

UWKD/KZN
KAZAN

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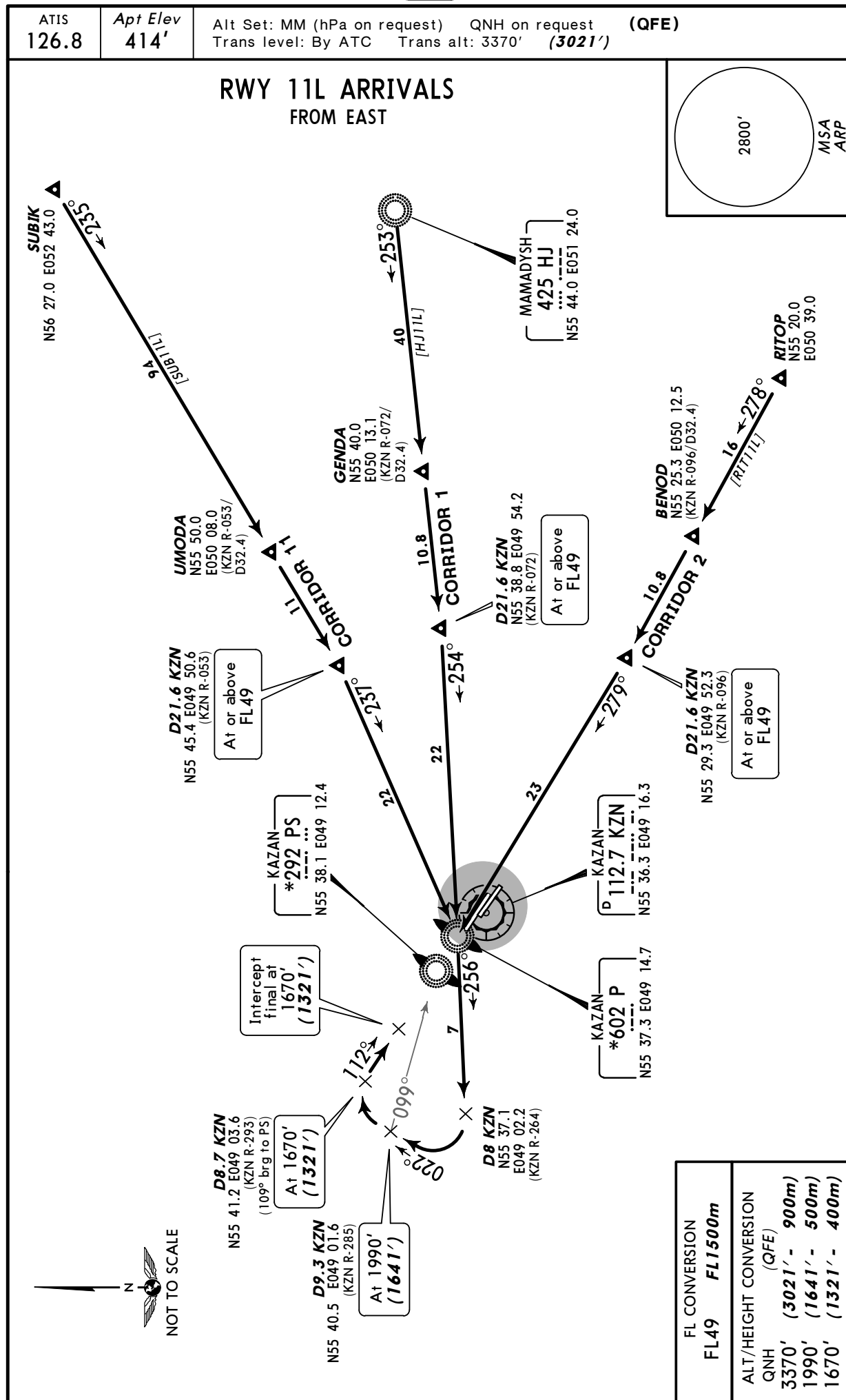
29 FEB 08

10-2

Eff 13 Mar

KAZAN, RUSSIA

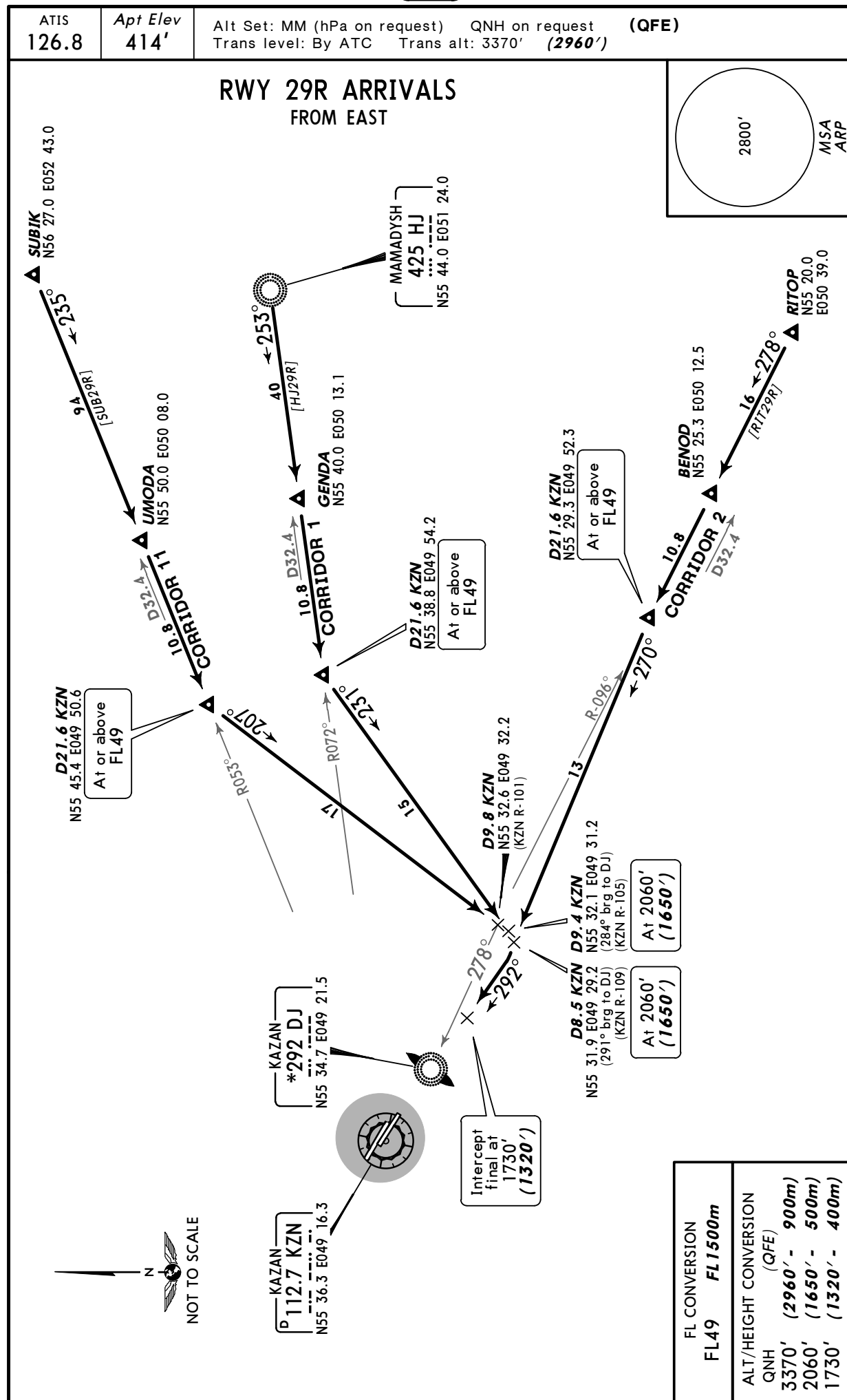
STAR



UWKD/KZN
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 29 FEB 08 10-2A Eff 13 Mar

