
1165'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL60 Trans alt: 3790' (2625')

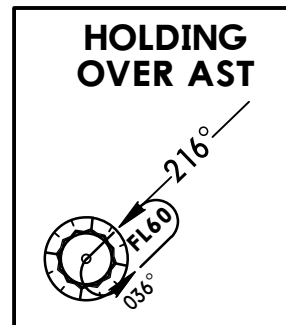
KODOL 1S [KODO1S], KODOL 1T [KODO1T]
KOLUR 1S [KOLU1S], VAGEM 1S [VAGE1S]
VETUB 1S [VETU1S]
RWY 04 ARRIVALS



KOLUR
N51 59.0 E070 41.1
(AST R-325/D65.4)
Between
FL210 & FL90

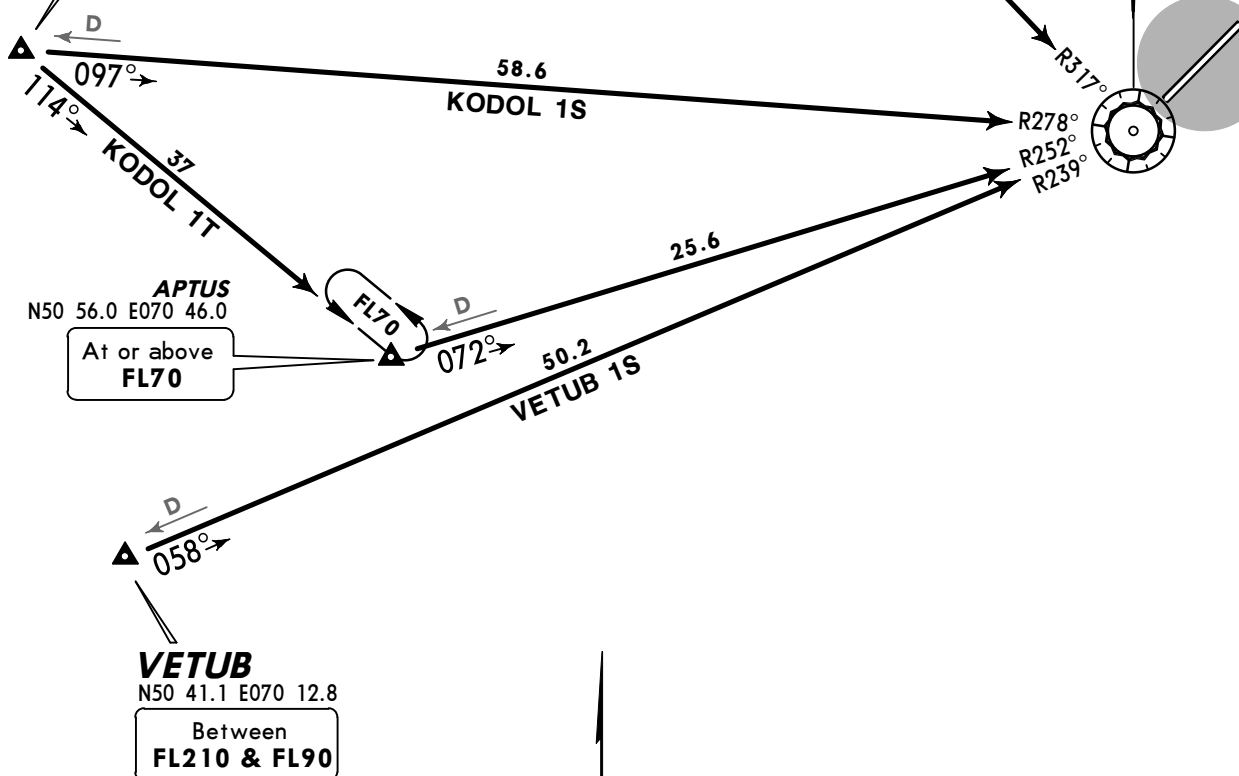
VAGEM
N52 02.0 E071 01.2
(AST R-337/D63.9)
Between
FL210 & FL90

IBLAN
N51 18.5 E071 06.3
Between
FL120 & F110
or
at FL70

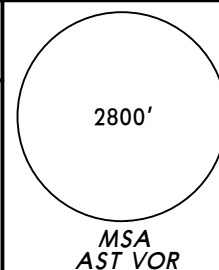


KODOL
N51 16.6 E069 56.9
Between
FL210 & FL90

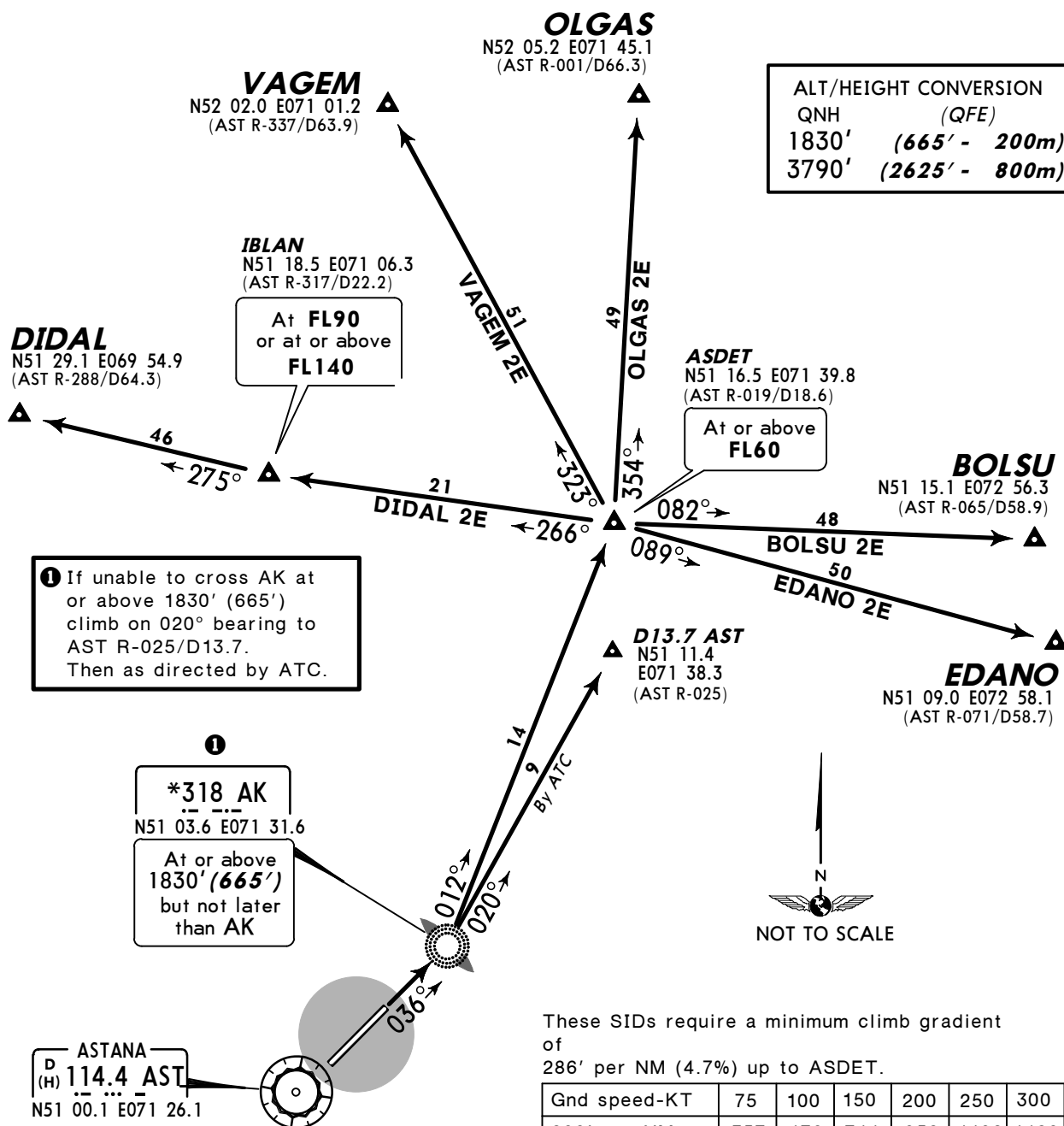
(IAF)
ASTANA
D (H) 114.4 AST
N51 00.1 E071 26.1
At FL60



ALT/HEIGHT CONVERSION
QNH (QFE)
3790' (2625' - 800m)

Apt Elev
1165'QNH on request (QFE)
Trans level: FL60 Trans alt: 3790' (2625')

BOLSU 2E [BOLS2E], DIDAL 2E [DIDA2E]
EDANO 2E [EDAN2E], OLGAS 2E [OLGA2E]
VAGEM 2E [VAGE2E]
RWY 04 DEPARTURES

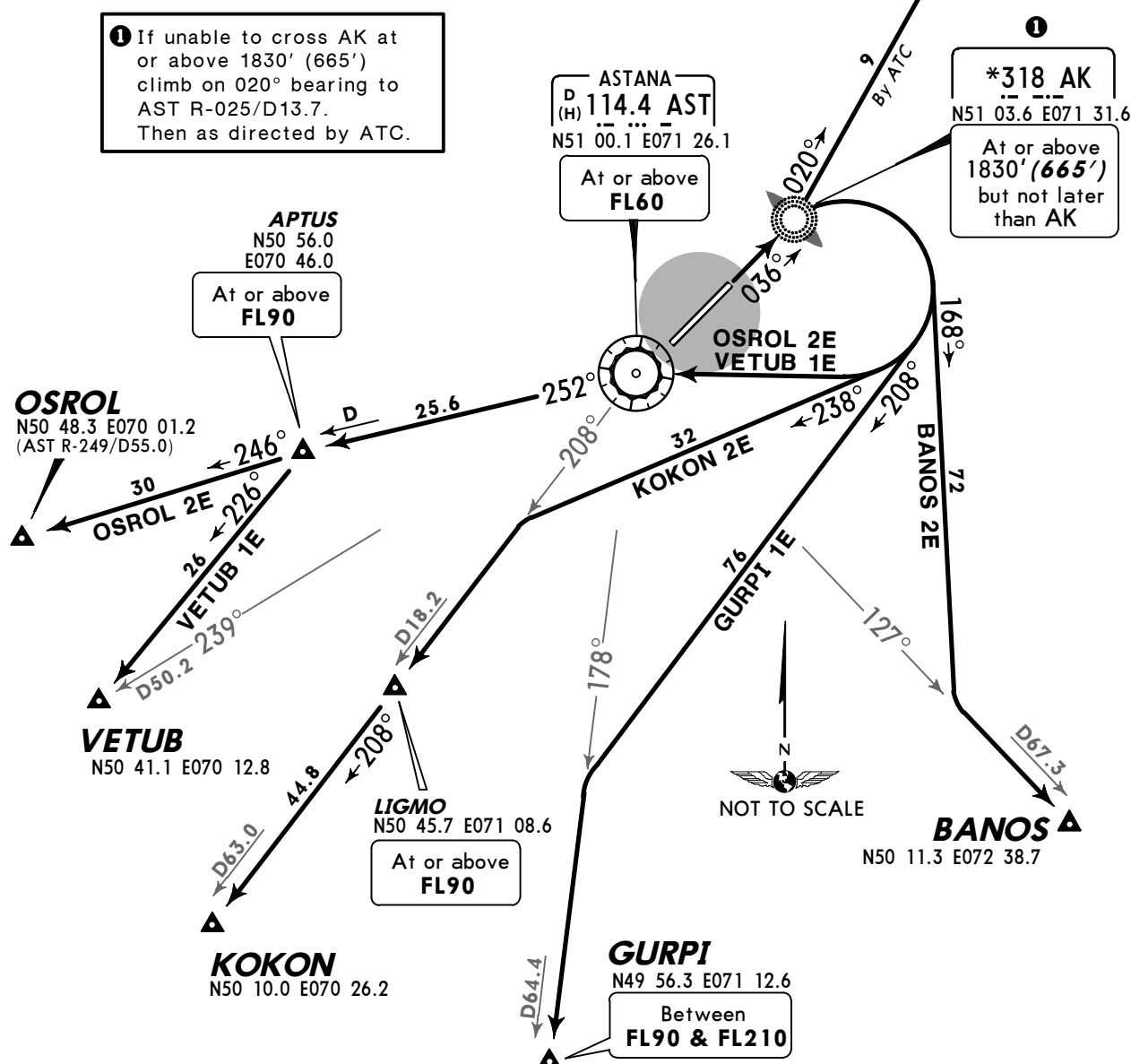
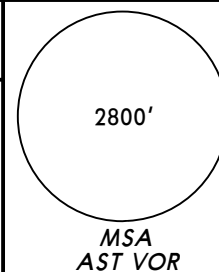


