

List of pages in this Trip Kit

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Airport Information For UACC
Terminal Charts For UACC
Revision Letter For Cycle 17-2013
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: 0017 Z
Sunset: 1415 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

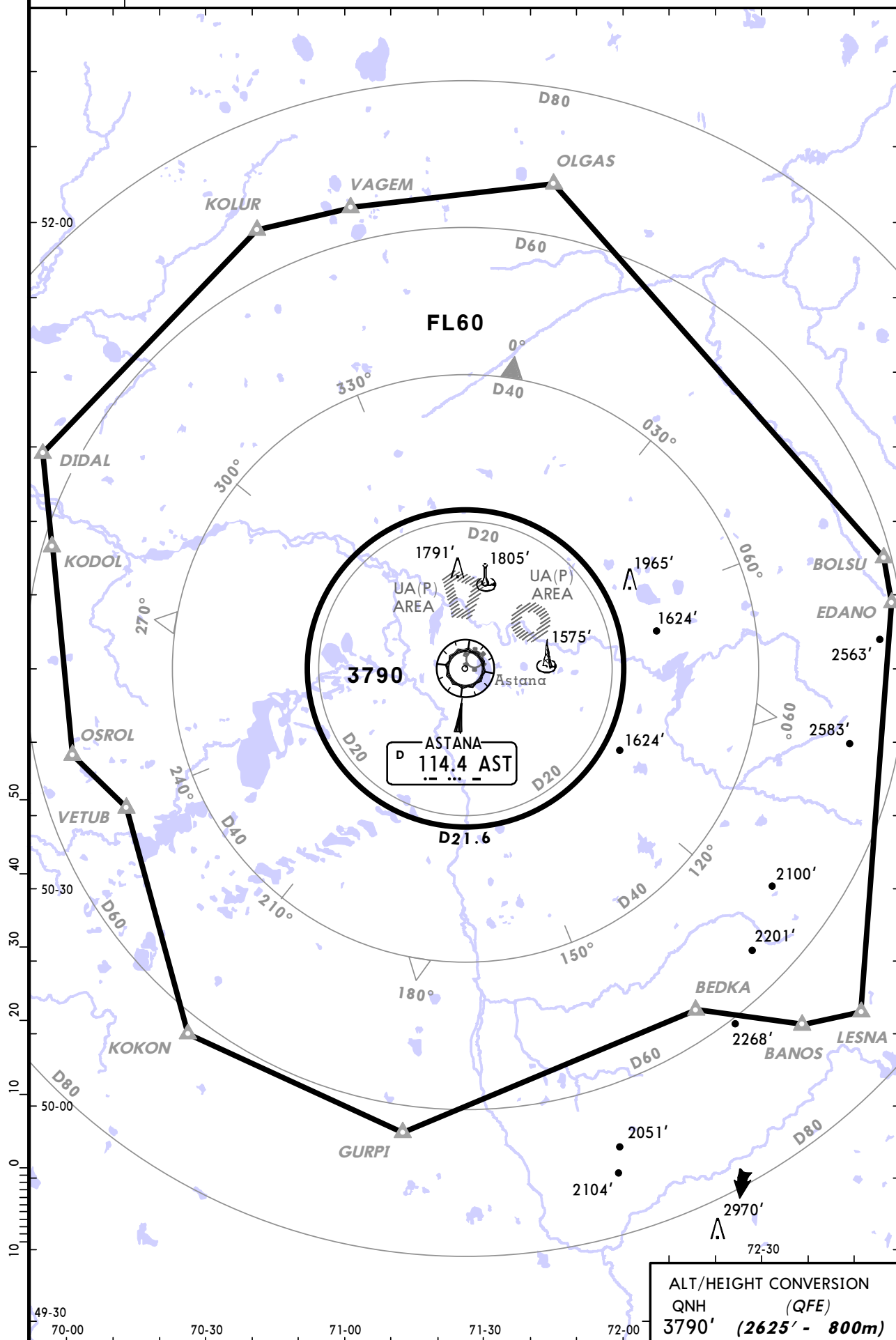
ATIS 128.3 Non-English
ATIS 127.7
Astana Tower 118.7
Astana Tower Ground Control 119.6
Astana Approach Control 124.6 Non-English
Astana Radar 120.7

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.



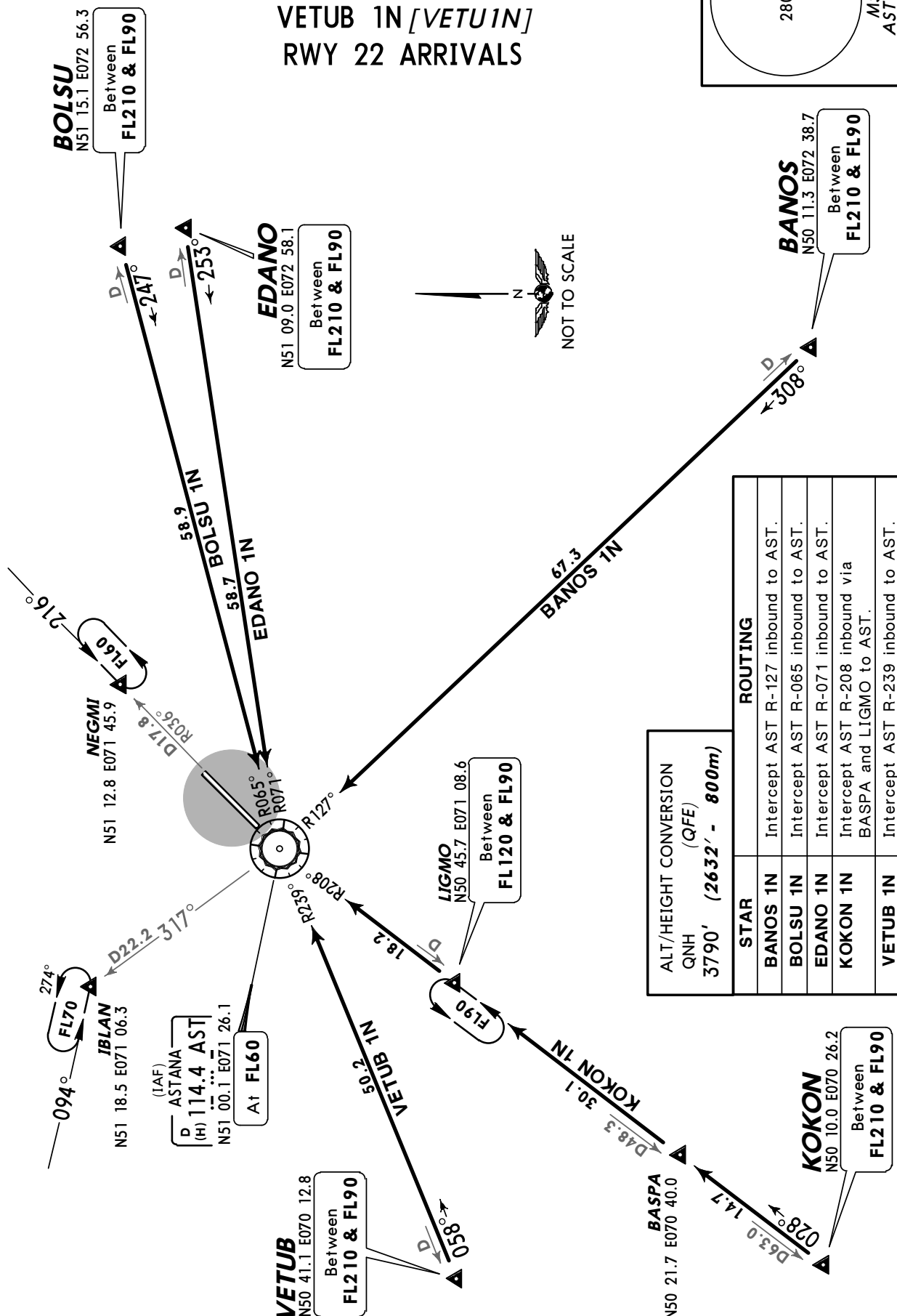
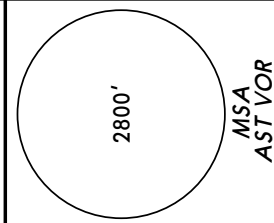
ATIS
127.7
(Russian 128.3)

Apt Elev
1165'

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

(QFE)

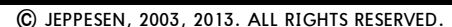
BANOS 1N[BANO1N], BOLSU 1N[BOLS1N]
EDANO 1N[EDAN1N], KOKON 1N[KOKO1N]
VETUB 1N[VETU1N]
RWY 22 ARRIVALS



STAR	ROUTING
BANOS 1N	Intercept AST R-127 inbound to AST.
BOLSU 1N	Intercept AST R-065 inbound to AST.
EDANO 1N	Intercept AST R-071 inbound to AST.
KOKON 1N	Intercept AST R-208 inbound via BASPA and LIGMO to AST.
VETUB 1N	Intercept AST R-239 inbound to AST.

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

(QFE)

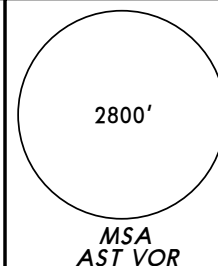


ATIS
127.7 (Russian 128.3)

Apt Elev
1165'

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

DIDAL 1N [DIDA 1N], OLGAS 1N [OLGA 1N]
VAGEM 1N [VAGE 1N]
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



DIDAL
N51 29.1 E069 54.9

Between
FL210 & FL90

ASDET
N51 16.5 E071 39.8

At or above
FL70

094°
FL70
IBLAN
N51 18.5 E071 06.3

NEGMI
N51 12.8 E071 45.9

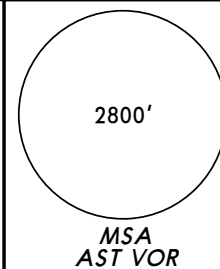
ALT/HEIGHT CONVERSION
QNH (QFE)
3790' (2632' - 800m)

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

STAR	ROUTING
DIDAL 1N	Intercept AST R-288 inbound to AST.
OLGAS 1N	On 174° track to ASDET, turn RIGHT, intercept AST R-019 inbound to AST.
VAGEM 1N	On 142° track to ASDET, turn RIGHT, intercept AST R-019 inbound to AST.