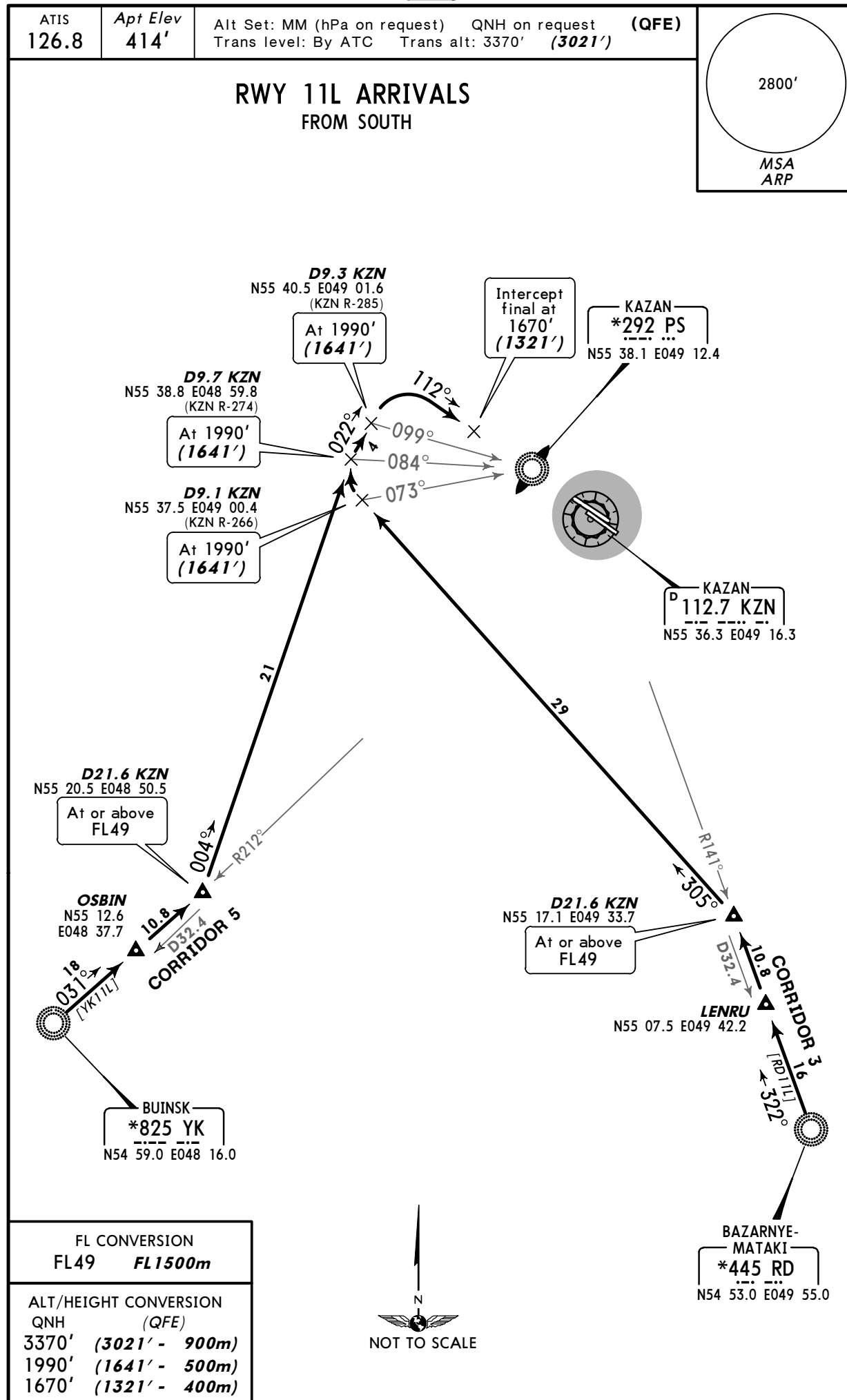
KAZAN, RUSSIA
 STAR



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KAZAN

JEPPESEN
29 FEB 08 **10-2B** Eff 13 Mar

KAZAN, RUSSIA
STAR



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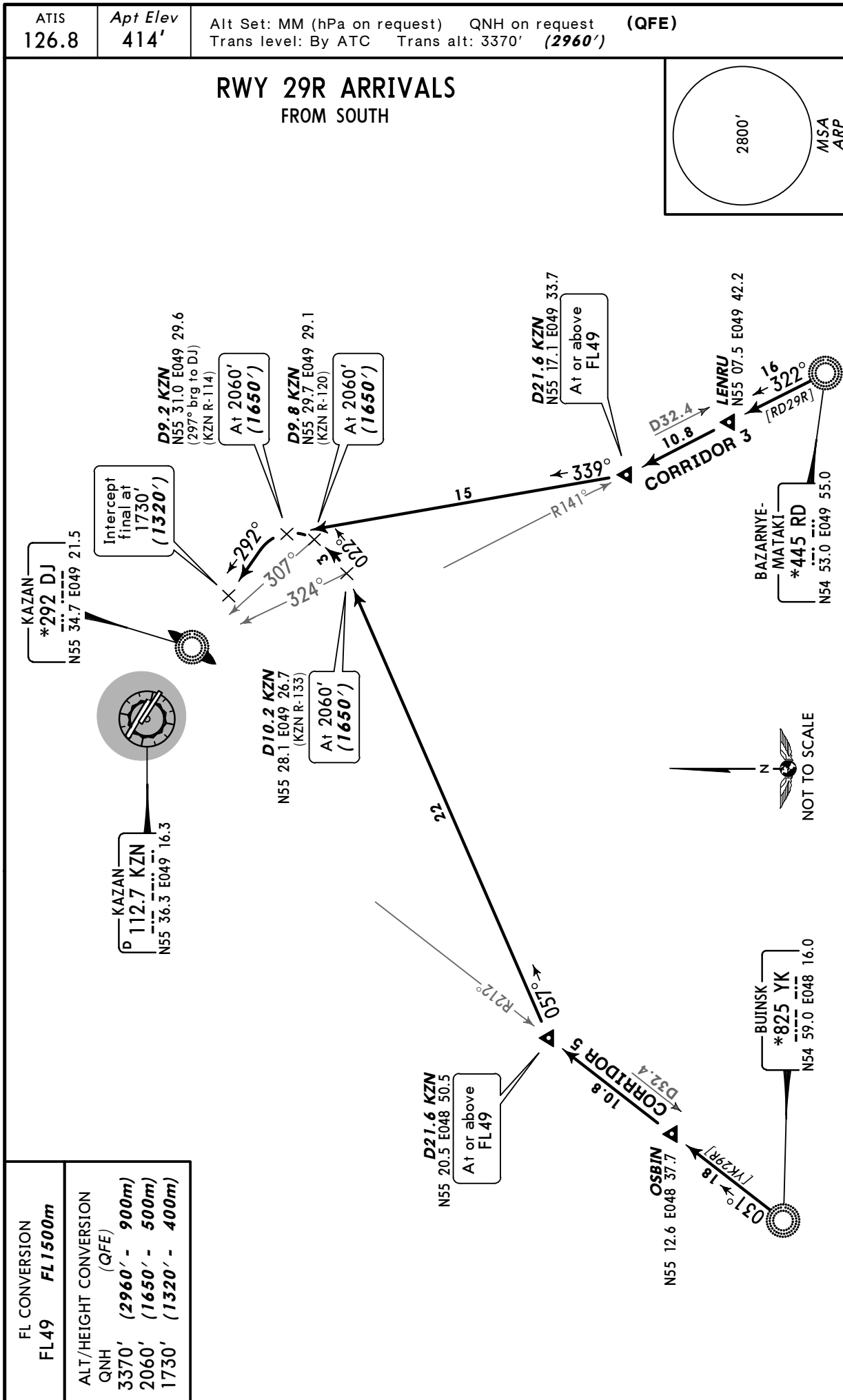
29 FEB 08