MAX 225 KT during departure turn.

SID	ROUTING
BOLSU 2E	Climb straight ahead, at or above 1830' (665'), but not later than AK turn LEFT, 012° track to ASDET, turn RIGHT, 082° track to BOLSU.
DIDAL 2E	Climb straight ahead, at or above 1830' (665'), but not later than AK turn LEFT, 012° track to ASDET, turn LEFT, 266° track to IBLAN, then to DIDAL.
EDANO 2E	Climb straight ahead, at or above 1830' (665'), but not later than AK turn LEFT, 012° track to ASDET, turn RIGHT, 089° track to EDANO.
OLGAS 2E	Climb straight ahead, at or above 1830' (665'), but not later than AK turn LEFT, 012° track to ASDET, turn LEFT, 354° track to OLGAS.
VAGEM 2E	Climb straight ahead, at or above 1830' (665'), but not later than AK turn LEFT, 012° track to ASDET, turn LEFT, 323° track to VAGEM.

Apt Elev
1165'QNH on request (QFE)
Trans level: FL60 Trans alt: 3790' (2625')

BANOS 2E [BANO2E], GURPI 1E [GURPIE]
KOKON 2E [KOKO2E], OSROL 2E [OSRO2E]
VETUB 1E [VETUIE]
RWY 04 DEPARTURES



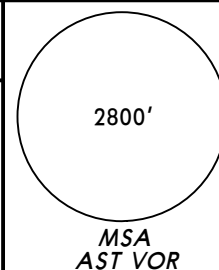
These SIDs require a minimum climb gradient of 286' per NM (4.7%) up to AK.

Gnd speed-KT	75	100	150	200	250	300
286' per NM	357	476	714	952	1190	1428

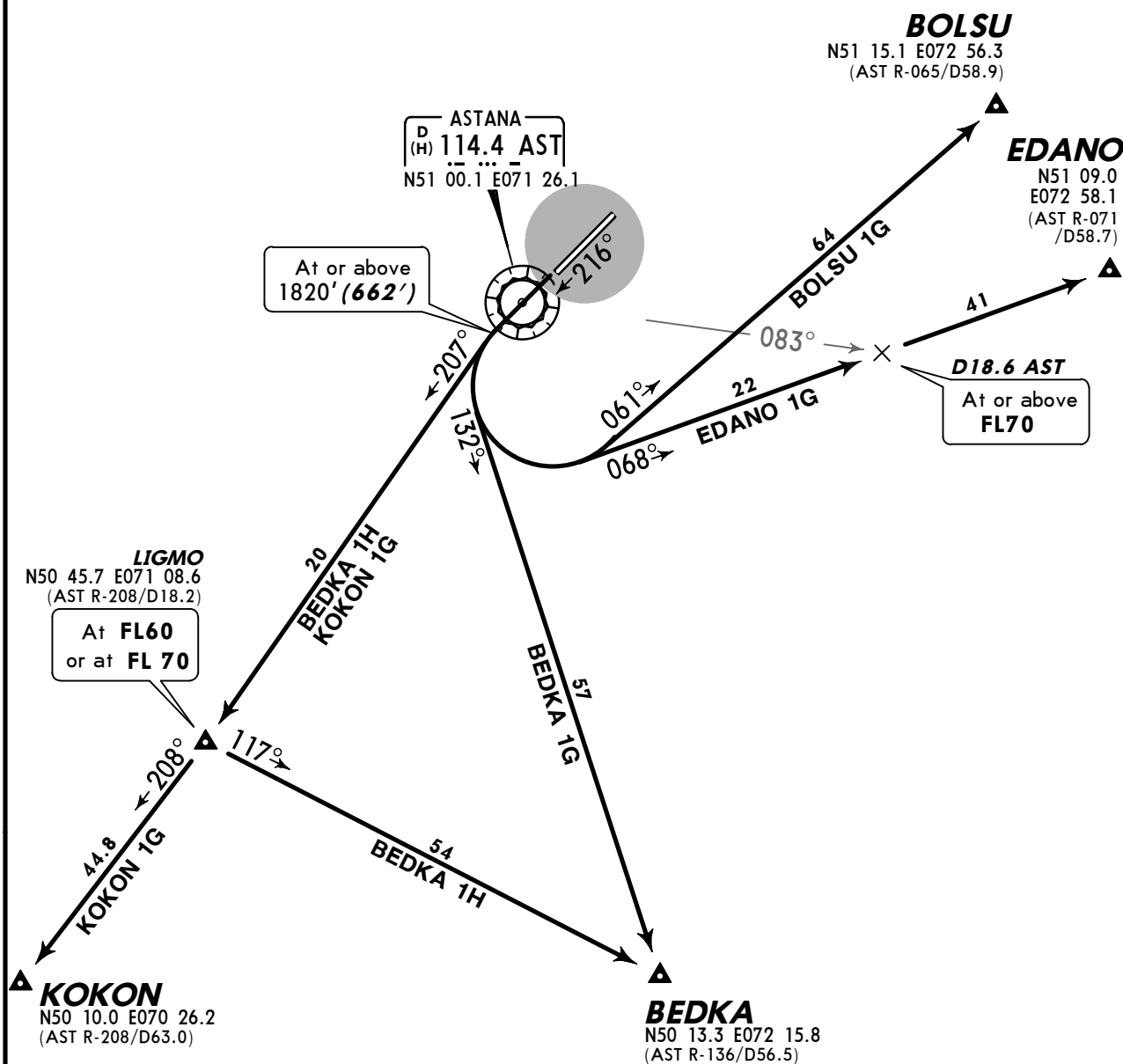
ALT/HEIGHT CONVERSION	
QNH	(QFE)
1830'	(665' - 200m)
3790'	(2625' - 800m)

MAX 225 KT during departure turn.

SID	ROUTING
BANOS 2E	Climb straight ahead, at or above 1830' (665'), but not later than AK turn RIGHT, 168° track, intercept AST R-127 to BANOS.
GURPI 1E	Climb straight ahead, at or above 1830' (665'), but not later than AK turn RIGHT, 208° track, intercept AST R-178 to GURPI.
KOKON 2E	Climb straight ahead, at or above 1830' (665'), but not later than AK turn RIGHT, 238° track, intercept AST R-208 to LIGMO, 208° track to KOKON.
OSROL 2E	Climb straight ahead, at or above 1830' (665'), but not later than AK turn RIGHT to AST, AST R-252 to APTUS, turn LEFT, 246° track to OSROL.
VETUB 1E	Climb straight ahead, at or above 1830' (665'), but not later than AK turn RIGHT to AST, AST R-252 to APTUS, turn LEFT, 226° track to VETUB.

Apt Elev
1165'QNH on request (QFE)
Trans level: FL60 Trans alt: 3790' (2632')

BEDKA 1G [BEDK1G], BEDKA 1H [BEDK1H]
BOLSU 1G [BOLS1G], EDANO 1G [EDAN1G]
KOKON 1G [KOKO1G]
RWY 22 DEPARTURES



ALT/HEIGHT CONVERSION
QNH (QFE)
1820' (662' - 200m)
3790' (2632' - 800m)

SID	ROUTING
BEDKA 1G	Climb to at or above 1820' (662'), turn LEFT, 132° track to BEDKA.
BEDKA 1H	Climb to at or above 1820' (662'), turn LEFT, 207° track to LIGMO, turn LEFT, 117° track to BEDKA.
BOLSU 1G	Climb to at or above 1820' (662'), turn LEFT, 061° track to BOLSU.
EDANO 1G	Climb to at or above 1820' (662'), turn LEFT, 068° track to EDANO.
KOKON 1G	Climb to at or above 1820' (662'), turn LEFT, 207° track to LIGMO, turn RIGHT, 208° track to KOKON.