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')

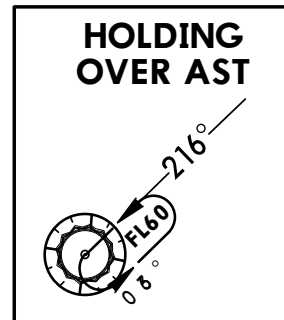
KODOL 1S [KODO1S], KODOL 1T [KODO1T]
KOLUR 1S [KOLU1S], VAGEM 1S [VAGE1S]
VETUB 1S [VETU1S]
RWY 04 ARRIVALS



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 & FL110
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

APTUS
N50 56.0 E070 46.0
At or above
FL70

VETUB
N50 41.1 E070 12.8
Between
FL210 & FL90

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

STAR	ROUTING
KODOL 1S	Intercept AST R-278 inbound to AST.
KODOL 1T	114° track to APTUS, turn LEFT, intercept AST R-252 inbound to AST.
KOLUR 1S	On 150° track to IBLAN, turn LEFT, intercept AST R-317 inbound to AST.
VAGEM 1S	On 167° track to IBLAN, turn LEFT, intercept AST R-317 inbound to AST.
VETUB 1S	Intercept AST R-239 inbound to AST.

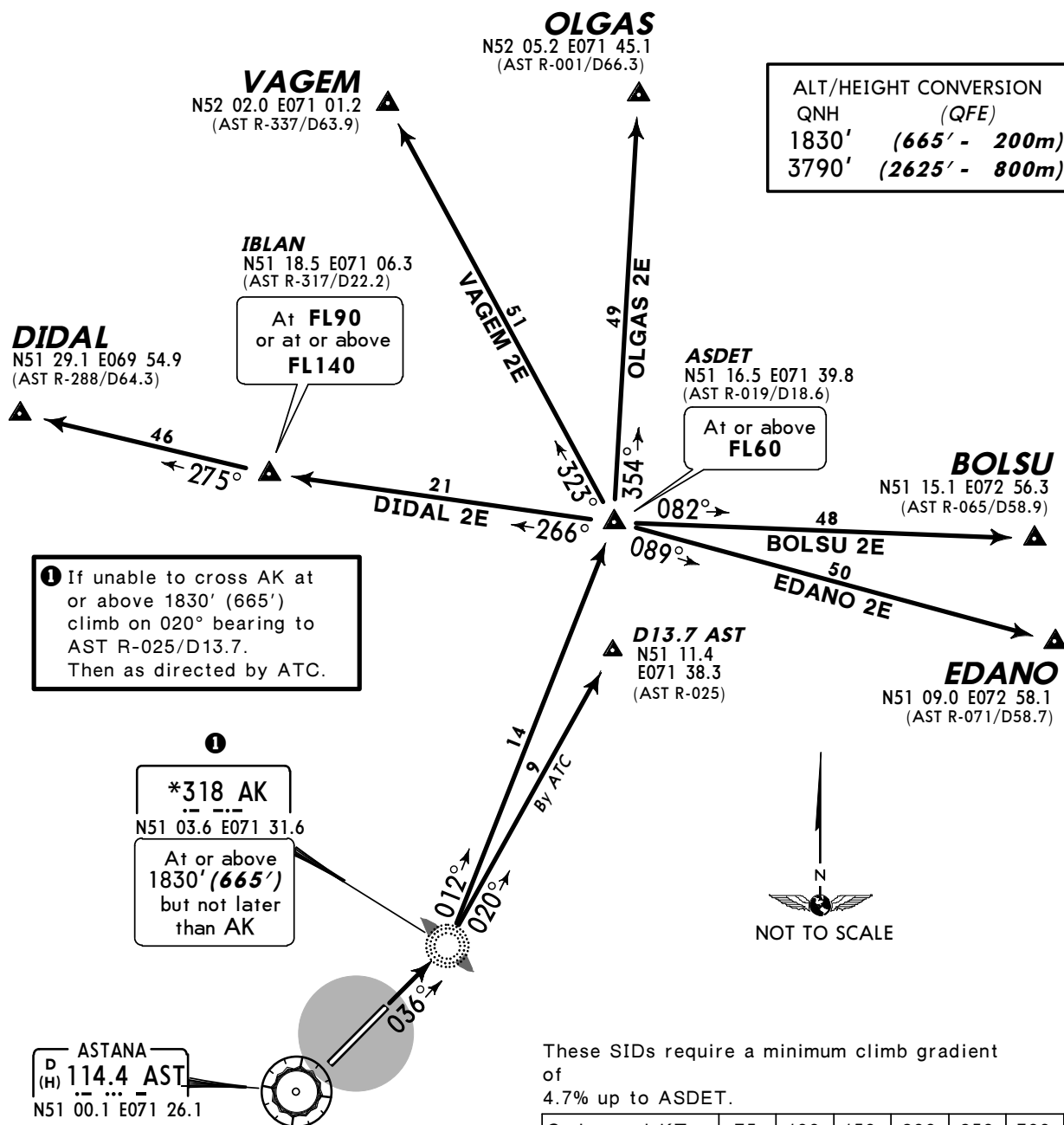
Apt Elev
1165'QNH on request (QFE)
Trans level: FL60 Trans alt: 3790' (2625')

2800'

MSA
AST VOR

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

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



These SIDs require a minimum climb gradient of 4.7% up to ASDET.

Gnd speed-KT	75	100	150	200	250	300
4.7% V/V (fpm)	357	476	714	952	1190	1428

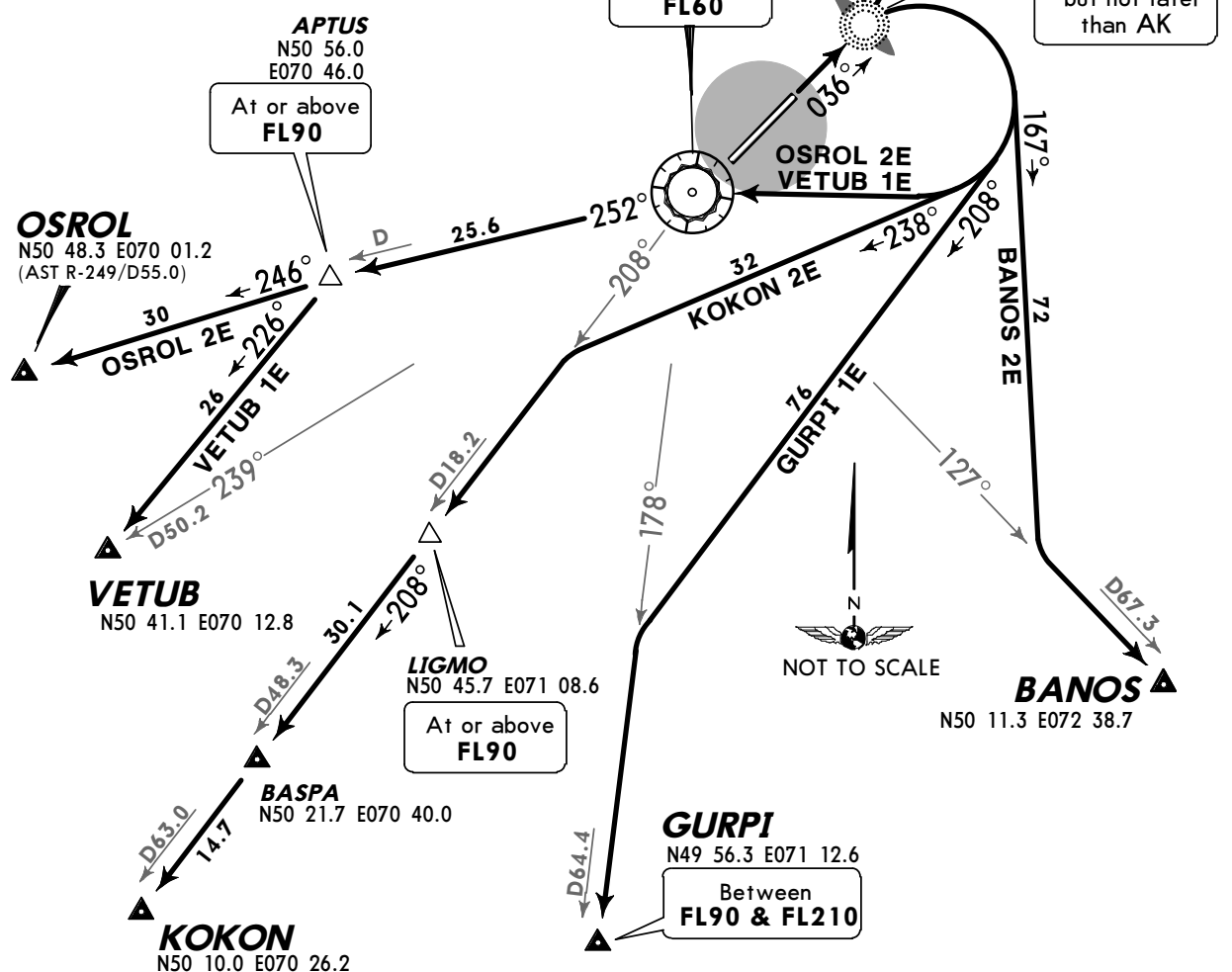
SID	ROUTING
BOLSU 2E	Climb straight ahead, at or above 1830' (665'), but not later than AK turn LEFT, 012° track to ASDET, turn RIGHT, 082° track to BOLSU.
DIDAL 2E	Climb straight ahead, at or above 1830' (665'), but not later than AK turn LEFT, 012° track to ASDET, turn LEFT, 266° track to IBLAN, turn RIGHT, 275° track 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')

2800'

MSA
AST VORBANOS 2E [BANO2E], GURPI 1E [GURP1E]
KOKON 2E [KOKO2E], OSROL 2E [OSRO2E]
VETUB 1E [VETU1E]
RWY 04 DEPARTURES

① If unable to cross AK at
or above 1830' (665')
climb on 020° bearing to
AST R-025/D13.7.
Then as directed by ATC.



These SIDs require a minimum climb gradient
of
4.7% up to AK.