10-2C

Eff 13 Mar

KAZAN, RUSSIA

STAR



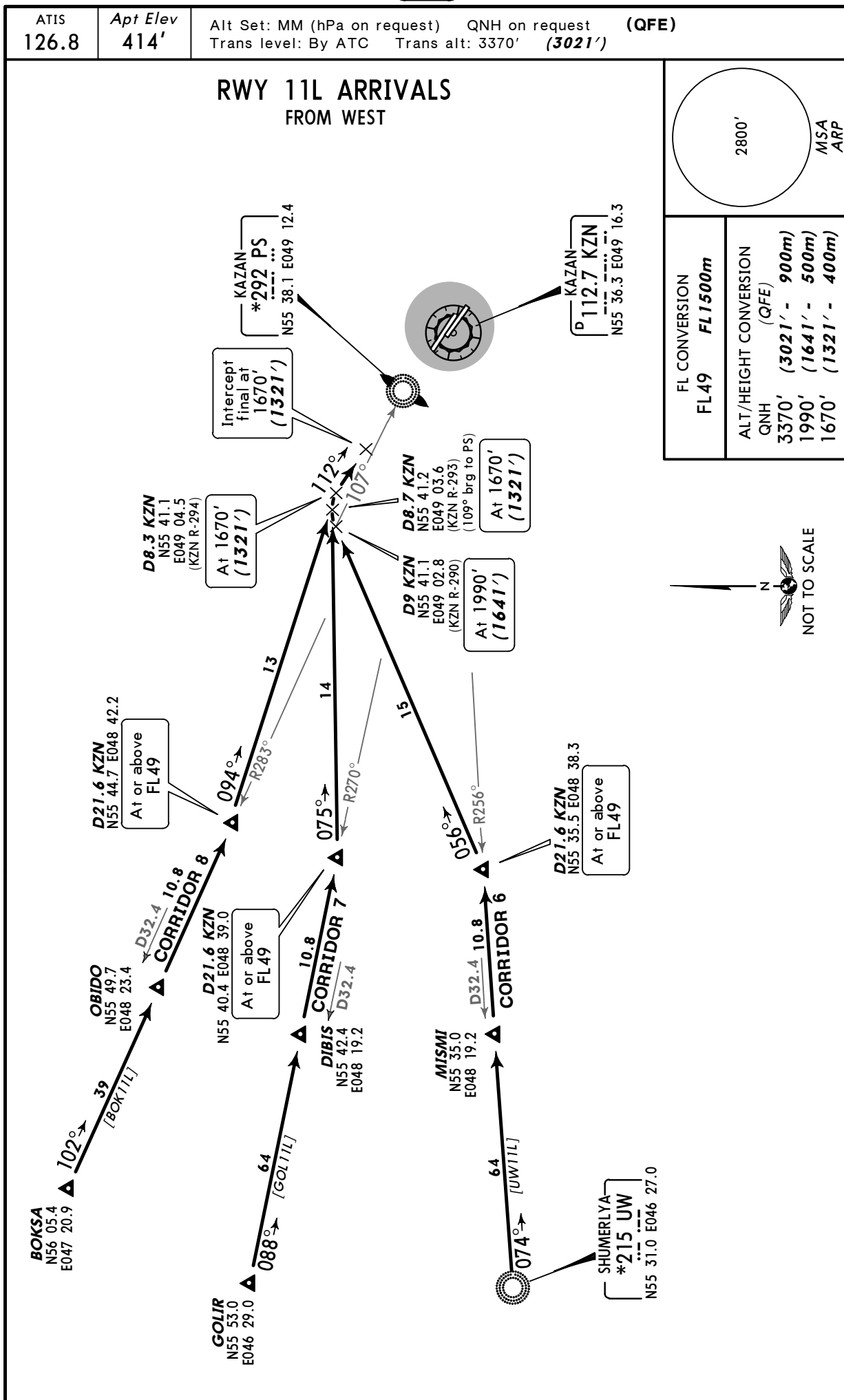
CHANGES: Arrivals transferred.

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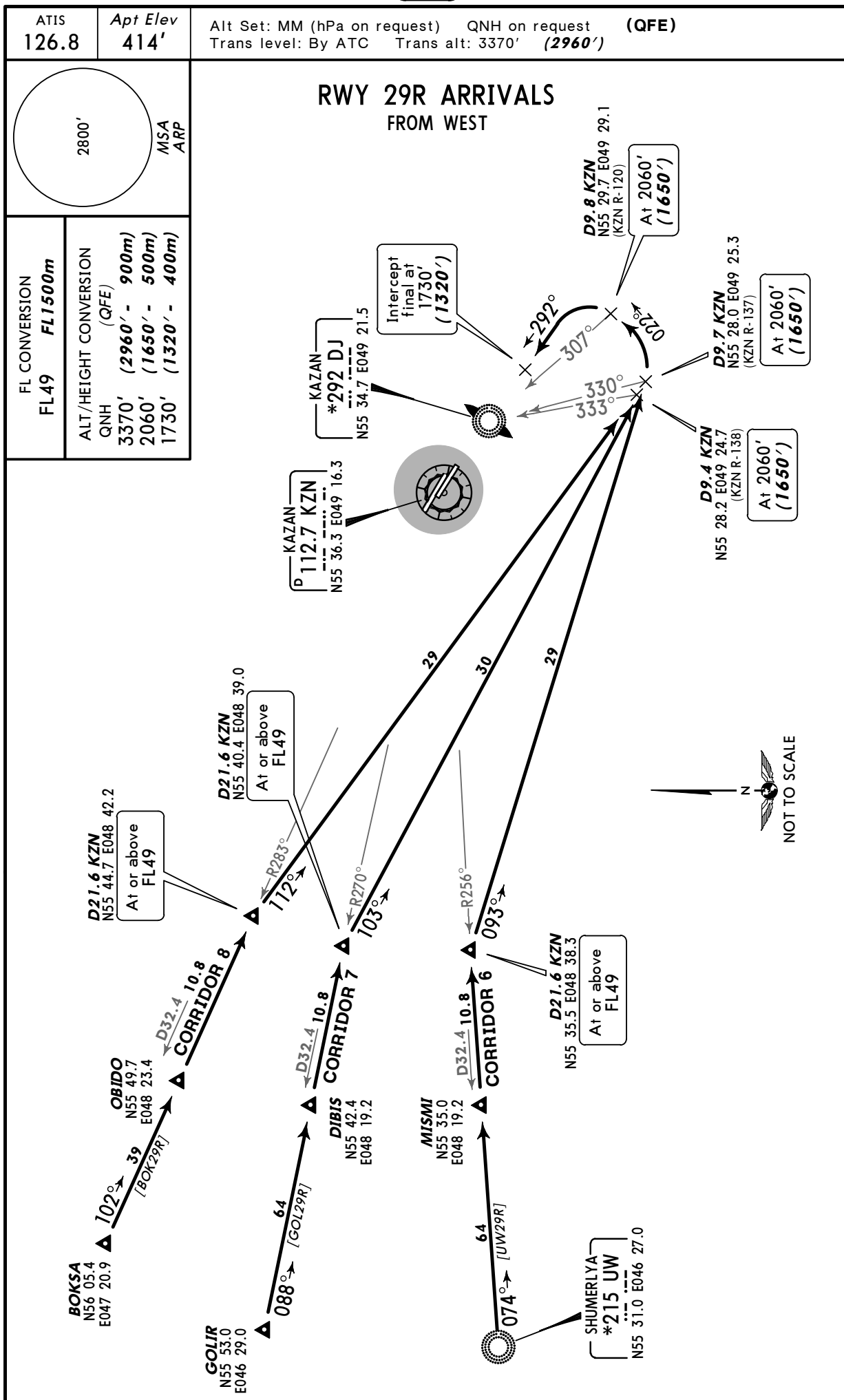
KAZAN, RUSSIA
STAR