2800'

MSA
AST VOR

OLGAS
▲ N52 05.2 E071 45.1
(AST R-001/D66.3)

VAGEM
N52 02.0 E071 01.2
(AST R-337/D63.9)

IBLAN
N51 18.5 E071 06.3
(AST R-317/D22.2)

At **FL90**
or at **FL100**

KODOL
N51 16.6 E069 56.9
(AST R-278/D58.6)

ASTANA
D
(H) 114.4 AST
N51 00.1 E071 26.1

At or above
1820' (**662'**)

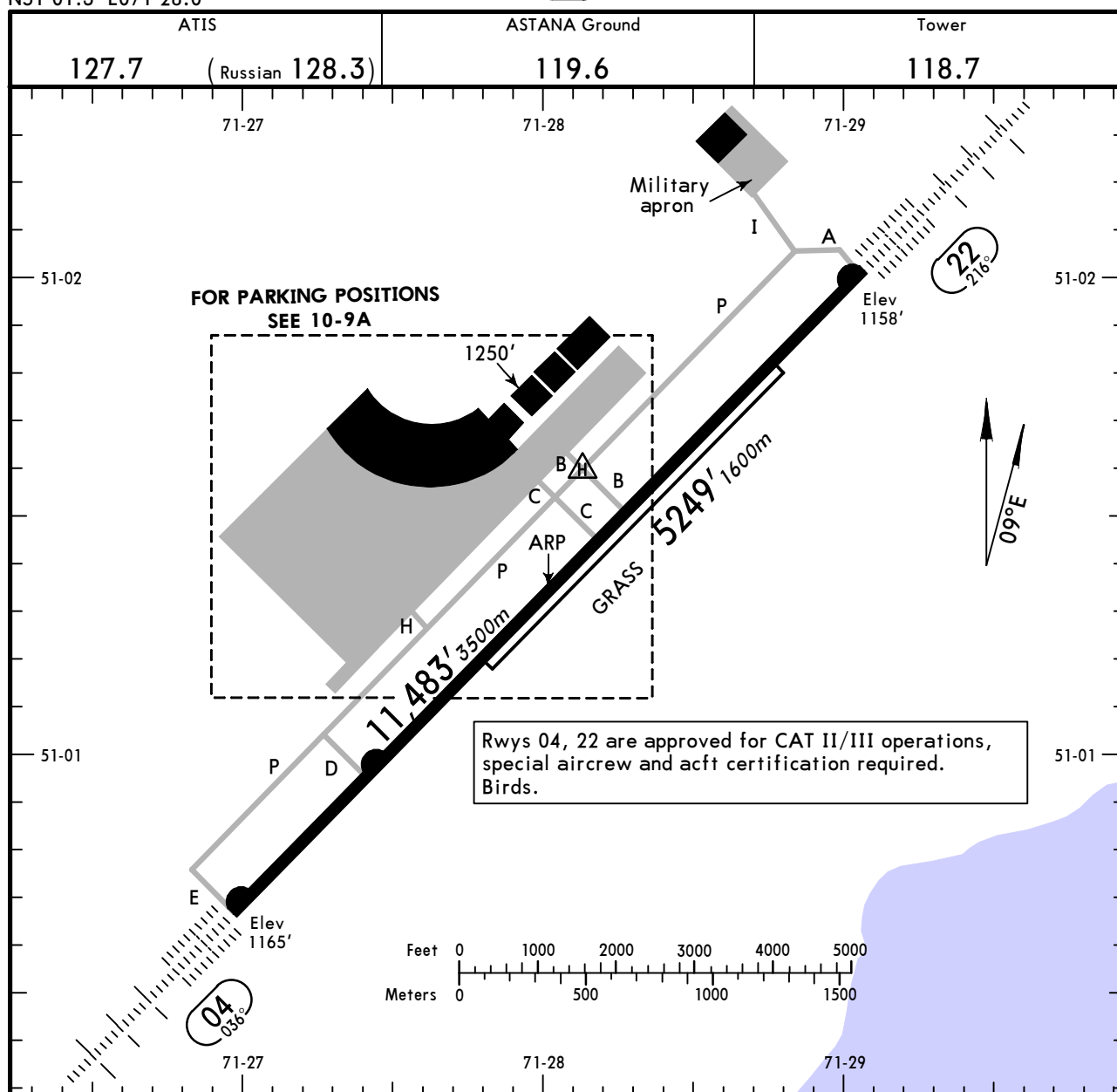
OSROL
N50 48.3 E070 01.2
(AST R-249/D55.0)

APTUS
N50 56.0 E070 46.0
(AST R-252/D25.6)

At or above
FL 90

VETUB ▲
N50 41.1 E070 12.8

SID	ROUTING
KODOL 1G	Climb to at or above 1820' (662'), turn RIGHT, 281° track to KODOL.
KODOL 1H	Climb to at or above 1820' (662'), turn RIGHT, 257° track to APTUS, turn RIGHT, 295° track to KODOL.
KOLUR 1G	Climb to at or above 1820' (662'), turn RIGHT, 331° track to IBLAN, turn LEFT, 330° track to KOLUR.
OLGAS 1G	Climb to at or above 1820' (662'), turn RIGHT, 331° track to IBLAN, turn RIGHT, 018° track to OLGAS.
OSROL 1G	Climb to at or above 1820' (662'), turn RIGHT, 257° track to APTUS, turn LEFT, 246° track to OSROL.
VAGEM 1G	Climb to at or above 1820' (662'), turn RIGHT, 331° track to IBLAN, turn RIGHT, 347° track to VAGEM.
VETUB 1G	Climb to at or above 1820' (662'), turn RIGHT, 257° track to APTUS, turn LEFT, 226° track to VETUB.



ADDITIONAL RUNWAY INFORMATION

RWY			USABLE LENGTHS		TAKE-OFF	WIDTH
			Threshold	Glide Slope		
04	22	HIRL ① CL ② HIALS-II TDZ PAPI-L(3.0°) RVR		10,389' 3167m		148' 45m
04	22	Grass runway				164' 50m

① (60m) ② (15m)

TAKE-OFF

AIR CARRIER (JAA)
Main rwy 04/22

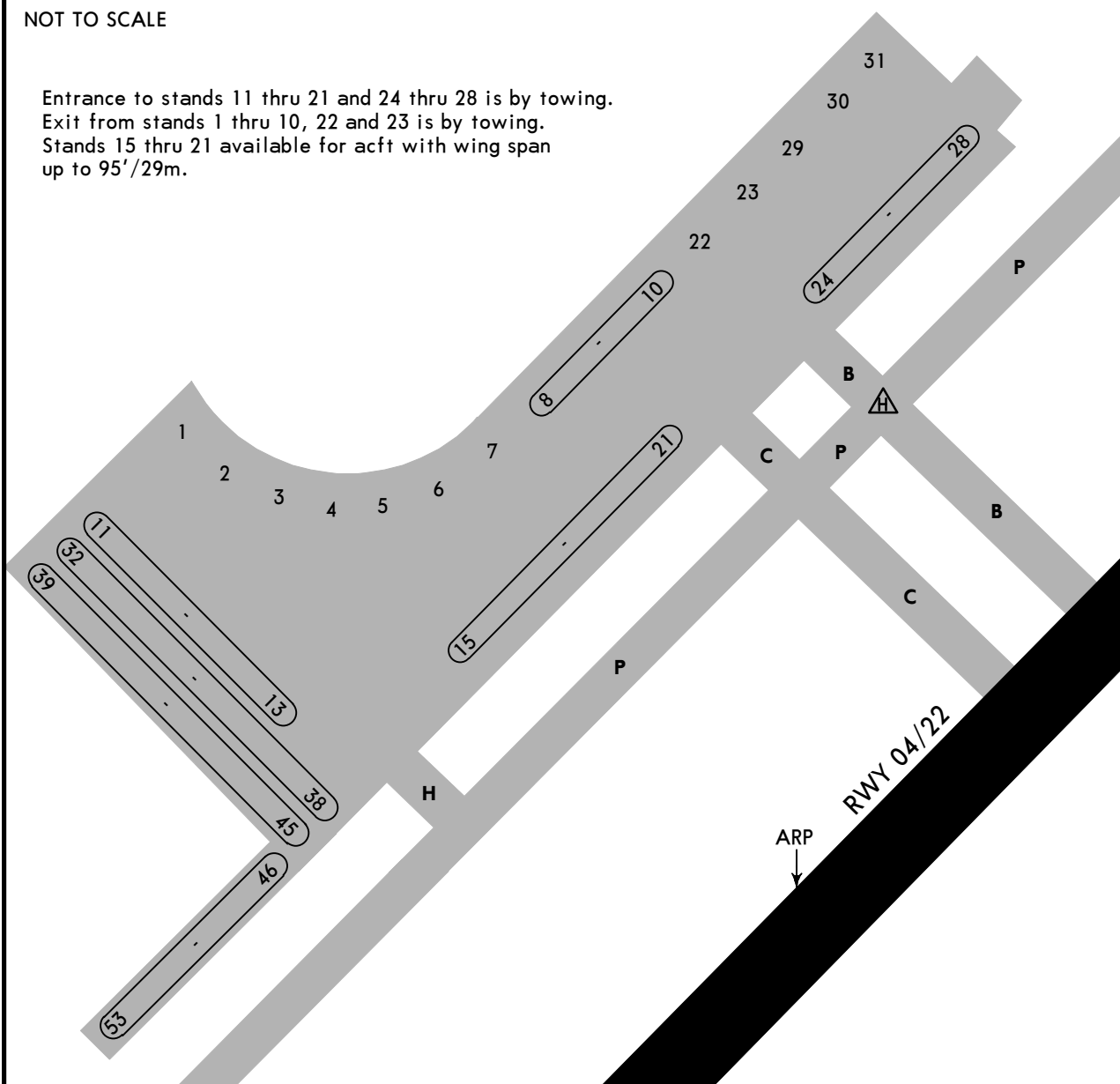
	DAY		NIGHT	
	LVP must be in force ① RL & CL	RL	LVP must be in force ① RL & CL	RL
A				
B	200m	400m ②	200m	400m ②
C				
D	250m (200m)		250m (200m)	400m

① For conditions with braking coefficient not less than 0.5 and cross wind component not more than half maximum allowed for acft type.

② LVP must be in force: 300m.

NOT TO SCALE

Entrance to stands 11 thru 21 and 24 thru 28 is by towing.
Exit from stands 1 thru 10, 22 and 23 is by towing.
Stands 15 thru 21 available for acft with wing span up to 95'/29m.



LOW VISIBILITY PROCEDURES (LVP)

The LVPs are established:

- during CAT II/III approaches when TDZ RVR is less than 550m and/or ceiling is below 200'/60m
- during take-off when RVR is less than 400m.

The status of LVP is passed to pilots by means of ATIS broadcast or RTF:

"Low Visibility Procedures in operation".

Pilots who intend to execute CAT II/III approach shall use the following phraseology on initial contact with ASTANA Approach:

"Request CAT II/III approach"

Arriving acft

Acft is requested to report rwy vacated after crossing light indicator



indicating the ILS localizer sensitive area. ACFT are permitted to taxi on the apron only under guidance of a Follow-me car. Parking to the stands is assisted by a marshaller.

Departing acft

Acft taxiing out from their stands are accompanied by a Follow-me car up to Twys.

Acft shall stop at the holding position before the light indicator



indicating the ILS localizer sensitive area.