Gnd speed-KT	75	100	150	200	250	300
4.7% V/V (fpm)	357	476	714	952	1190	1428

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

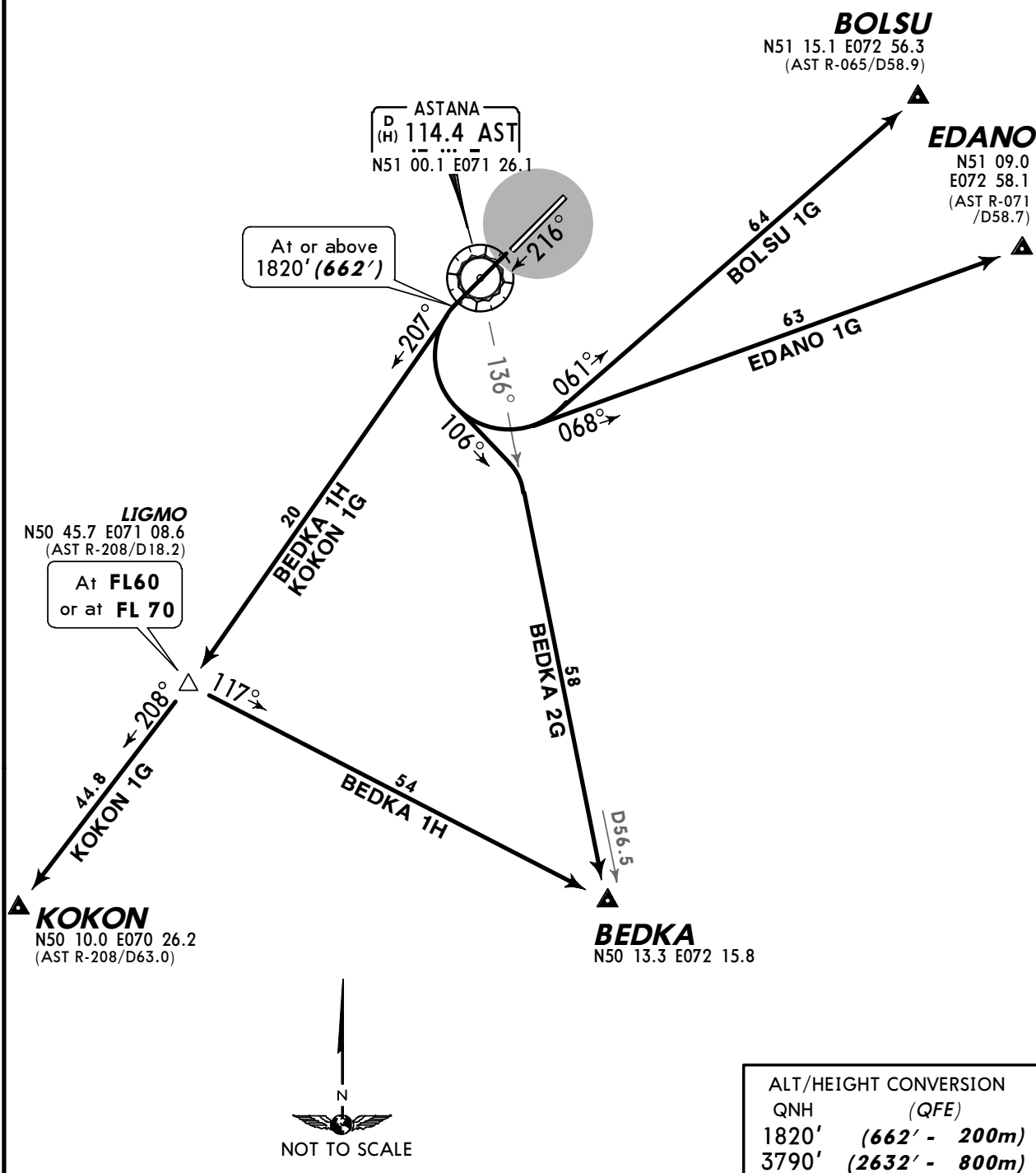
SID	ROUTING
BANOS 2E	Climb straight ahead, at or above 1830' (665'), but not later than AK turn RIGHT, 167° track, intercept AST R-127 to BANOS.
GURPI 1E	Climb straight ahead, at or above 1830' (665'), but not later than AK turn RIGHT, 208° track, intercept AST R-178 to GURPI.
KOKON 2E	Climb straight ahead, at or above 1830' (665'), but not later than AK turn RIGHT, 238° track, intercept AST R-208 to LIGMO, 208° track via BASPA 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')

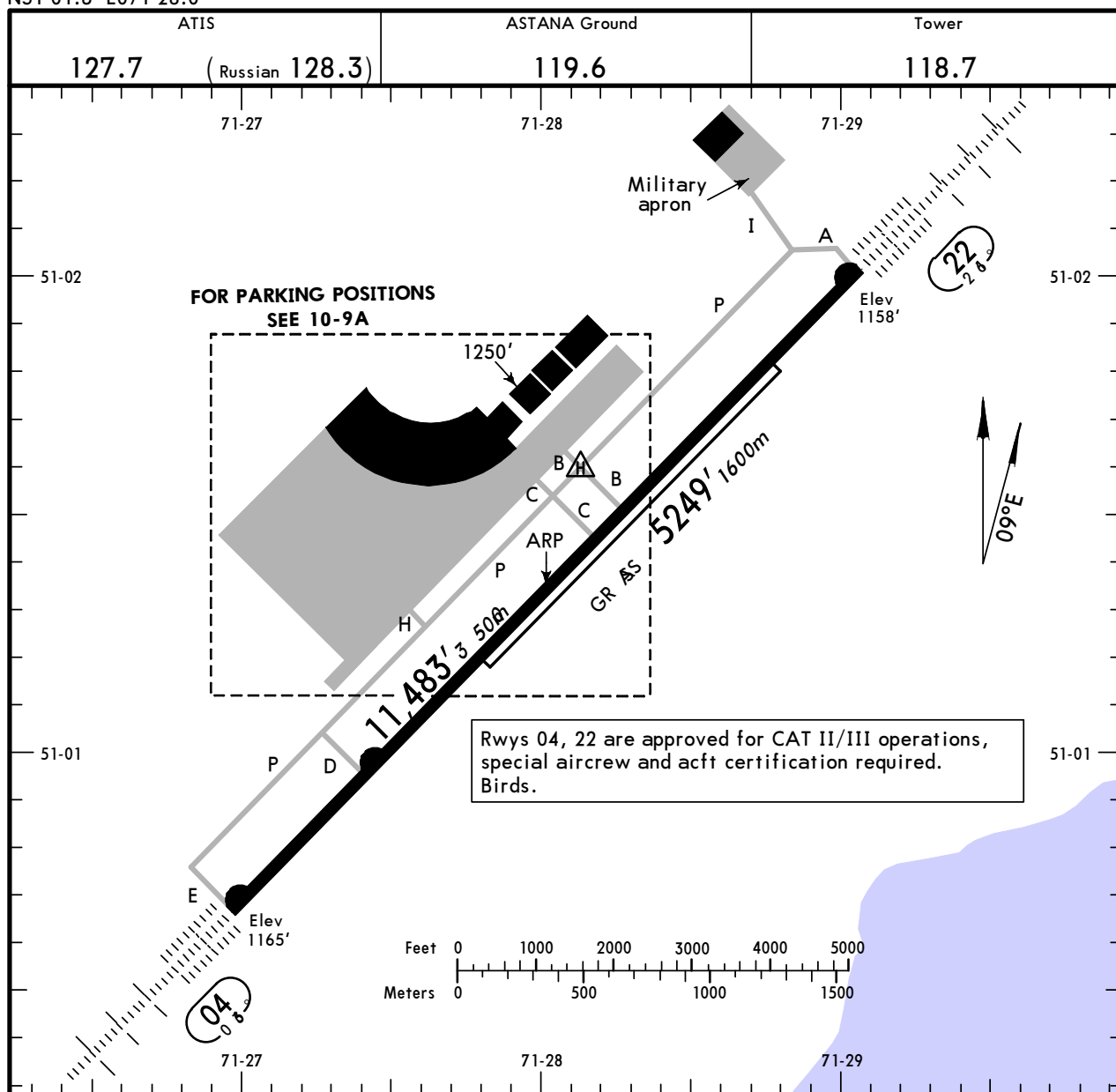
2800'

MSA
AST VOR

BEDKA 2G [BEDK2G], BEDKA 1H [BEDK1H]
BOLSU 1G [BOLS1G], EDANO 1G [EDAN1G]
KOKON 1G [KOKO1G]
RWY 22 DEPARTURES



SID	ROUTING
BEDKA 2G	Climb to at or above 1820' (662'), turn LEFT, 106° track, intercept AST R-136 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, 208° track to KOKON.



ADDITIONAL RUNWAY INFORMATION

RWY			USABLE LENGTHS		TAKE-OFF	WIDTH
			Threshold	Landing Beyond		
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

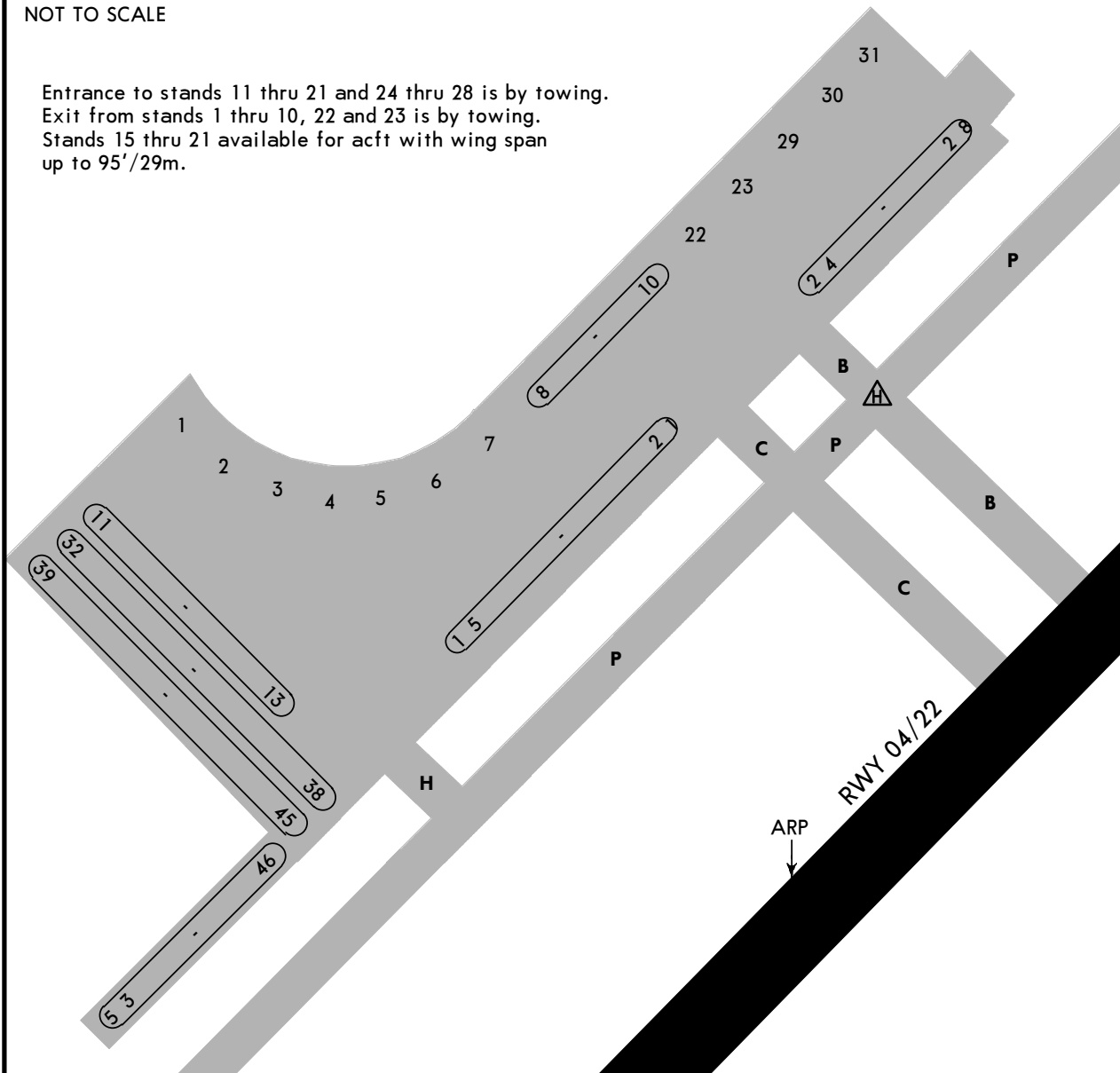
AIR CARRIER (JAA) Main rwy 04/22				
	DAY		NIGHT	
	LVP must be in force ① RL & CL	RL	LVP must be in force ① RL & CL	RL
A				
B	200m	400m ②	200m	400m ②
C				
D	250m (200m)		250m (200m)	400m

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')
	ALS out	900m	1000m	1000m	1400m
		1500m	1500m	1600m	1600m
	2 NDB ❶❸	1510' (352')	1510' (352')	1510' (352')	1510' (352')
	ALS out	1000m	1000m	1200m	1400m
		1600m	1600m	1600m	1600m

❶ Continuous Descent Final Approach.