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29 FEB 08 10-2E Eff 13 Mar

KAZAN, RUSSIA
STAR



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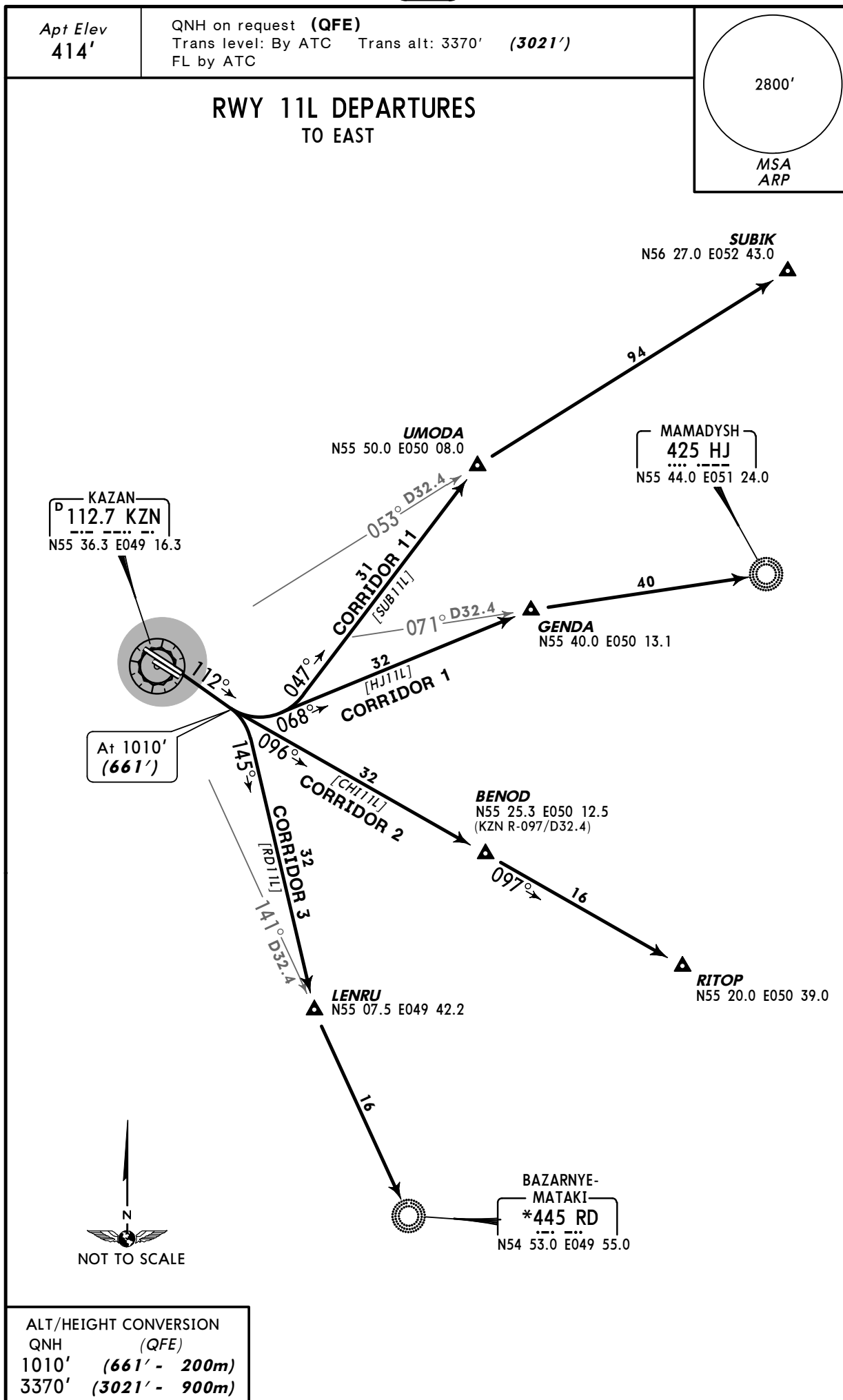
4 JAN 08

10-3

Eff 17 Jan

KAZAN, RUSSIA

SID



ALT/HEIGHT CONVERSION

QNH (QFE)

1010' (661' - 200m)

3370' (3021' - 900m)

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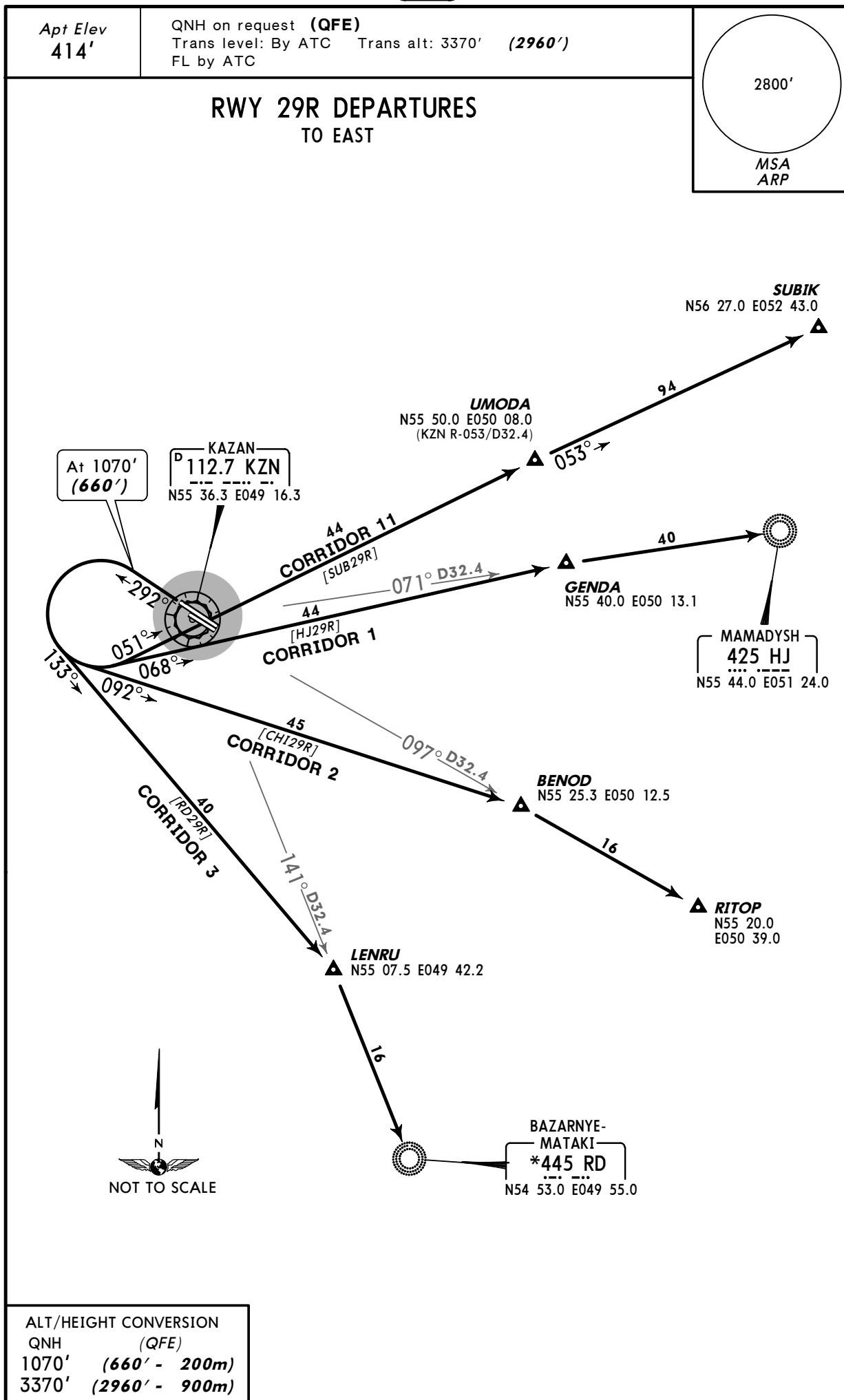
4 JAN 08