STRAIGHT-IN RWY		A	B	C	D
04	CAT 3A ILS	RA50' R200m	RA50' R200m	RA50' R200m	RA50' R200m
	CAT 2 ILS	1265' (100')	1265' (100')	1265' (100')	1265' (100')
		RA102' R350m	RA102' R350m	RA102' R350m	RA102' R350m
	ILS	1365' (200')	1365' (200')	1365' (200')	1365' (200')
	FULL	550m	550m	550m	550m
	Limited	750m	750m	750m	750m
	ALS out	1200m	1200m	1200m	1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	VOR ❶	1600' (435')	1600' (435')	1600' (435')	1600' (435')
	ALS out	1300m 1500m	1300m 1500m	1300m 2000m	1400m 2000m
22	CAT 3A ILS	RA50' R200m	RA50' R200m	RA50' R200m	RA50' R200m
	CAT 2 ILS	1258' (100')	1258' (100')	1258' (100')	1258' (100')
		RA105' R350m	RA105' R350m	RA105' R350m	RA105' R350m
	ILS	1358' (200')	1358' (200')	1358' (200')	1358' (200')
	FULL	550m	550m	550m	550m
	Limited	750m	750m	750m	750m
	ALS out	1200m	1200m	1200m	1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	VOR ❶	1600' (435')	1600' (435')	1600' (435')	1600' (435')
	ALS out	1300m 1500m	1300m 1500m	1300m 2000m	1400m 2000m
	2 NDB ❶❷	1510' (352')	1510' (352')	1510' (352')	1510' (352')
		900m	1000m	1000m	1400m
	ALS out	1500m	1500m	1600m	1600m
	2 NDB ❶❸	1510' (352')	1510' (352')	1510' (352')	1510' (352')
		1000m	1000m	1200m	1400m
	ALS out	1600m	1600m	1600m	1600m

❶ Continuous Descent Final Approach.

❷ with FMS.

❸ w/o FMS.

TAKE-OFF RWY 04, 22

DAY					NIGHT		
LVP must be in Force ❹					LVP must be in Force ❹		
RL, CL & mult. RVR req	RL & CL	RL	RCLM	NIL	RL, CL & mult. RVR req	RL & CL	RL
A							
B	200m	200m	400m ❺	500m	200m	200m	400m ❺
C							
D		250m	500m			250m	400m

❹ For conditions with braking coefficient not less than 0.5 and cross wind component not more than half maximum allowed for acft type. ❺ LVP must be in force: 300m.

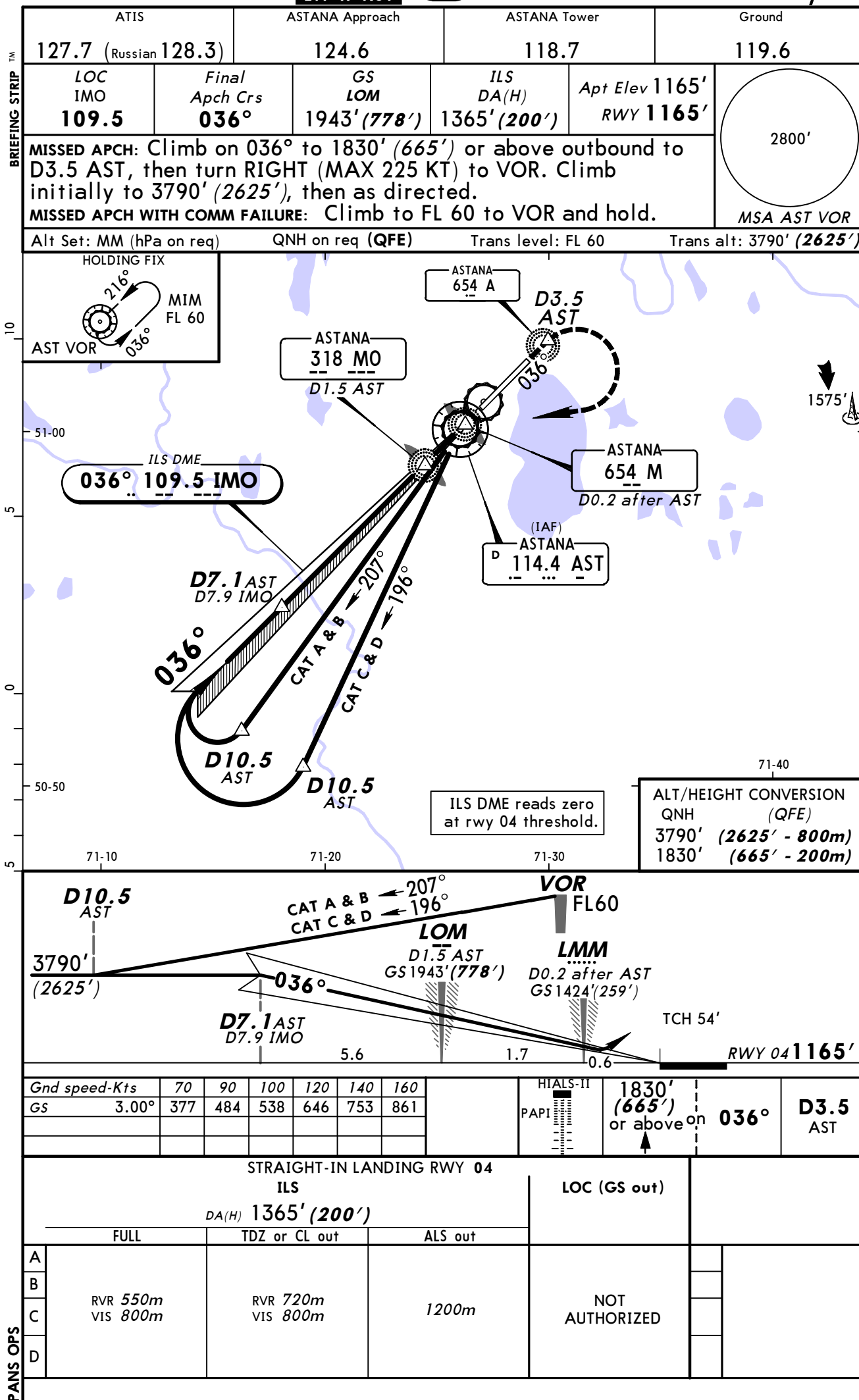
STRAIGHT-IN RWY		A	B	C	D
04	CAT 3A ILS	RA50' R200m	RA50' R200m	RA50' R200m	RA50' R200m
	CAT 2 ILS	1265' (100')	1265' (100')	1265' (100')	1265' (100')
		RA102' R350m	RA102' R350m	RA102' R350m	RA102' R350m
	ILS	1365' (200')	1365' (200')	1365' (200')	1365' (200')
		R550m	R550m	R550m	R550m
	ALS out	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	VOR	1600' (435')	1600' (435')	1600' (435')	1600' (435')
		900m	1000m	1000m	1400m
	ALS out	1500m	1500m	1800m	2000m
22	CAT 3A ILS	1600' (435')	1600' (435')	1600' (435')	1600' (435')
		900m	1000m	1000m	1400m
	CAT 2 ILS	1258' (100')	1258' (100')	1258' (100')	1258' (100')
		RA105' R350m	RA105' R350m	RA105' R350m	RA105' R350m
	ILS	1358' (200')	1358' (200')	1358' (200')	1358' (200')
		R550m	R550m	R550m	R550m
	ALS out	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	VOR	1600' (435')	1600' (435')	1600' (435')	1600' (435')
		900m	1000m	1000m	1400m
	2 NDB	1490' (332')	1490' (332')	1490' (332')	1490' (332')
		900m	1000m	1000m	1400m
	ALS out	1500m	1500m	1800m	2000m

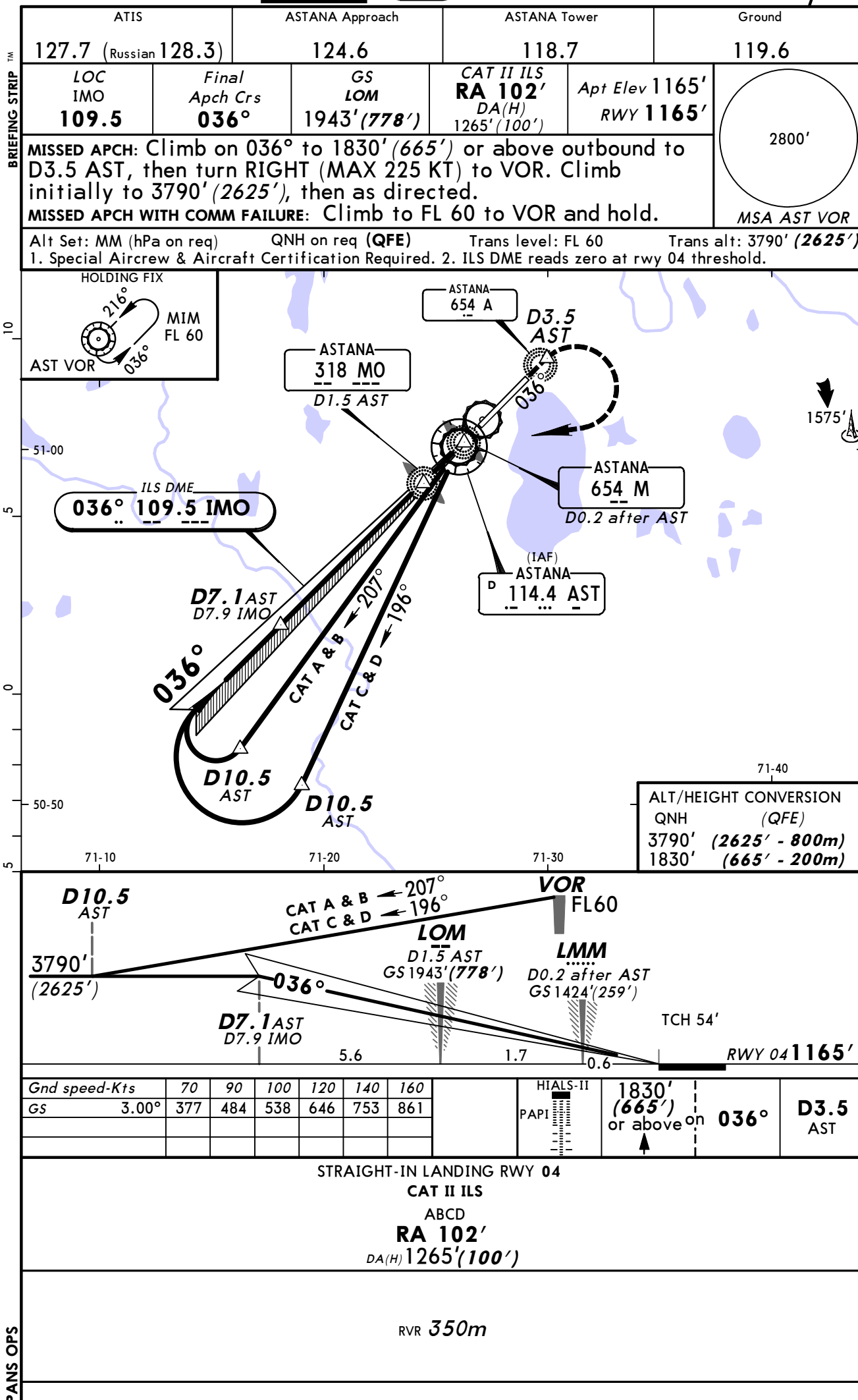
TAKE-OFF RWY 04, 22

DAY					NIGHT		
LVP must be in Force ①					LVP must be in Force ①		
RL, CL & mult. RVR req	RL & CL	RL	RCLM	NIL	RL, CL & mult. RVR req	RL & CL	RL
A							
B	200m	200m	400m ②	500m	200m	200m	400m ②
C			500m			250m	400m
D		250m					

① For conditions with braking coefficient not less than 0.5 and cross wind component not more than half maximum allowed for acft type.