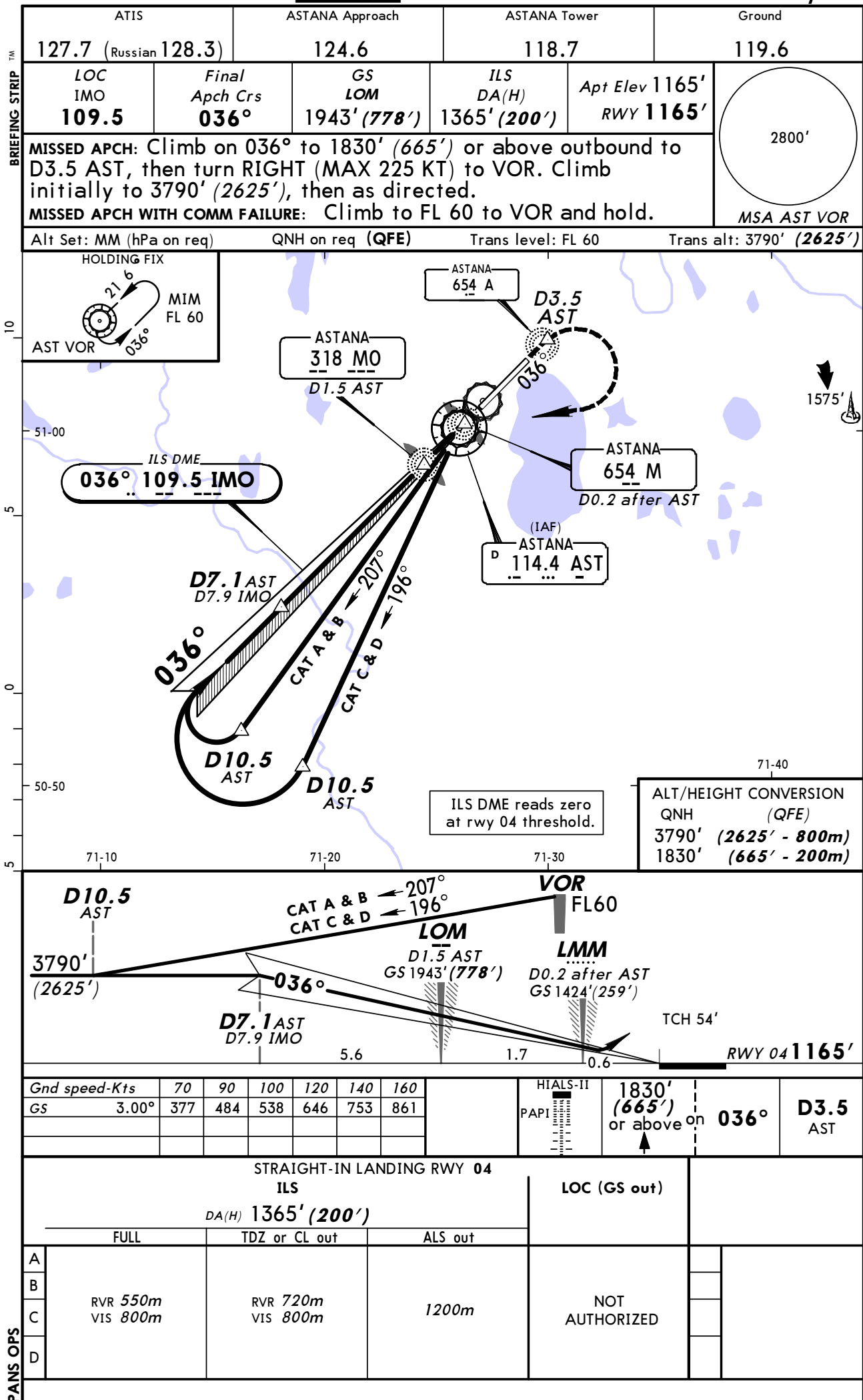
❷ with FMS.

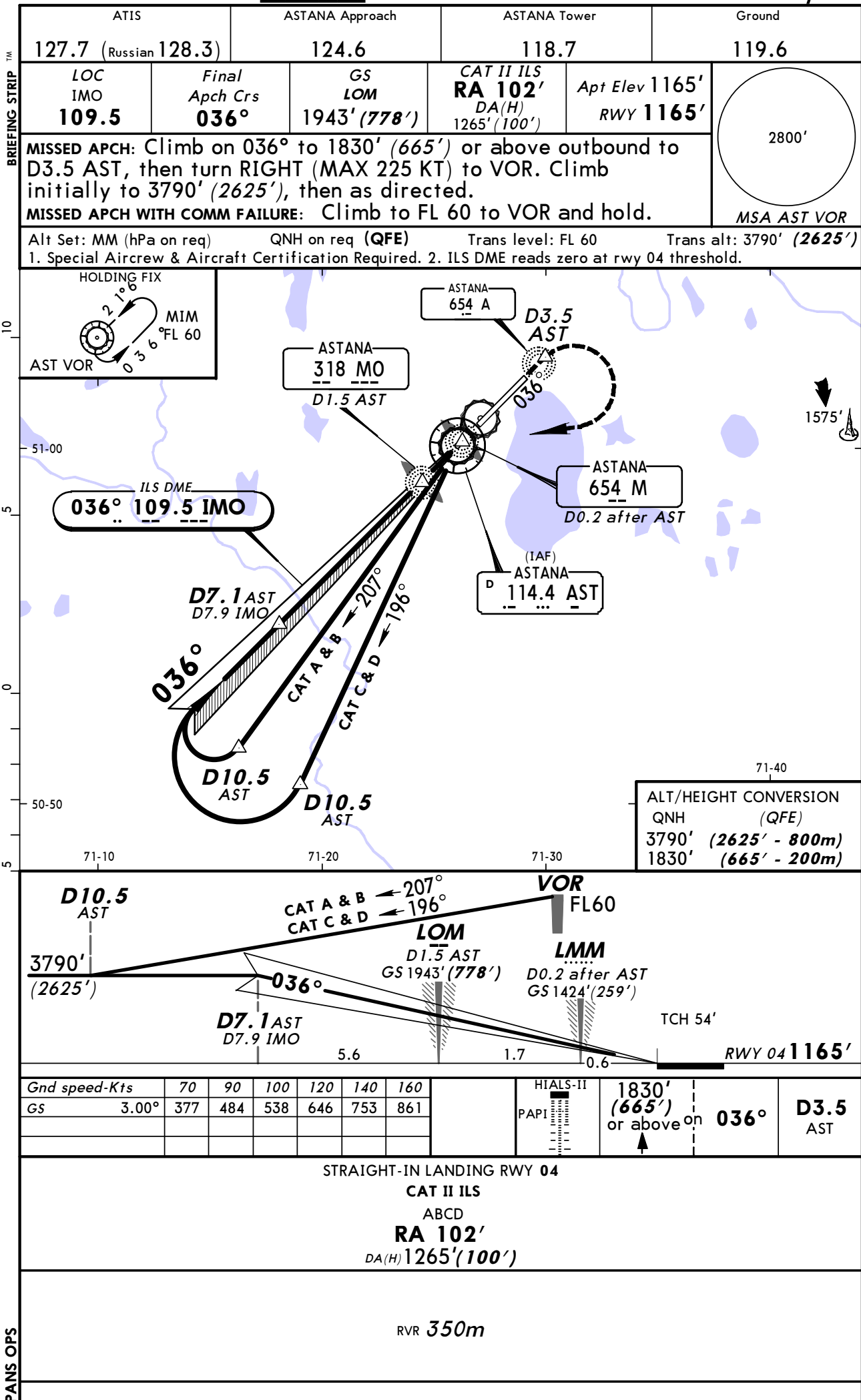
❸ w/o FMS.