(10-3A)

Eff 17 Jan

KAZAN, RUSSIA

SID



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1070'	(660' - 200m)
3370'	(2960' - 900m)

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KAZAN

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4 JAN 08

(10-3B)

Eff 17 Jan

KAZAN, RUSSIA

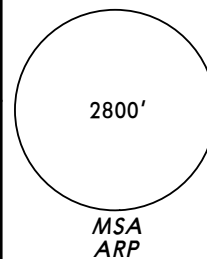
SID

Apt Elev
414'

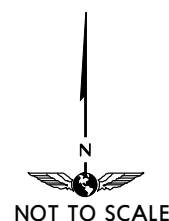
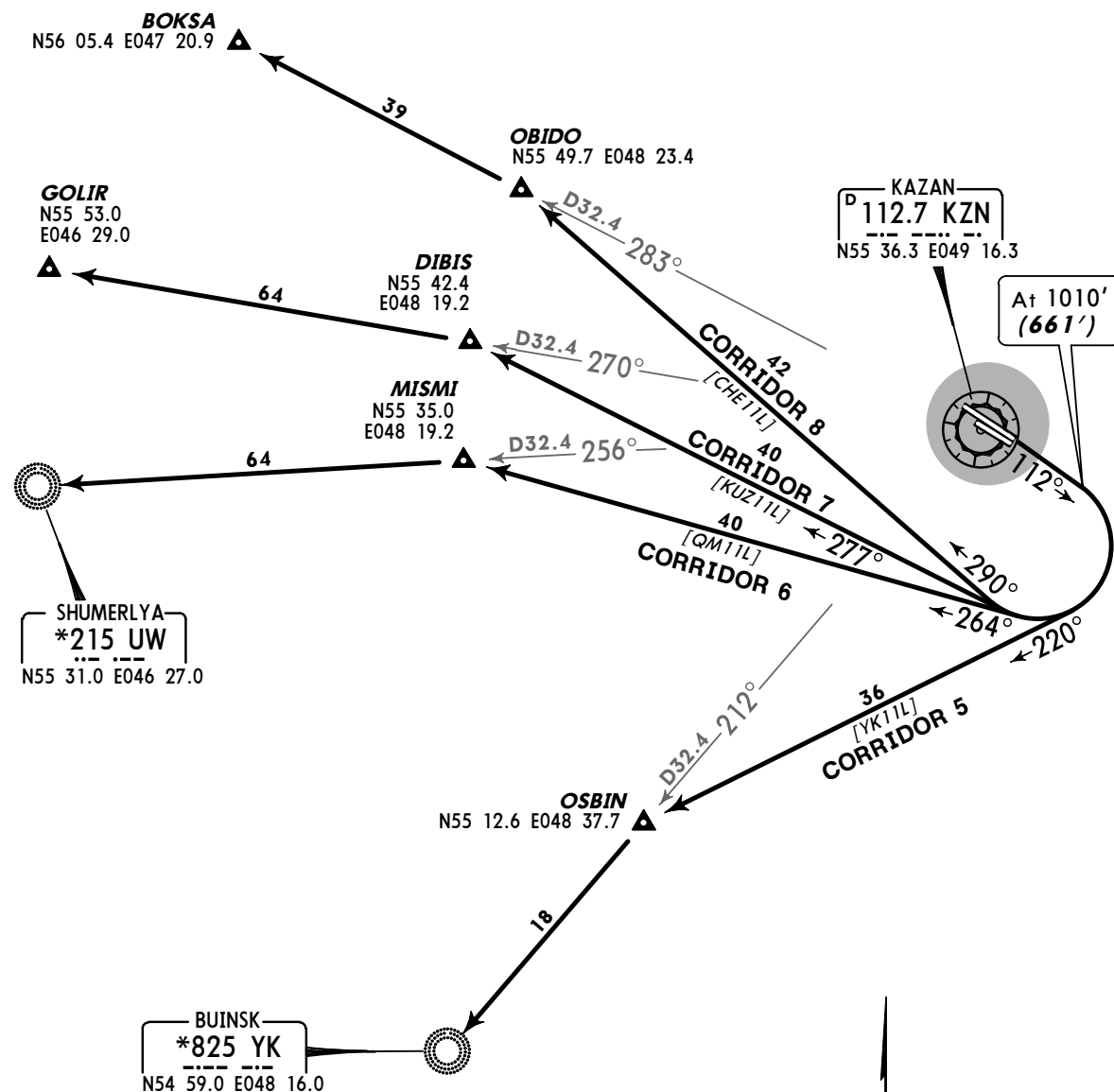
QNH on request (QFE)

Trans level: By ATC Trans alt: 3370' (3021')

FL by ATC



RWY 11L DEPARTURES TO WEST



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1010'	(661' - 200m)
3370'	(3021' - 900m)

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JEPPESEN

4 JAN 08

10-3C

Eff 17 Jan

KAZAN, RUSSIA

SID

Apt Elev
414'

QNH on request (QFE)