② LVP must be in force: 300m.



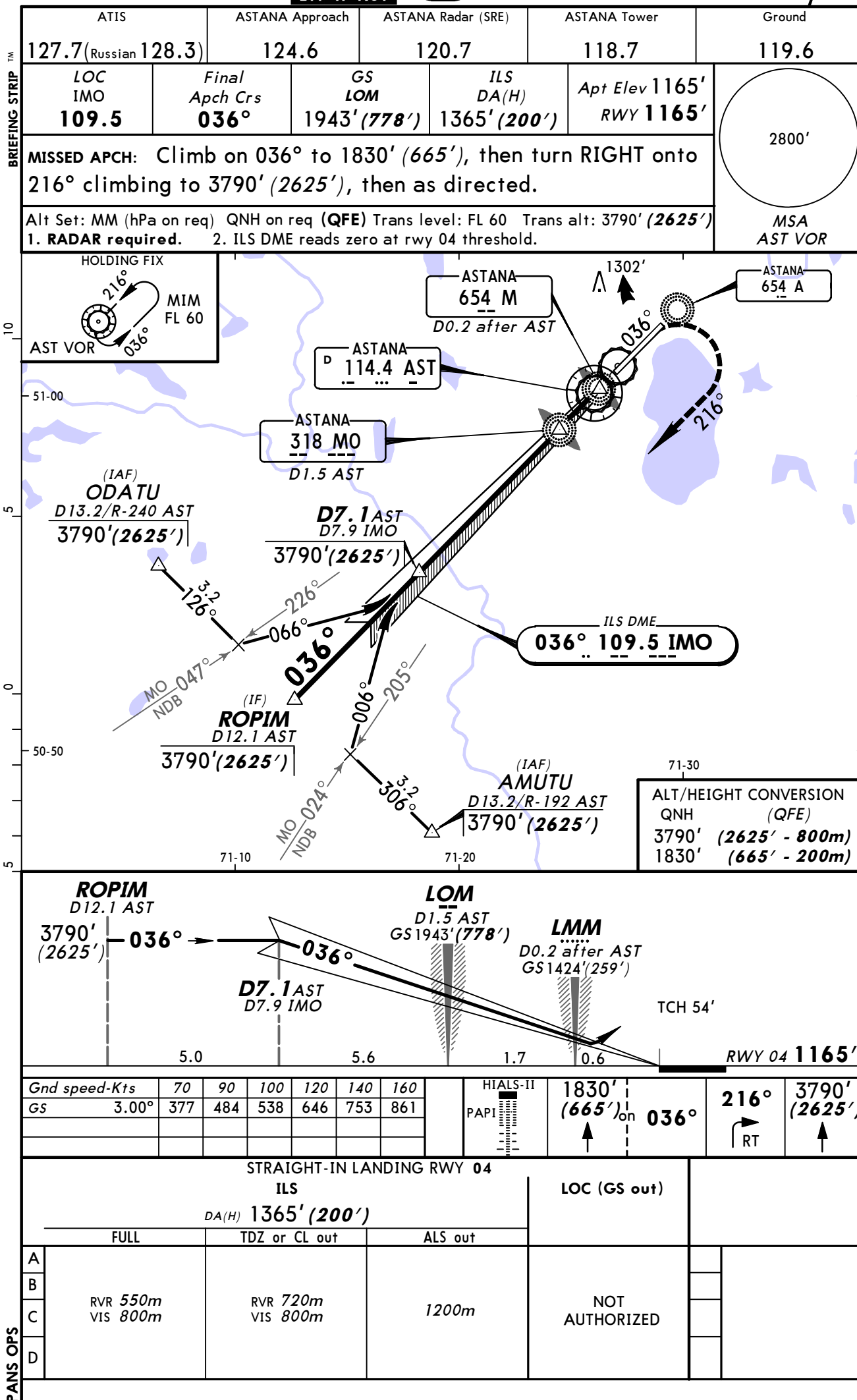


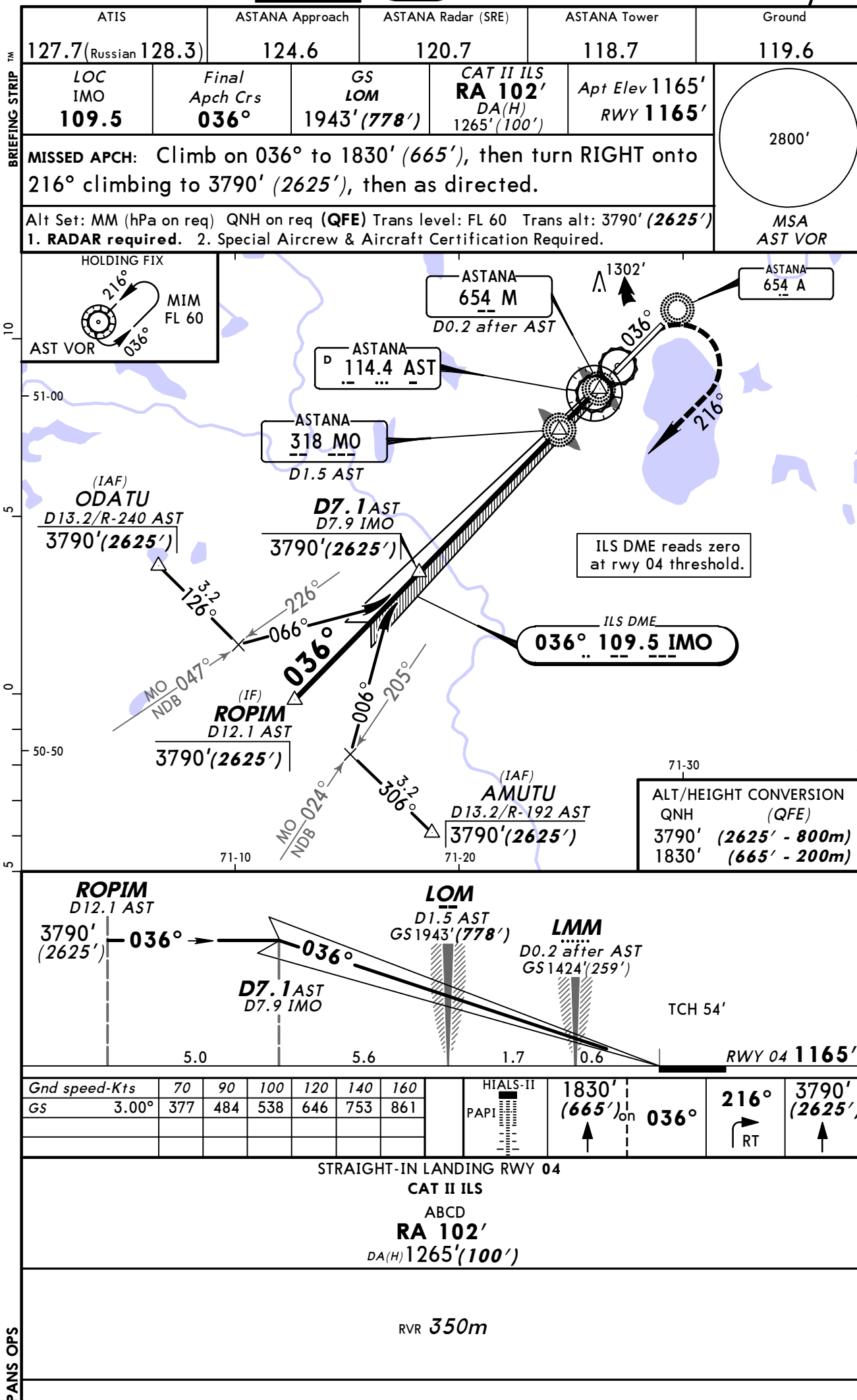
UACC/TSE
ASTANA

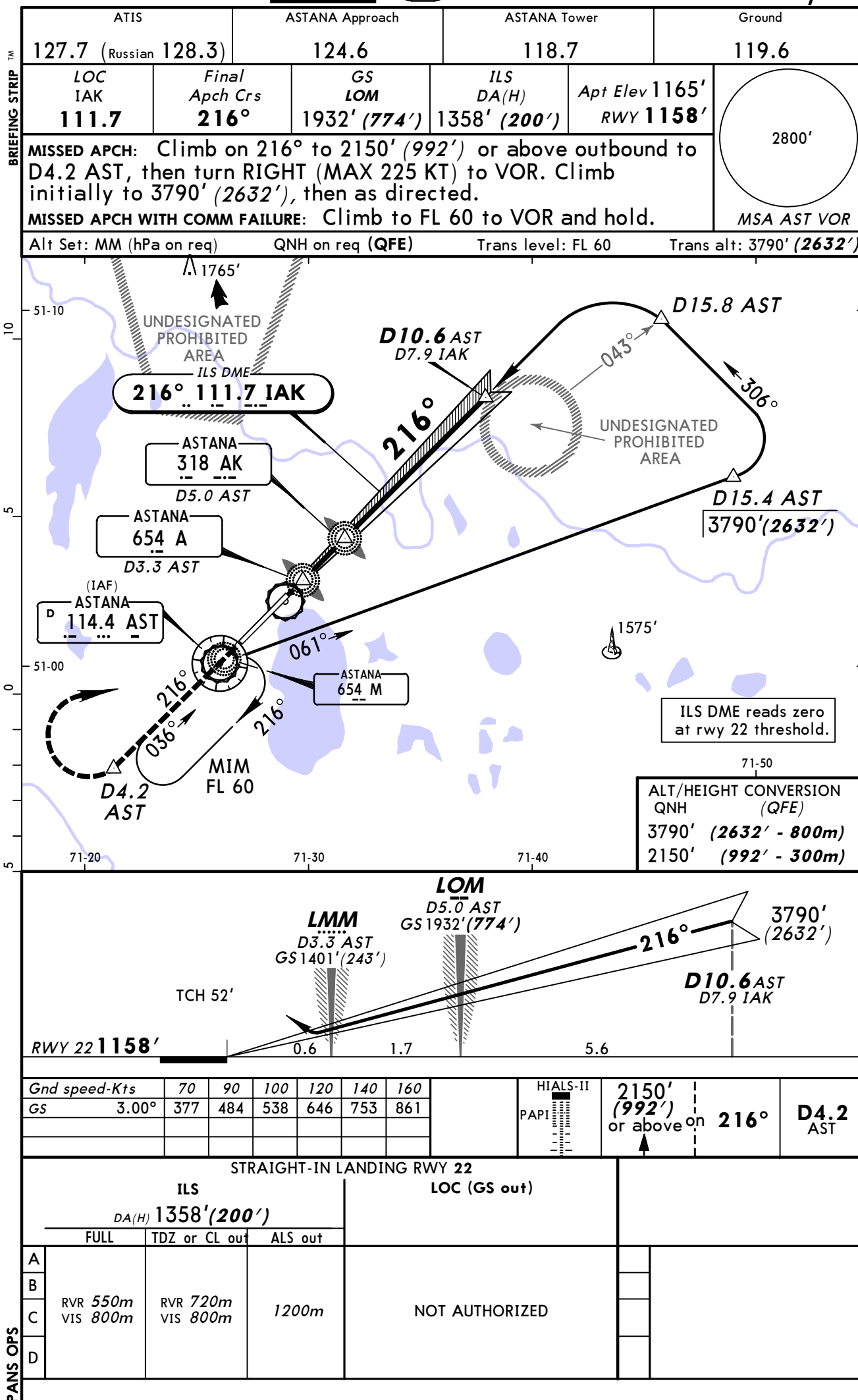
4 NOV 11
Eff 17 Nov

11-2

ASTANA, KAZAKHSTAN
ILS DME Y Rwy 04



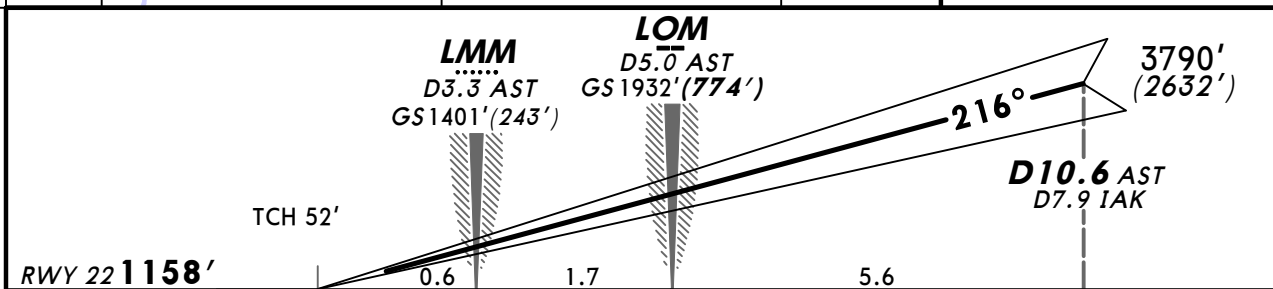
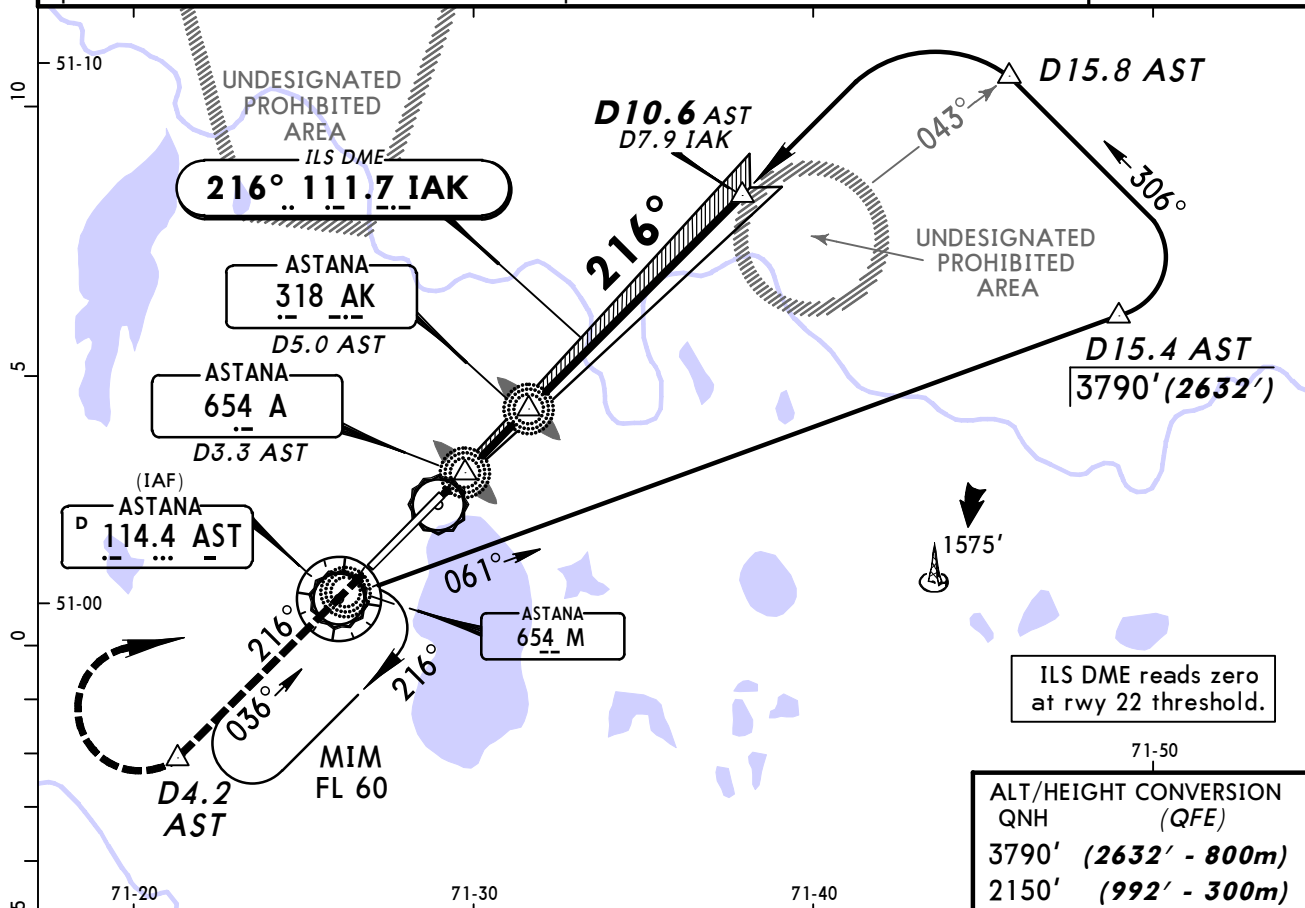




TM

BRIEFING STRIP

ATIS		ASTANA Approach		ASTANA Tower		Ground	
127.7 (Russian 128.3)		124.6		118.7		119.6	
LOC IAK 111.7	Final Apch Crs 216°	GS LOM 1932' (774')	CAT II ILS RA 105' DA(H) 1258' (100')	Apt Elev 1165' RWY 1158'	2800' MSA AST VOR		