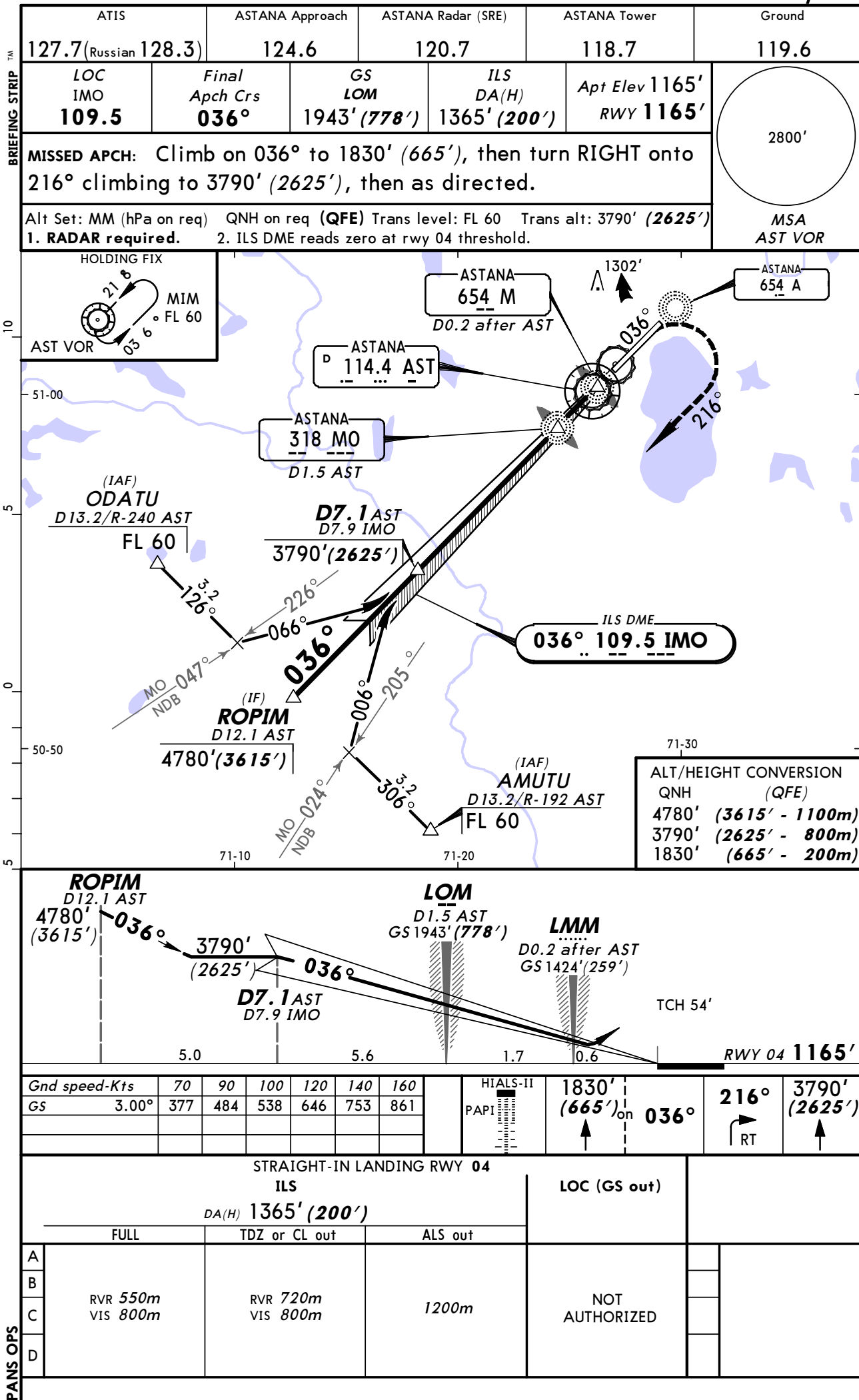
TAKE-OFF RWY 04, 22

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	200m	200m	400m ❺	500m	200m	200m	400m ❺
B							400m
C							
D							
		250m	500m			250m	

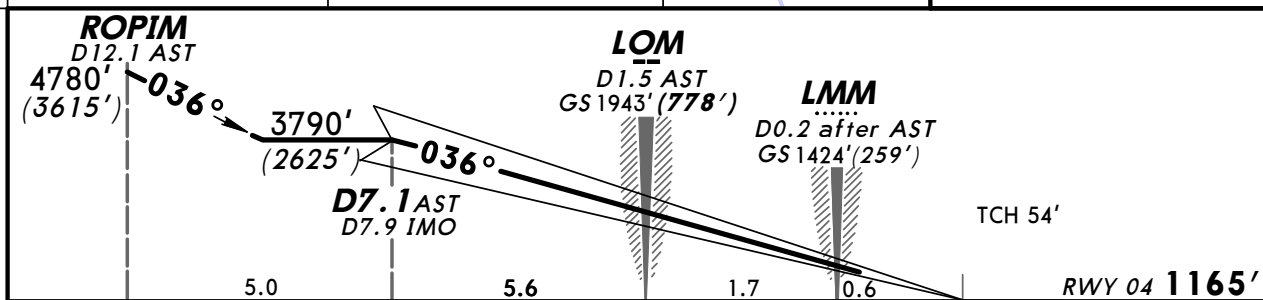
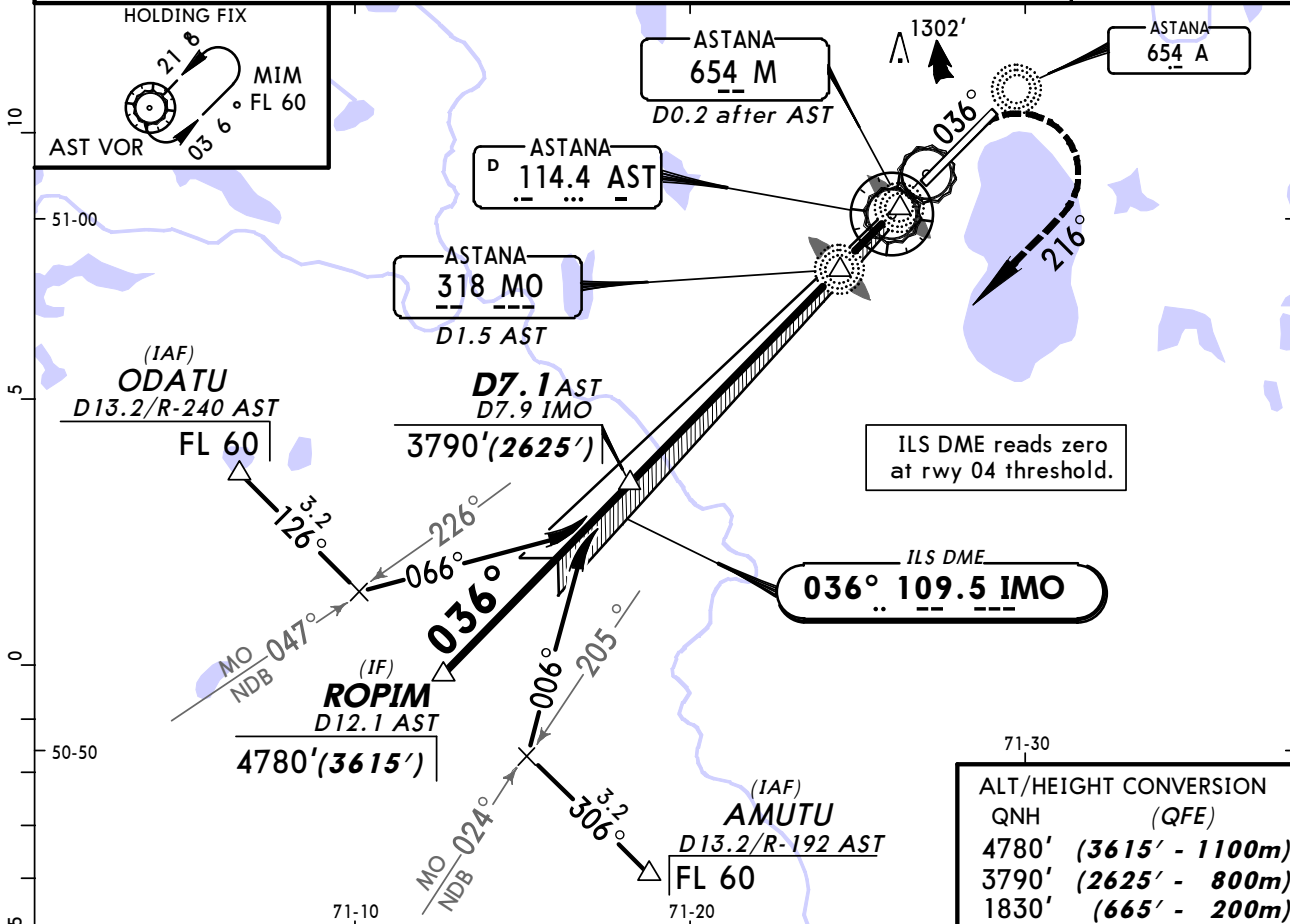
❹ For conditions with braking coefficient not less than 0.5 and cross wind component not more than half maximum allowed for acft type. ❺ LVP must be in force: 300m.







ATIS	ASTANA Approach	ASTANA Radar (SRE)	ASTANA Tower	Ground
127.7 (Russian 128.3)	124.6	120.7	118.7	119.6
LOC IMO 109.5	Final Apch Crs 036°	GS LOM 1943' (778')	CAT II ILS RA 102' DA(H) 1265' (100')	Apt Elev 1165' RWY 1165'
MISSED APCH: Climb on 036° to 1830' (665'), then turn RIGHT onto 216° climbing to 3790' (2625'), then as directed.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 3790' (2625') 1. RADAR required. 2. Special Aircrew & Aircraft Certification Required.				
				2800' MSA AST VOR

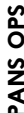
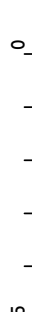


Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	1830' (665') on 036°	216°	3790' (2625')
GS	3.00°	377	484	538	646	753	861		RT	

STRAIGHT-IN LANDING RWY 04
CAT II ILS
ABCD
RA 102'
DA(H) 1265' (100')