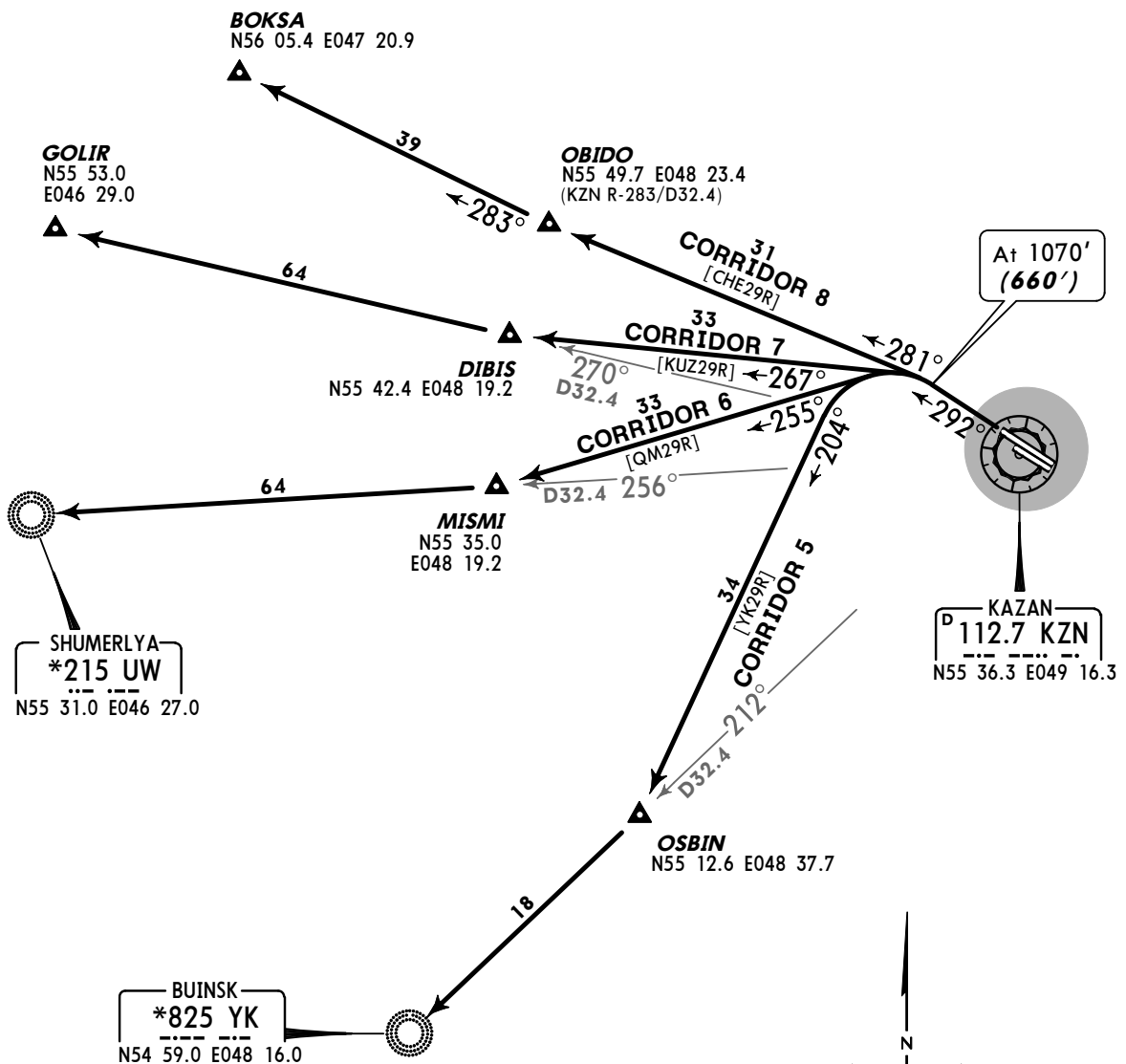
Trans level: By ATC Trans alt: 3370' (2960')

FL by ATC

2800'

MSA
ARP

RWY 29R DEPARTURES TO WEST



ALT/HEIGHT CONVERSION

QNH	(QFE)
1070'	(660' - 200m)
3370'	(2960' - 900m)

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29 OCT 04 10-4KAZAN, RUSSIA
NOISE

NOISE ABATEMENT

GENERAL

Noise abatement procedures shall not be executed at the expense of reduction of flight safety.

DEPARTURES

Special take-off procedures for the purpose of noise abatement when passing above terrain arid conditioned and environmentally protected shall be executed by crews of all aircraft:

TAKE-OFF AND CLIMBING PHASE RUNWAYS 29L/R

Take-off to 1900' (1486'-450m)	Take-off power take-off flaps climb at $V_2 + 10-20$ KT at 1080' (666'-200m) turn with 25° bank
At 1900' (1486'-450m)	reduce engine power to rated power under keeping of positive rate of climb
From 1900' (1486'-450m) to 3370' (2956'-900m)	climb at $V_2 + 10-20$ KT
At 3370' (2956'-900m)	accelerate to speed of wing devices retraction retract wing devices further climb (reaching FL) shall be executed at a speed recommended by the Airplane Flight Manual.

Noise abatement procedure during take-off shall not be carried out in cases of:

- wind shear
- moderate bumpiness
- icing
- one of the aircraft engines failure during take-off phase.

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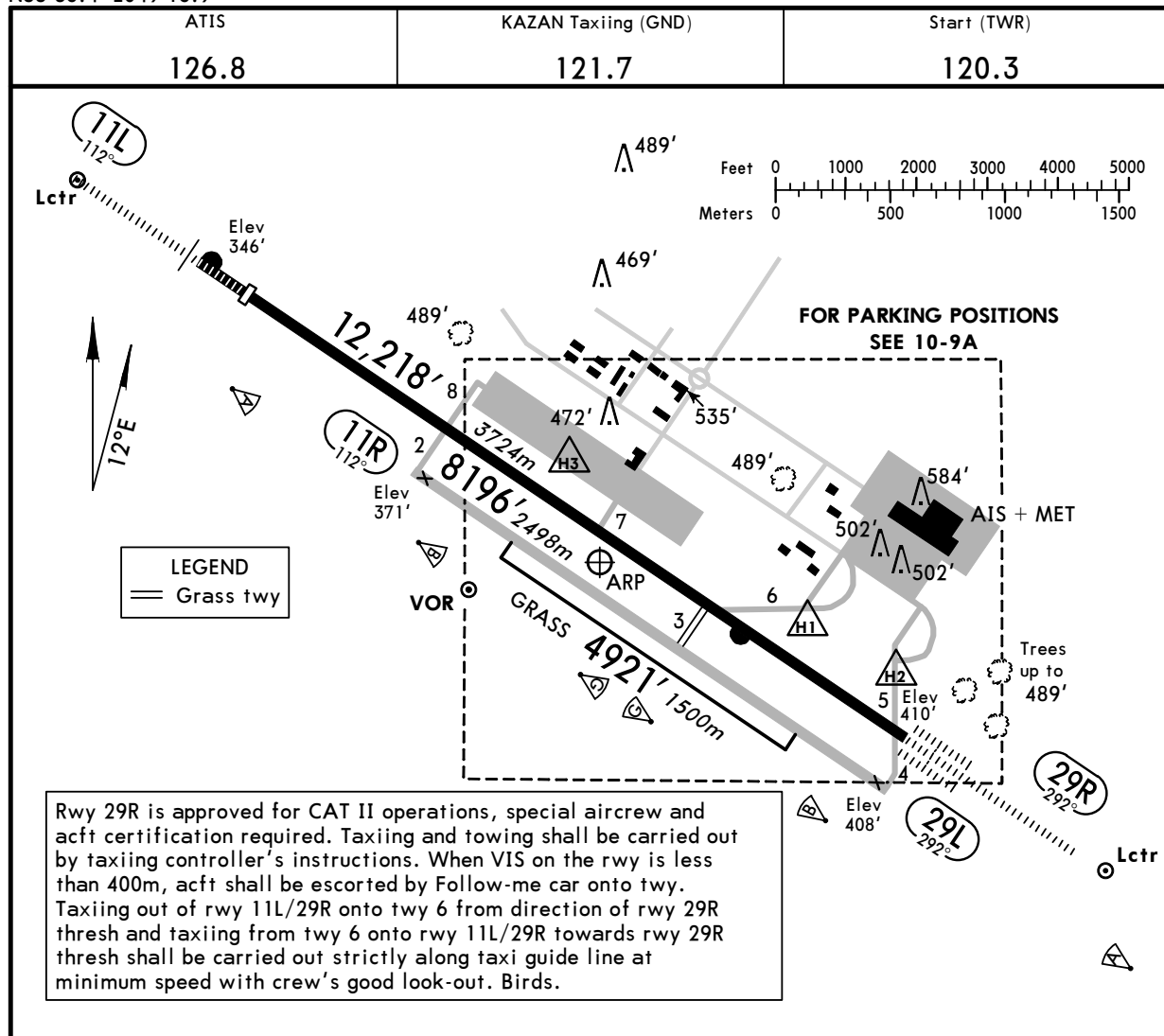
Apt Elev **414'**
N55 36.4 E049 16.9