MISSED APCH: Climb on 216° to 2150' (992') or above outbound to D4.2 AST, then turn RIGHT (MAX 225 KT) to VOR. Climb initially to 3790' (2632'), then as directed.							
MISSED APCH WITH COMM FAILURE: Climb to FL 60 to VOR and hold.							
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 3790' (2632') Special Aircrew & Aircraft Certification Required.							

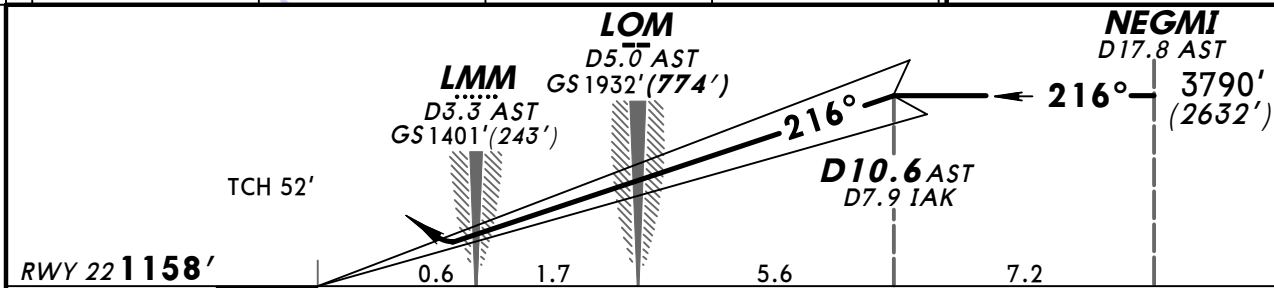
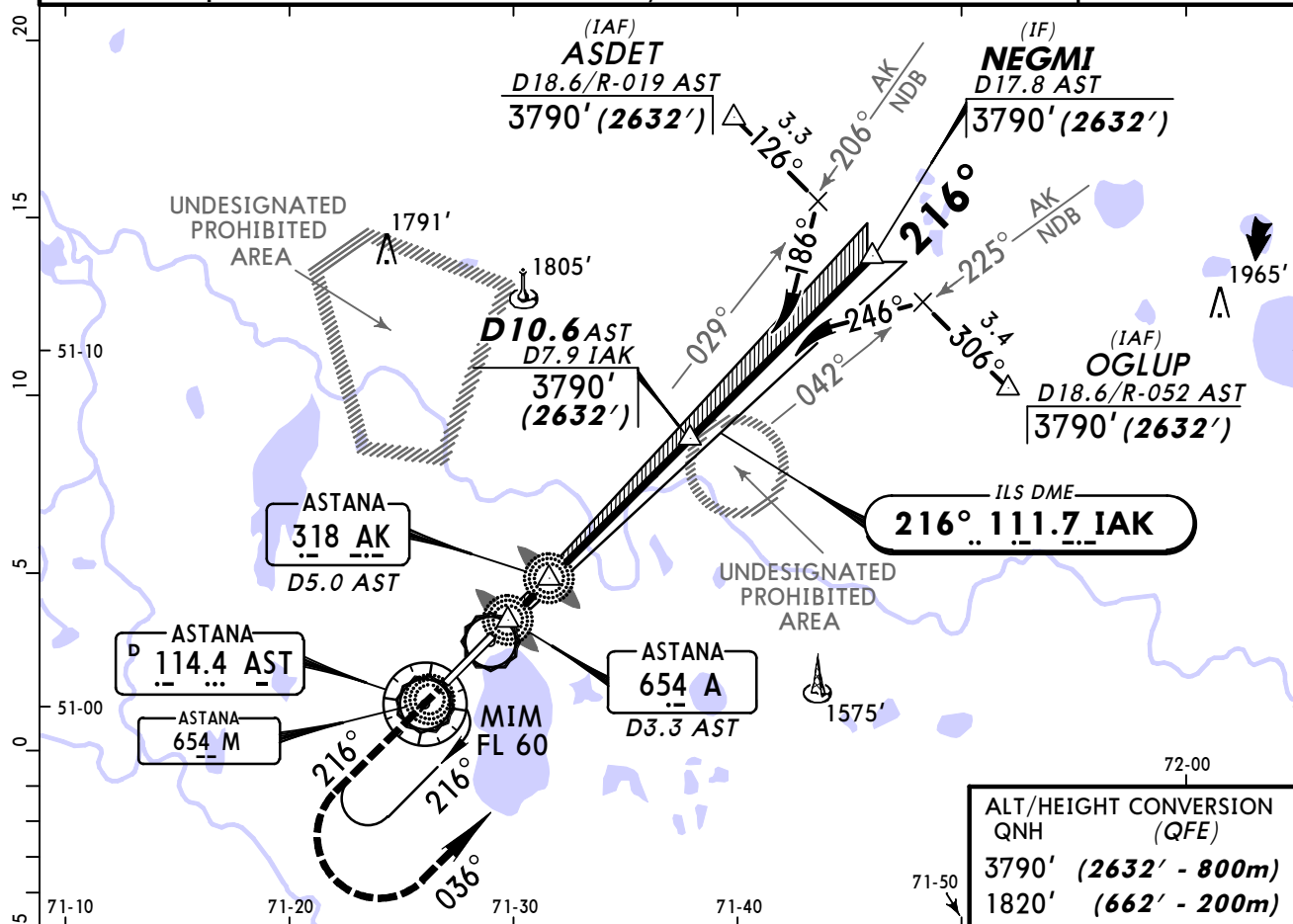