RVR **350m**

ASTANA, KAZAKHSTAN
ILS DME Z Rwy 22

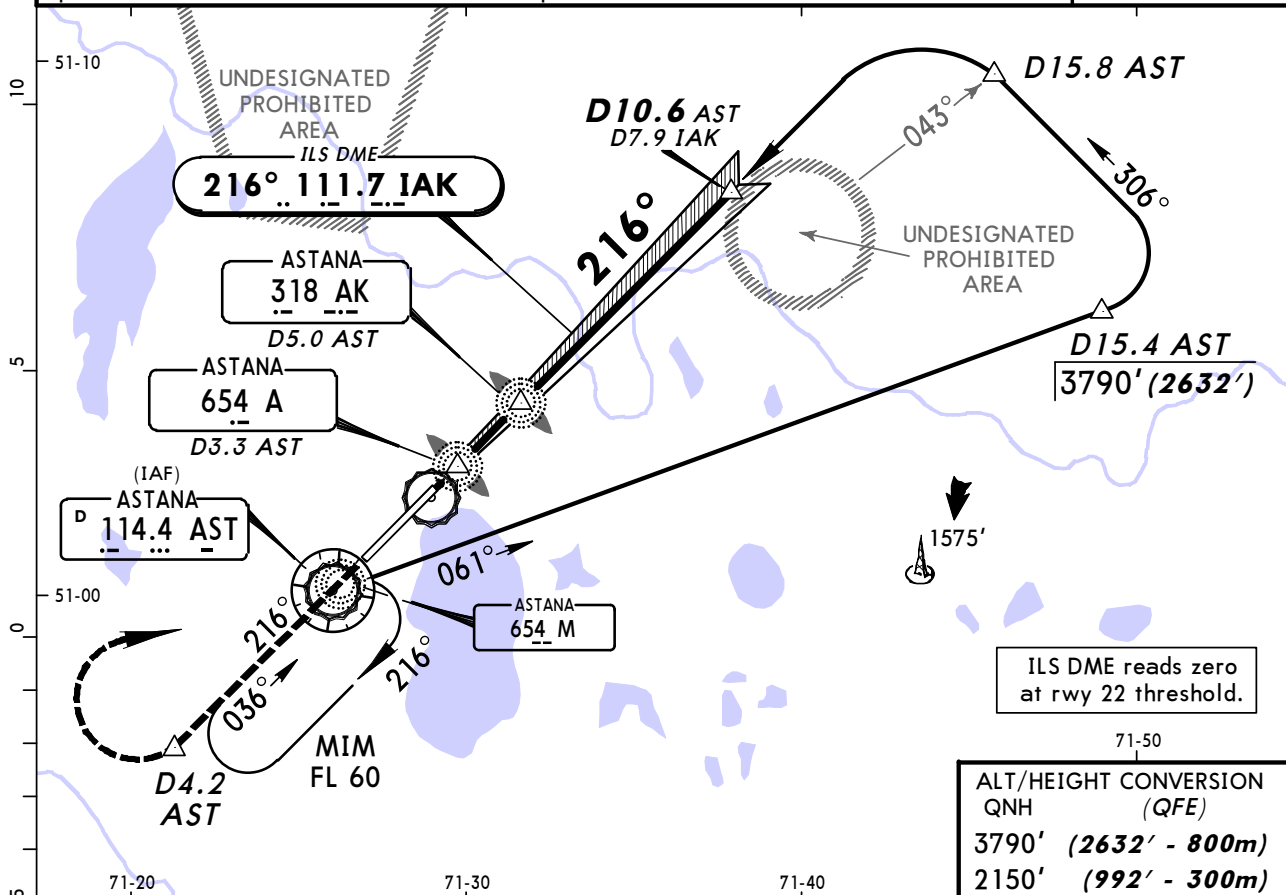
BRIEFING STRIP™

PANS OPS

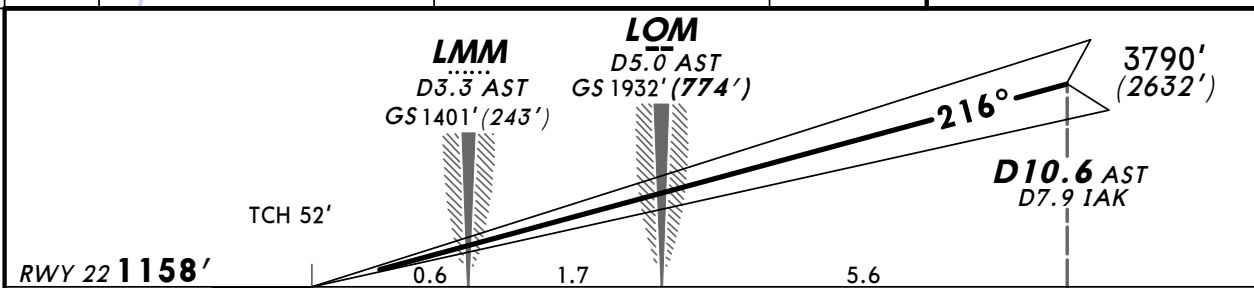
PANS OPS

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BRIEFING STRIP TM	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.								



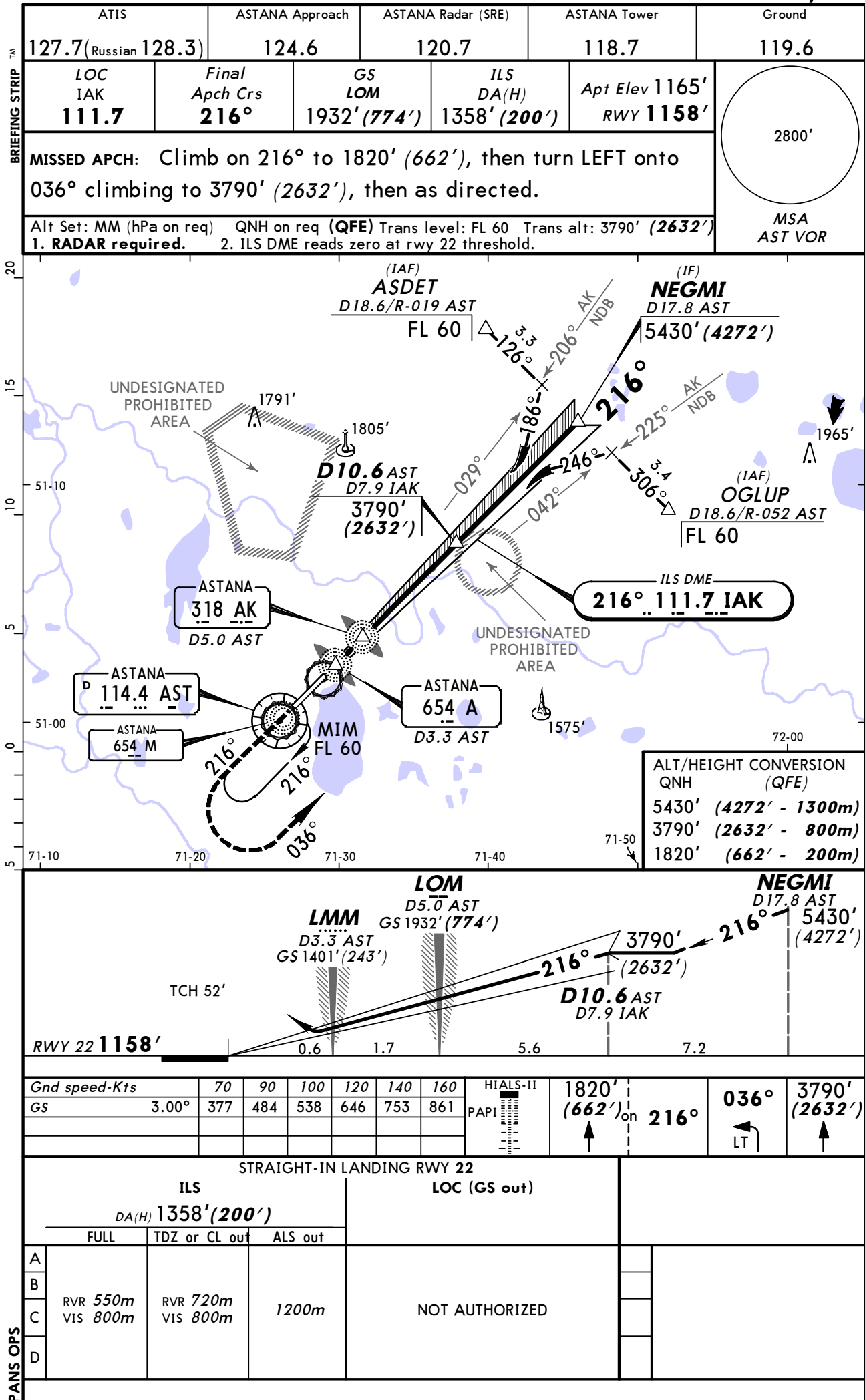
ALT/HEIGHT CONVERSION	
QNH	(QFE)
3790'	(2632' - 800m)
2150'	(992' - 300m)



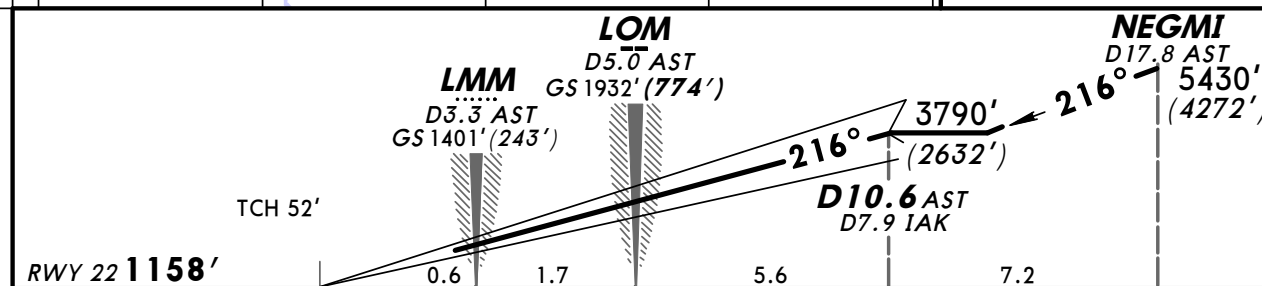
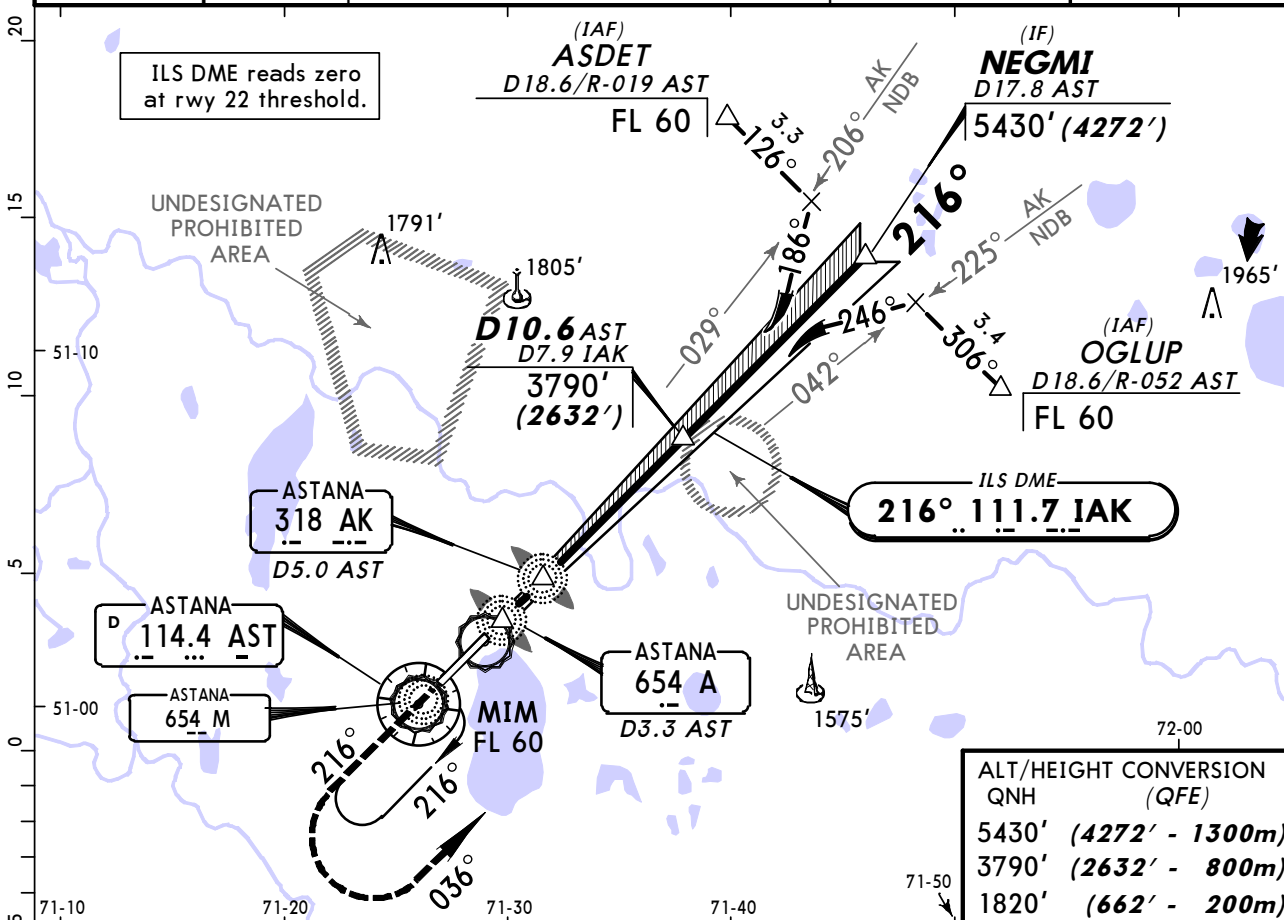
Gnd speed-Kts	70	90	100	120	140	160	HIALS-II PAPI		2150' (992') or above on	216°	D4.2 AST
GS 3.00°	377	484	538	646	753	861					