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19 DEC 08 (10-9)

KAZAN, RUSSIA

KAZAN



ADDITIONAL RUNWAY INFORMATION

RWY			USABLE LENGTHS		TAKE-OFF	WIDTH
			Threshold	Landing Beyond		
11L	29R	HIRL(60m) CL(15m) HIALS PAPI-L(3.0°)	RVR 11,381' 3469m	10,599' 3231m	1	144' 44m
11R	29L	Runway withdrawn from service for acft				148' 45m
11	29	Grass runway				262' 80m

1 TAKE-OFF RUN AVAILABLE

RWY 11L:

First 837'/255m unusable
for take-off.

From displ thresh 11,381'(3469m)

twy 8 int	8091'(2466m)
twy 7 int	5427'(1654m)
twy 6 int	3596'(1096m)

RWY 29R:

From rwy head 12,218'(3724m)

turning pad	9564'(2915m)
twy 6 int	8655'(2638m)
twy 7 int	6791'(2070m)
twy 8 int	4127'(1258m)

TAKE-OFF

AIR CARRIER (JAA)

Main rwy 11L/29R

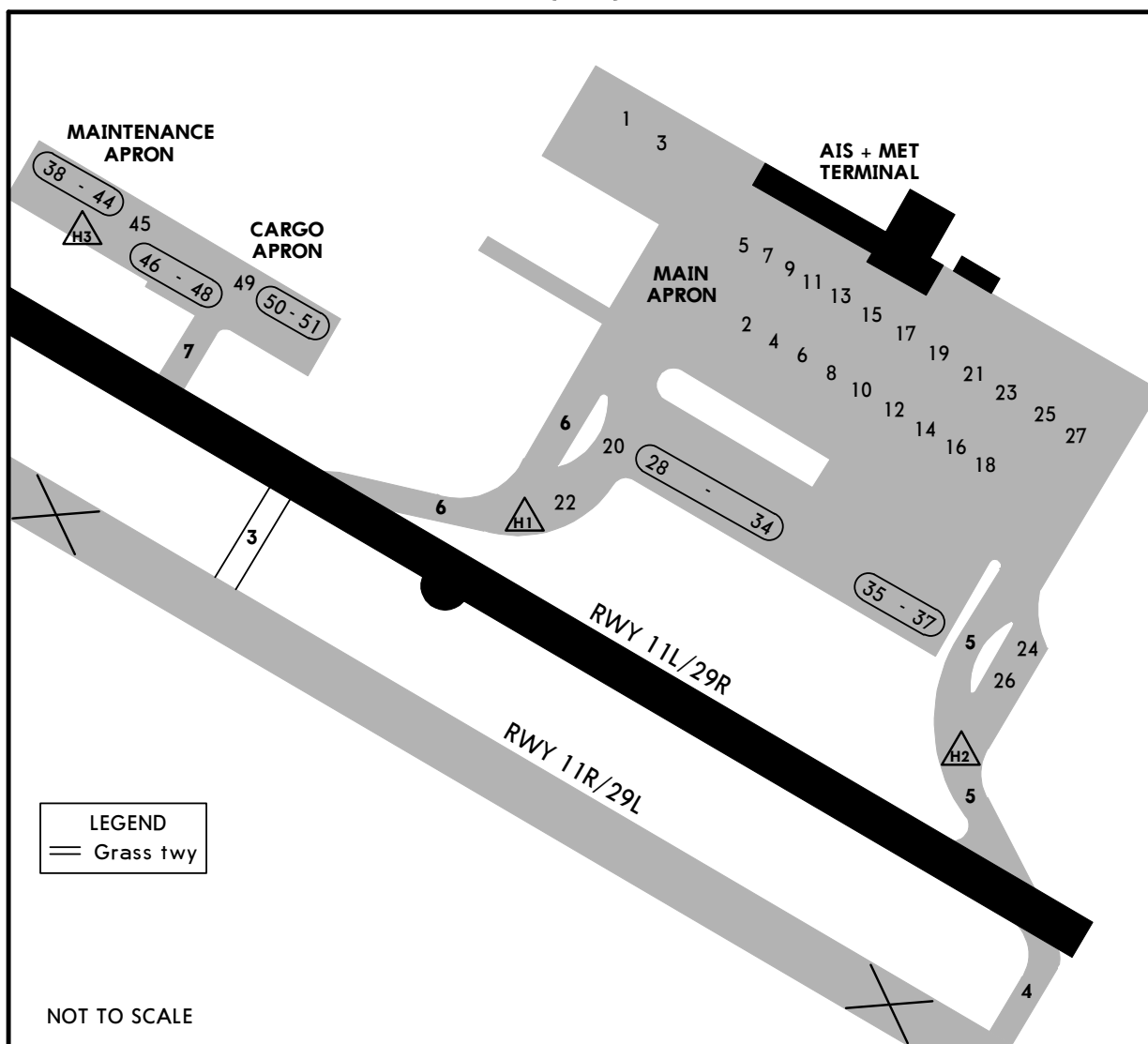
LVP must be in force

	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL
A			
B	200m (150m)	250m	400m
C			
D	250m (200m)	300m	

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19 DEC 08 **JEPPESEN**
(10-9A)

KAZAN, RUSSIA
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Taxiing on twys 5 and 6 with occupied stands 20, 22, 24 or 26 shall be carried out strictly along centerline at reduced speed with the crew's good look-out.
Stands 23, 25, 32 thru 37 available for helicopters.

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24 NOV 06

10-9X

JAA MINIMUMS

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STRAIGHT-IN RWY		A	B	C	D
11L	ILS	549' (200')	549' (200')	549' (200')	549' (200')
		R550m	R550m	R550m	R550m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
2 NDB		680' (331')	680' (331')	680' (331')	680' (331')
		R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	1 NDB	1010' (661')	1010' (661')	1170' (821')	1170' (821')
		R1200m	R1400m	R1400m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
29R	CAT II ILS	510' (100')	510' (100')	510' (100')	510' (100')
		RA 113' R300m	RA 113' R300m	RA 113' R300m	RA 113' R300m
	ILS	610' (200')	610' (200')	610' (200')	610' (200')
		R550m	R550m	R550m	R550m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	2 NDB	860' (450')	860' (450')	860' (450')	860' (450')
		R1000m	R1200m	R1200m	R1600m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	1 NDB	1070' (660')	1070' (660')	1240' (830')	1240' (830')
		R1200m	R1400m	R1400m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m

TAKE-OFF RWY 11L

LVP must be in Force		
	RCLM (DAY only) or RL	RCLM (DAY only) or RL
A		NIL (DAY only)
B	250m	400m
C		500m
D	300m	