							HIALS-II		2150' (992') or above on		216°	D4.2 AST
Gnd speed-Kts	70	90	100	120	140	160	PAPI					
GS	3.00°	377	484	538	646	753	861					

STRAIGHT-IN LANDING RWY 22
CAT II ILS
ABCD
RA 105'
DA(H) 1258'(100')

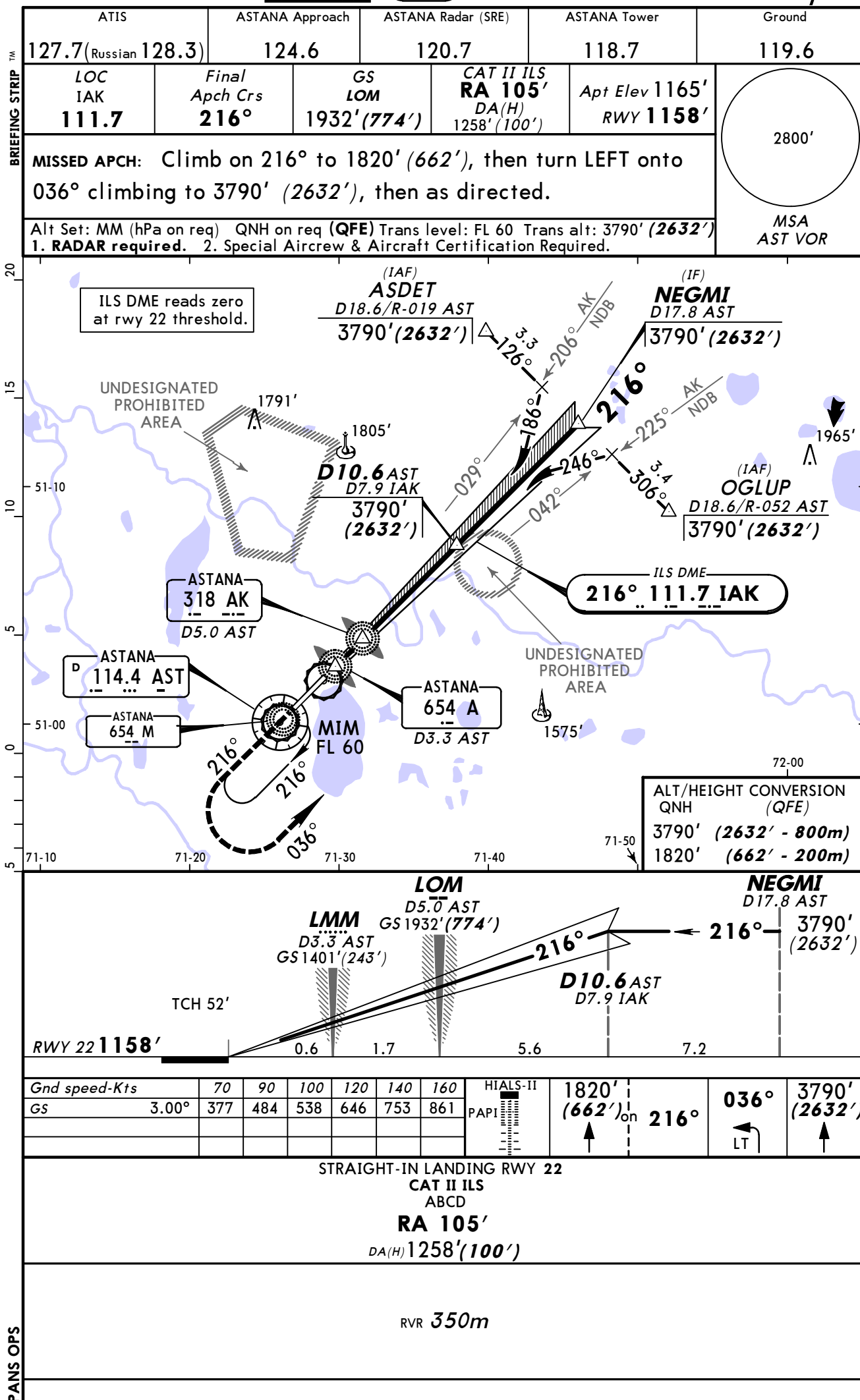
RVR 350m

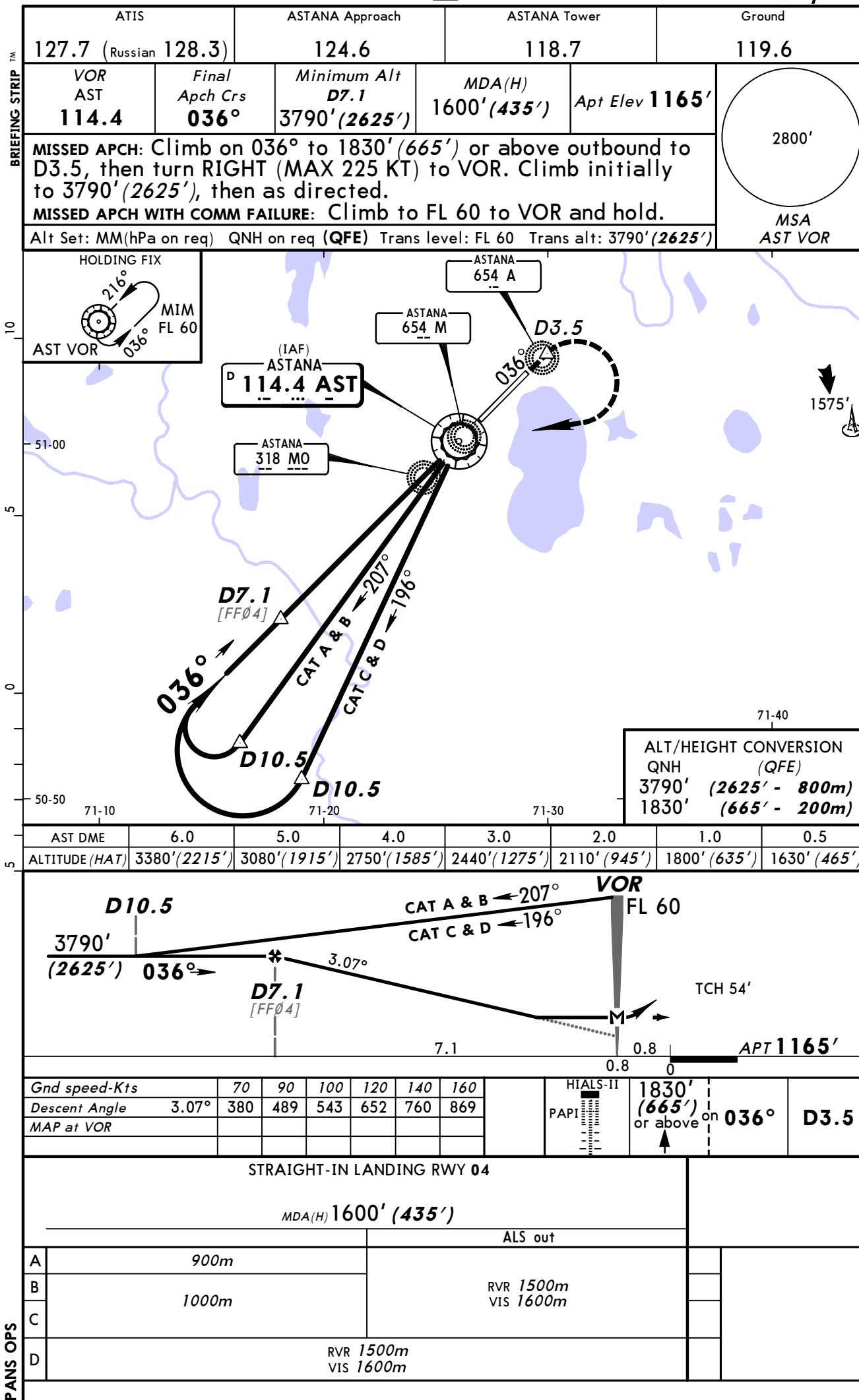
ATIS	ASTANA Approach	ASTANA Radar (SRE)	ASTANA Tower	Ground
127.7 (Russian 128.3)	124.6	120.7	118.7	119.6
LOC IAK	Final Apch Crs	GS LOM	ILS DA(H)	Apt Elev 1165' RWY 1158'
111.7	216°	1932' (774')	1358' (200')	
MISSED APCH: Climb on 216° to 1820' (662'), then turn LEFT onto 036° climbing to 3790' (2632'), then as directed.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 3790' (2632') 1. RADAR required. 2. ILS DME reads zero at rwy 22 threshold.				
				2800' MSA AST VOR