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

RVR 350m											
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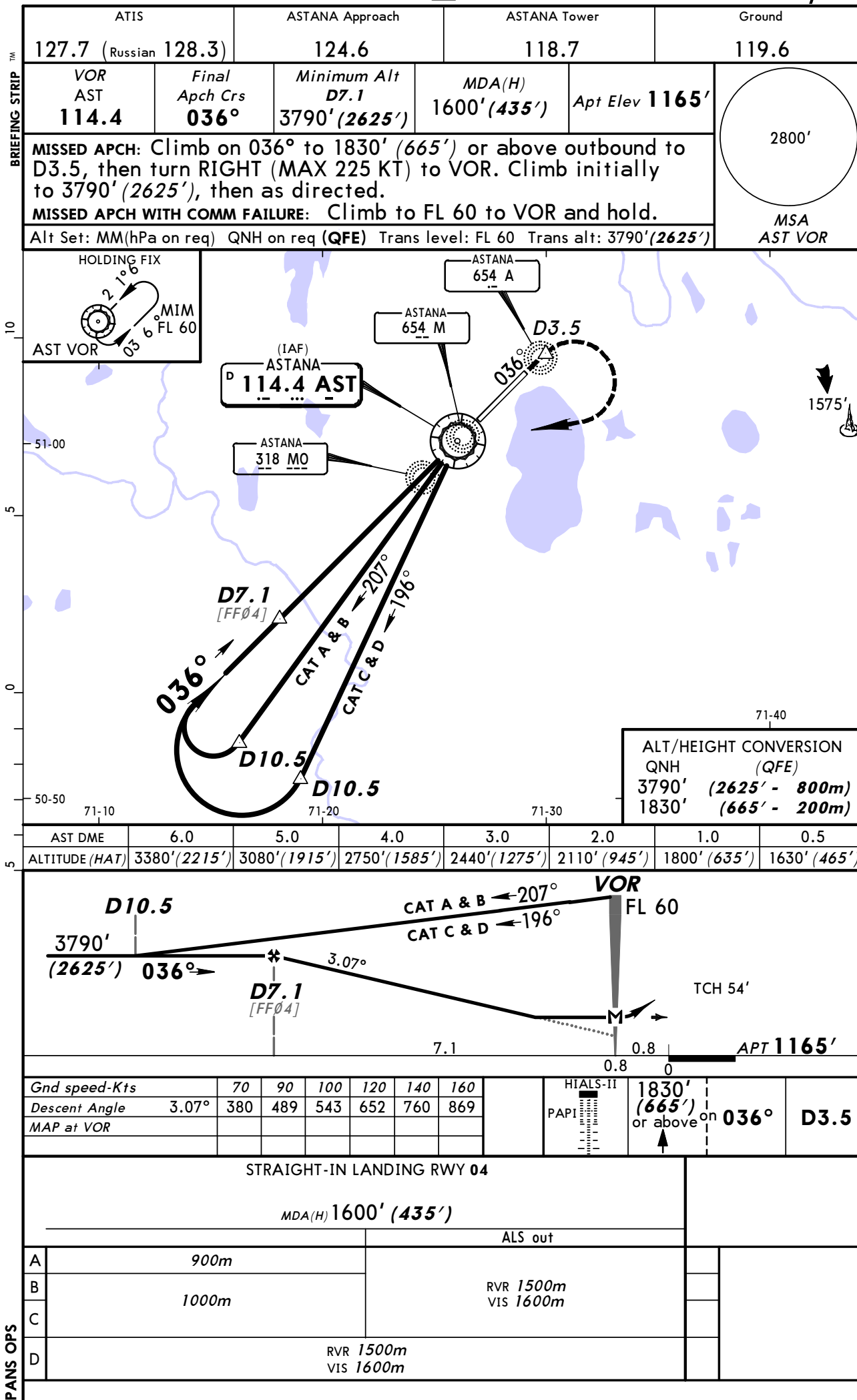
ATIS	ASTANA Approach	ASTANA Radar (SRE)	ASTANA Tower	Ground
127.7 (Russian 128.3)	124.6	120.7	118.7	119.6
LOC IAK 111.7	Final Apch Crs 216°	GS LOM 1932' (774')	CAT II ILS RA 105' DA(H) 1258' (100')	Apt Elev 1165' RWY 1158'
MISSED APCH: Climb on 216° to 1820' (662'), then turn LEFT onto 036° climbing 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. Special Aircrew & Aircraft Certification Required.				
				2800' MSA AST VOR

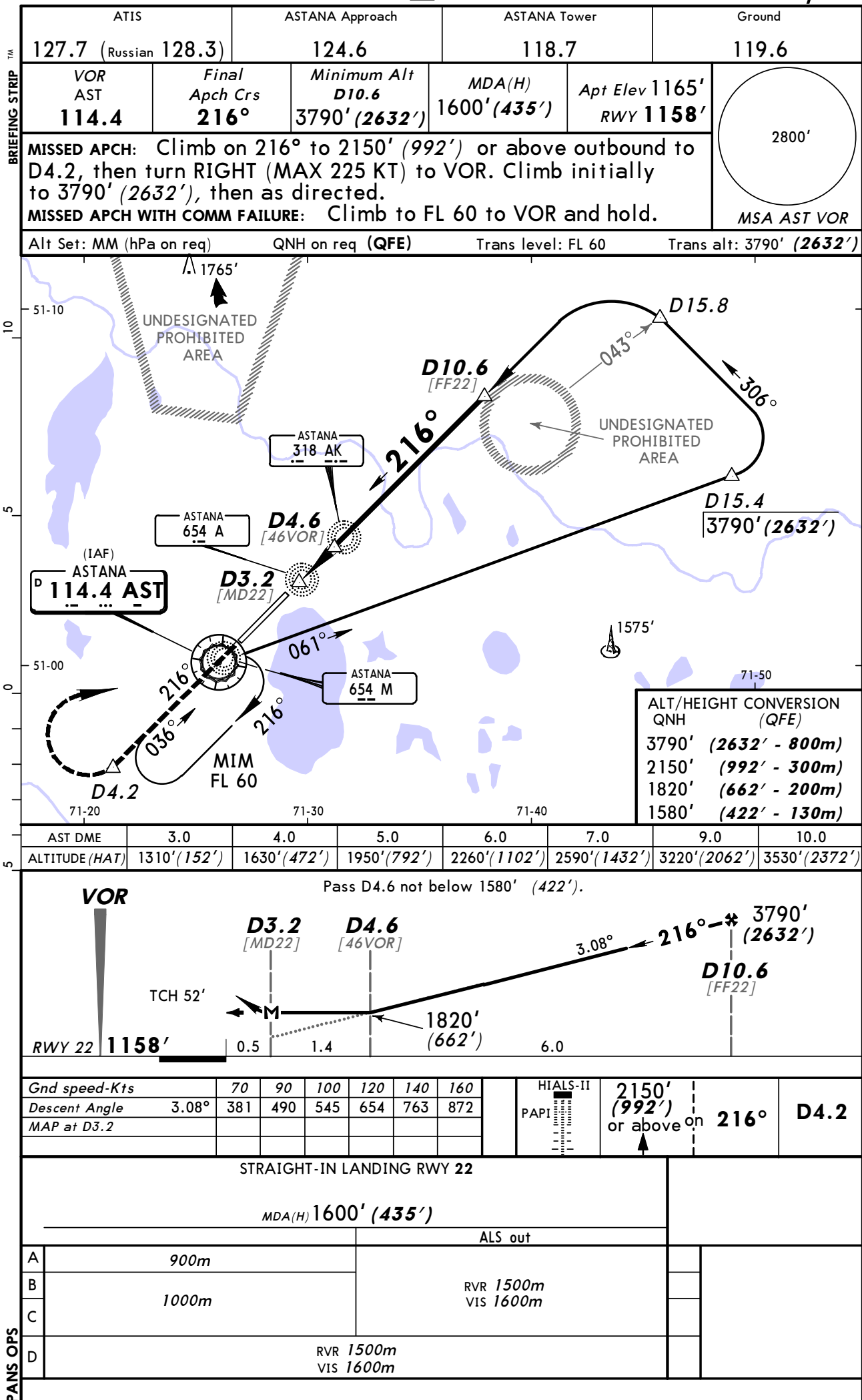


Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	1820' (662')	036°	3790' (2632')
GS	3.00°	377	484	538	646	753	861	↑	↑	↑

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

RVR 350m

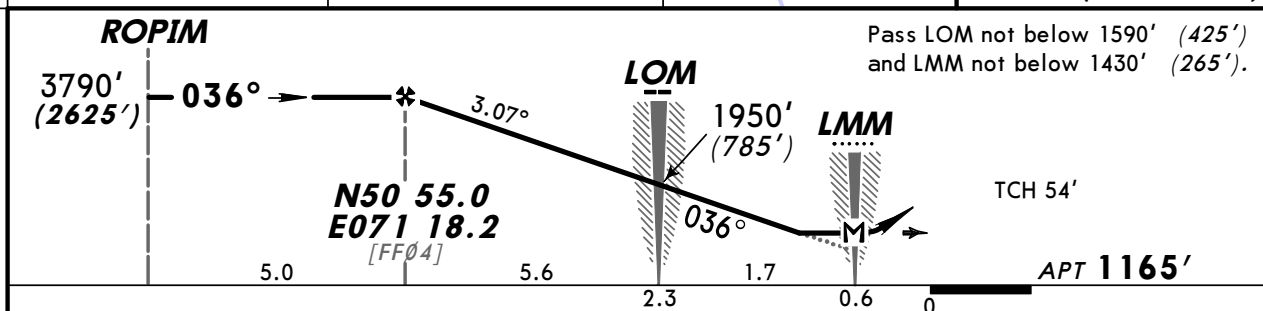
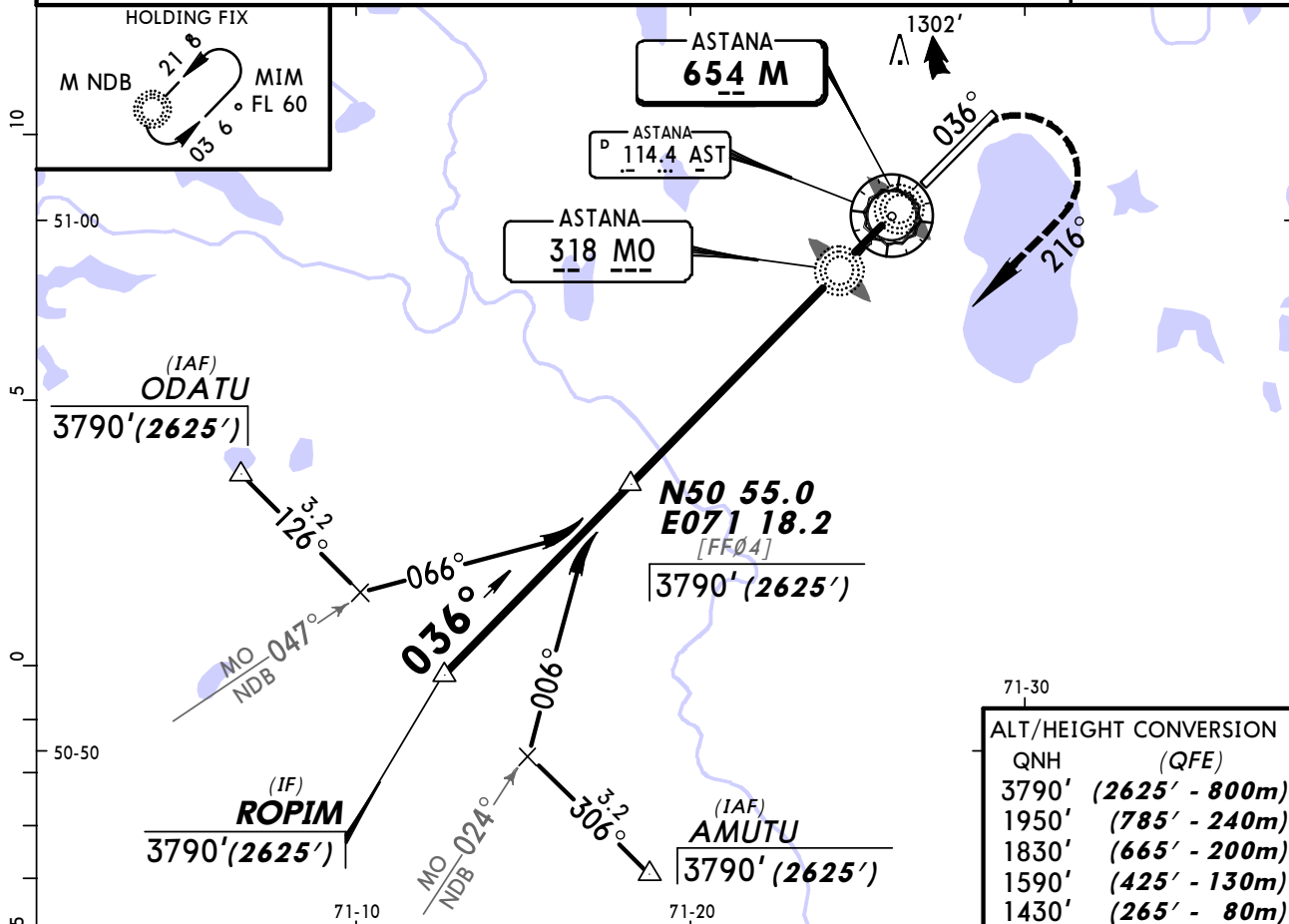




TM

BRIEFING STRIP

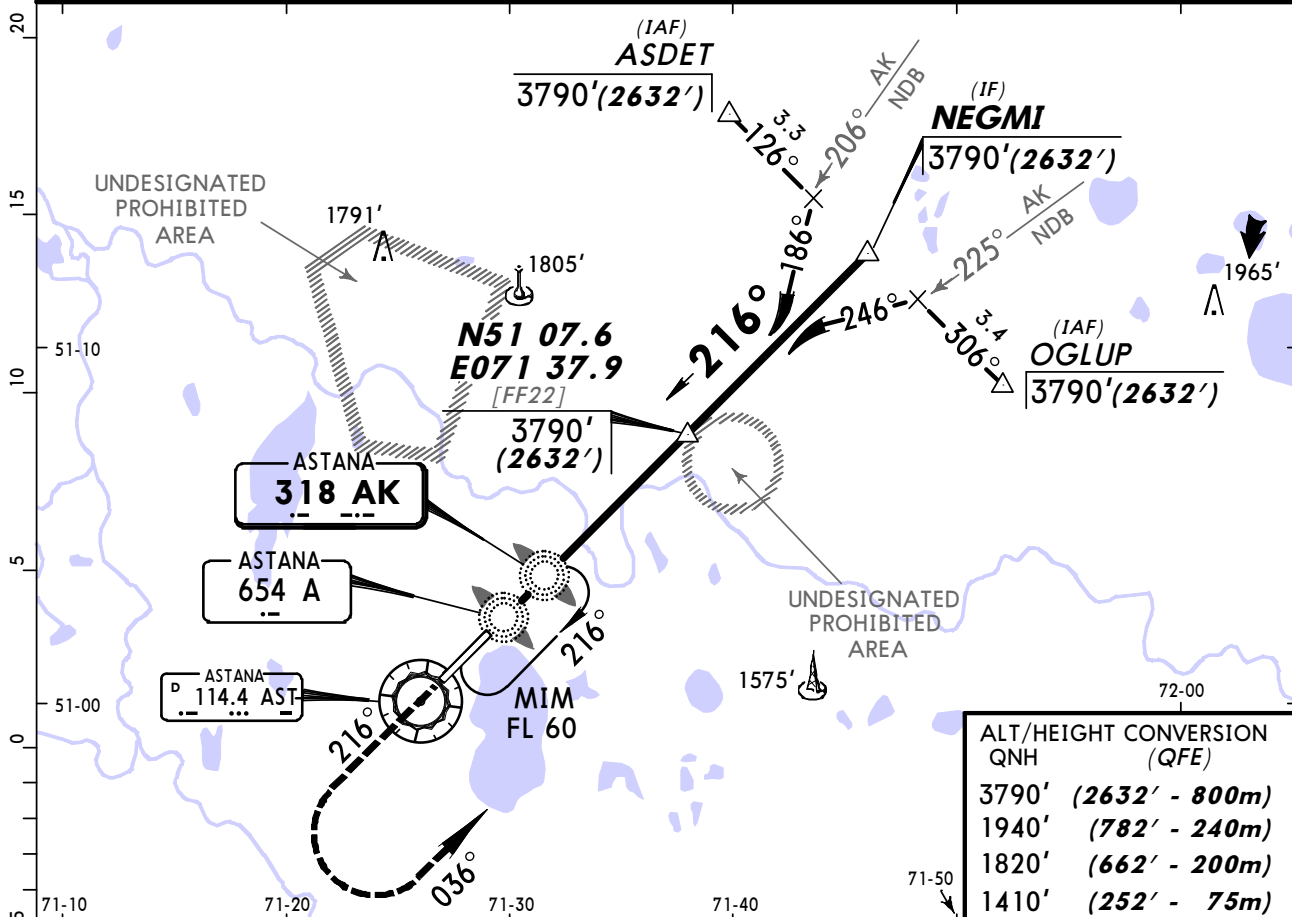
ATIS		ASTANA Approach		ASTANA Radar (SRE)		ASTANA Tower		Ground	
127.7(Russian 128.3)		124.6		120.7		118.7		119.6	
NDB M 654		Final Apch Crs 036°		Minimum Alt N50 55.0 E071 18.2 3790'(2625')		MDA(H) 1600'(435')		Apt Elev 1165'	
MISSED APCH: Climb on 036° to 1830'(665'), then turn RIGHT onto 216° climbing to 3790'(2625'), then as directed.								2800' MSA M NDB	
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 3790'(2625') RADAR required.									



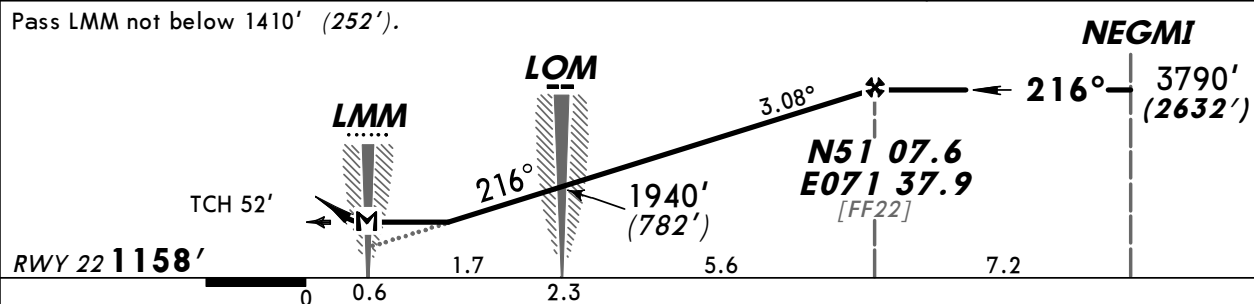
Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	1830' (665') on 036°	216° RT	3790' (2625')
Descent Angle	3.07°	380	489	543	652	760	869			
MAP at LMM										

STRAIGHT-IN LANDING RWY 04		ALS out	
MDA(H) 1600' (435')			
A			
B	1200m	RVR 1500m VIS 1600m	
C			
D	RVR 1500m VIS 1600m		

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'	2800'
MISSED APCH: Climb on 216° to 1820' (662'), then turn LEFT (MAX 225 KT) onto 036° climbing to 3790' (2632'), then as directed.				MSA AK NDB
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 Trans alt: 3790' (2632') RADAR required.				



Pass LMM not below 1410' (252').



Gnd speed-Kts	70	90	100	120	140	160
Descent Angle 3.08°	381	490	545	654	763	872
MAP at LMM						

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

Chart changes since cycle 16-2013

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

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
ASTANA, (ASTANA - UACC)				
REV	BANOS, BOLSU, EDANO, KOKO...	10-2	09 Aug 2013	22 Aug 2013
REV	BEDKA 1S & 1T, EDANO & KO...	10-2A	09 Aug 2013	22 Aug 2013
REV	DIDAL, OLGAS & VAGEM 1N A...	10-2B	09 Aug 2013	22 Aug 2013
REV	KODOL 1S & 1T, KOLUR, VAG...	10-2C	09 Aug 2013	22 Aug 2013
REV	ILS DME Y RWY 04	11-2	09 Aug 2013	22 Aug 2013
REV	CAT II ILS DME Y RWY 04	11-2A	09 Aug 2013	22 Aug 2013
REV	ILS DME Y RWY 22	11-4	09 Aug 2013	22 Aug 2013
REV	CAT II ILS DME Y RWY 22	11-4A	09 Aug 2013	22 Aug 2013

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport UACC