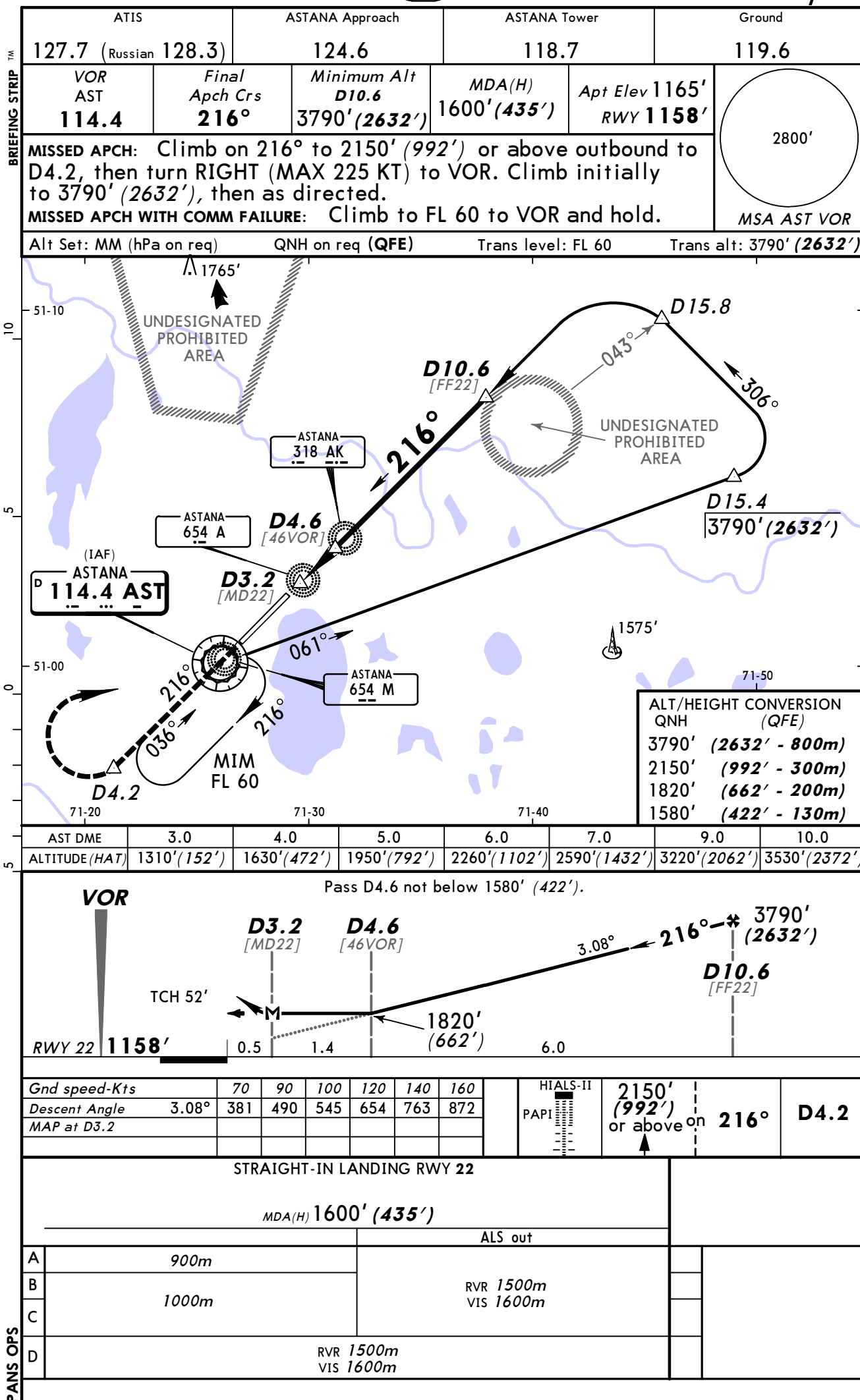


Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	1820' (662')	216°	036°	3790' (2632')
GS	3.00°	377	484	538	646	753	861	PAPI		LT	

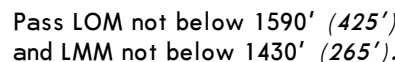
STRAIGHT-IN LANDING RWY 22							
ILS			LOC (GS out)				
DA(H) 1358' (200')							
FULL	TDZ or CL out	ALS out					
A							
B							
C	RVR 550m VIS 800m	RVR 720m VIS 800m	1200m	NOT AUTHORIZED			
D							







BRIEFING STRIP TM



HIALS-II
PAPI

STRAIGHT-IN LANDING RWY 04

MDA(H) 1600' (435')

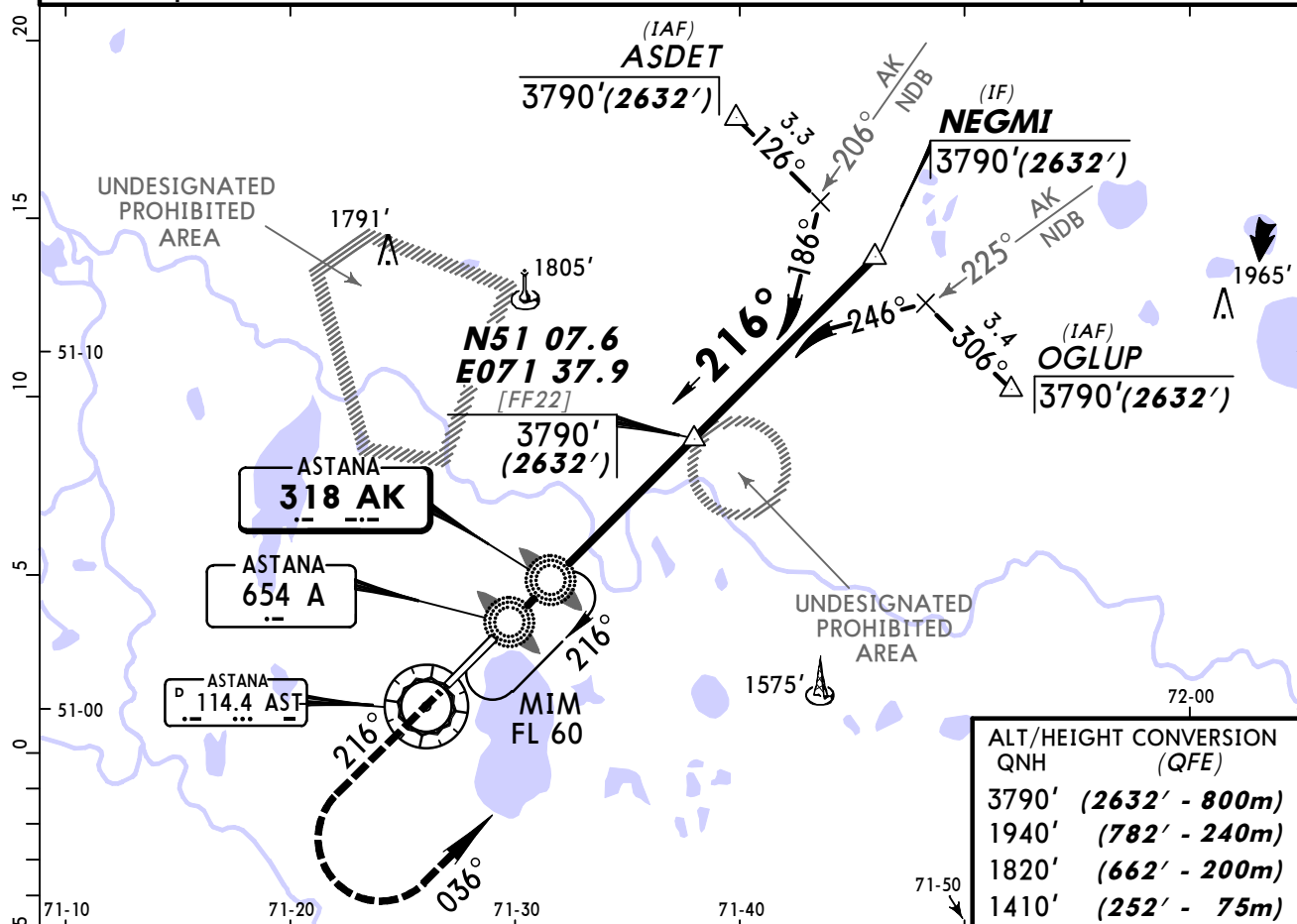
ALS out

A	1200m	RVR 1500m VIS 1600m	
B			
C			
D	RVR 1500m VIS 1600m		

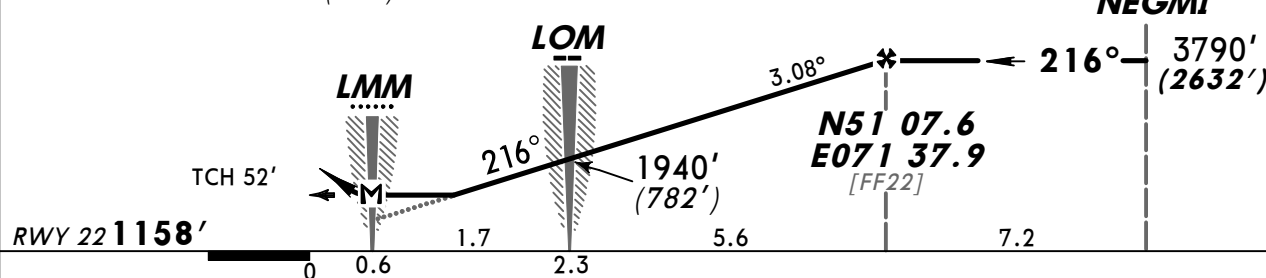
PANS OPS

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ATIS	ASTANA Approach	ASTANA Radar (SRE)	ASTANA Tower	Ground
127.7 (Russian 128.3)	124.6	120.7	118.7	119.6
NDB AK 318	Final Apch Crs 216°	Minimum Alt N51 07.6 E071 37.9 3790' (2632')	MDA(H) 1490' (332')	Apt Elev 1165' RWY 1158'
MISSED APCH: Climb on 216° to 1820' (662'), then turn LEFT (MAX 225 KT) onto 036° climbing to 3790' (2632'), then as directed.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 3790' (2632') RADAR required.				
				2800' MSA AK NDB



Pass LMM not below 1410' (252').



1820' (662') on 216°

STRAIGHT-IN LANDING RWY 22	
MDA(H) 1490' (332')	
ALS out	
A	
B	1200m
C	RVR 1500m VIS 1600m
D	RVR 1500m VIS 1600m

Chart changes since cycle 07-2012

ADD = added chart, REV = revised chart, DEL = deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
ASTANA, (ASTANA - UACC)				
REV	AIRPORT, AIRPORT INFO, TA...	10-9	23 Mar 2012	05 Apr 2012
REV	PARKING STANDS, LOW VIS	10-9A	23 Mar 2012	05 Apr 2012
REV	STANDARD MNMS	10-9S	23 Mar 2012	05 Apr 2012
REV	JAA MNMS	10-9X	23 Mar 2012	05 Apr 2012
REV	VOR DME RWY 04	13-1	23 Mar 2012	05 Apr 2012
REV	VOR DME RWY 22	13-2	23 Mar 2012	05 Apr 2012
REV	2 NDB RWY 04	16-1	23 Mar 2012	05 Apr 2012
REV	2 NDB RWY 22	16-2	23 Mar 2012	05 Apr 2012

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport UACC