TAKE-OFF RWY 29R

LVP must be in force					
Approved Operators HIRL, CL & mult. RVR req	RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A					
B	125m	150m	200m	250m	400m
C					500m
D	150m	200m	250m	300m	

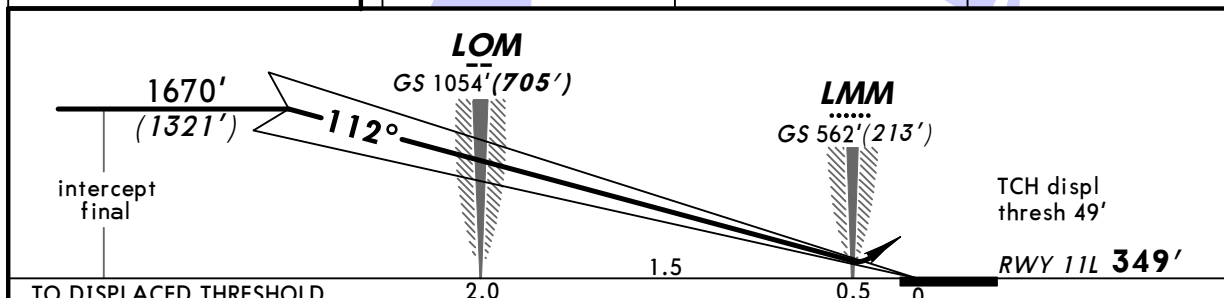
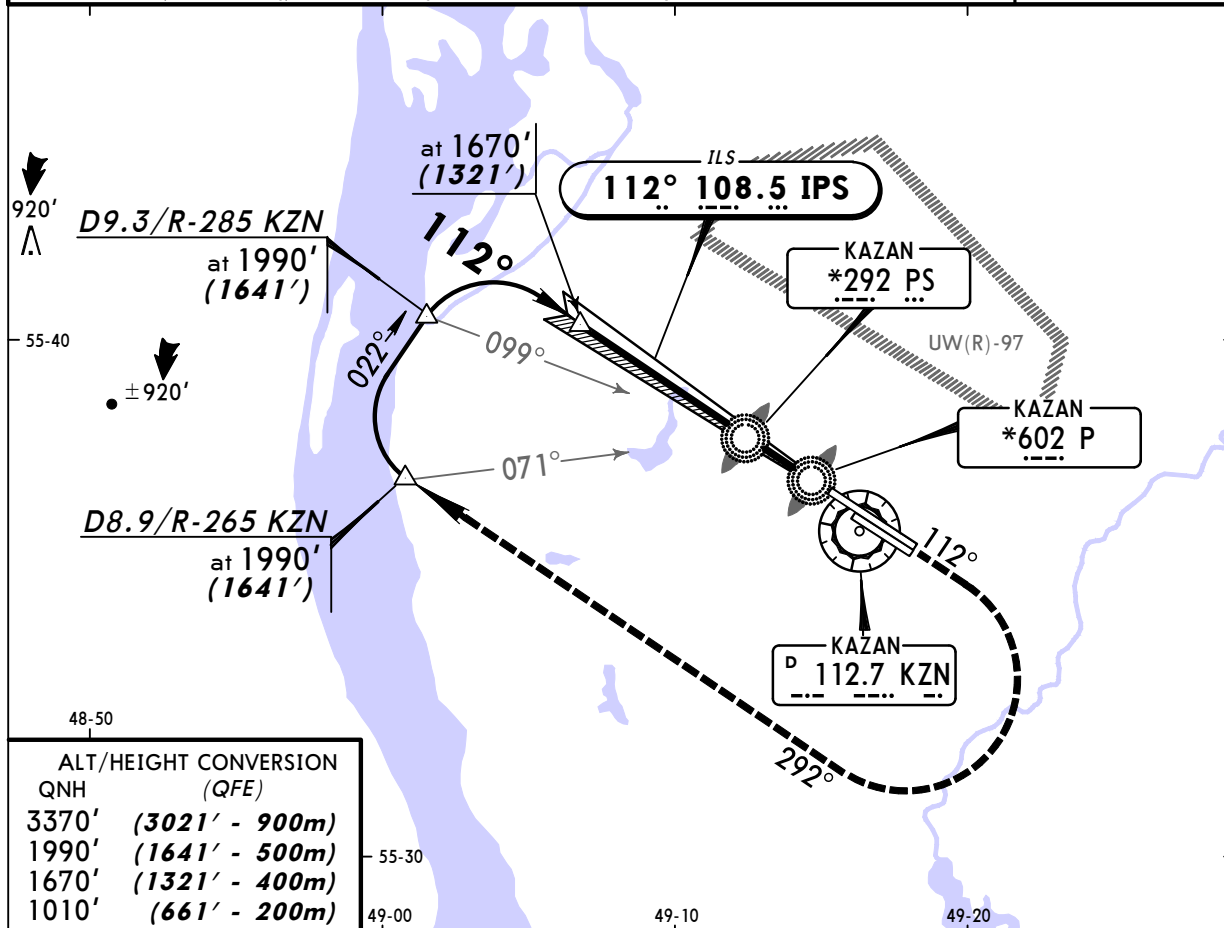
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24 NOV 06 (11-1)

KAZAN, RUSSIA
ILS Rwy 11L

BRIEFING STRIP

ATIS 126.8	KAZAN Radar (APP/R) 119.4	KAZAN Tower (PAR) 120.3	KAZAN Start (TWR) 120.3	Taxiing (GND) 121.7
LOC IPS 108.5	Final Apch Crs 112°	GS LOM 1054' (705')	ILS DA(H) 549' (200')	Apt Elev 414' RWY 349'
MISSED APCH: Climb on 112° to 1010' (661'), then turn RIGHT onto 292° climbing to 1990' (1641'), then according to chart.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3370' (3021')				
				2800' MSA ARP



TO DISPLACED THRESHOLD							2.0	1.5	0.5	0	RWY 11L 349'
Gnd speed-Kts	70	90	100	120	140	160	HIALS	1010'		292°	1990'
GS	3.00°	377	484	538	646	753	861	(661')	on 112°	RT	(1641')

STRAIGHT-IN LANDING RWY 11L					
ILS		LOC (GS out)			
DA(H) 549' (200')					
FULL	ALS out				
A					
B					
C	RVR 720m VIS 800m	1200m	NOT AUTHORIZED		
D					

PANS OPS

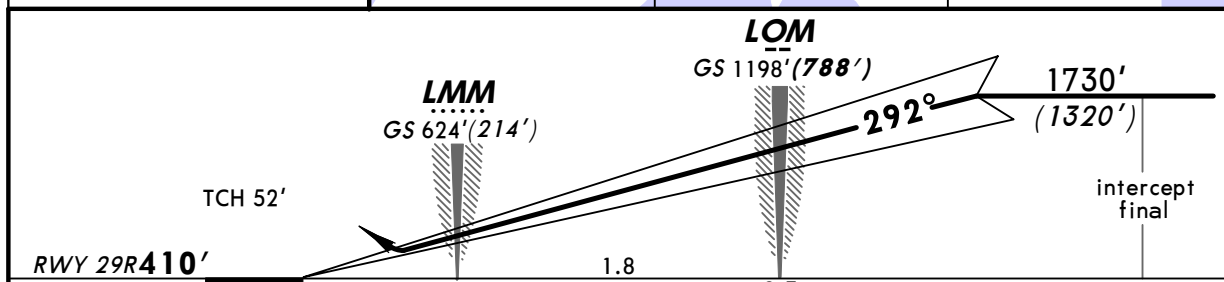
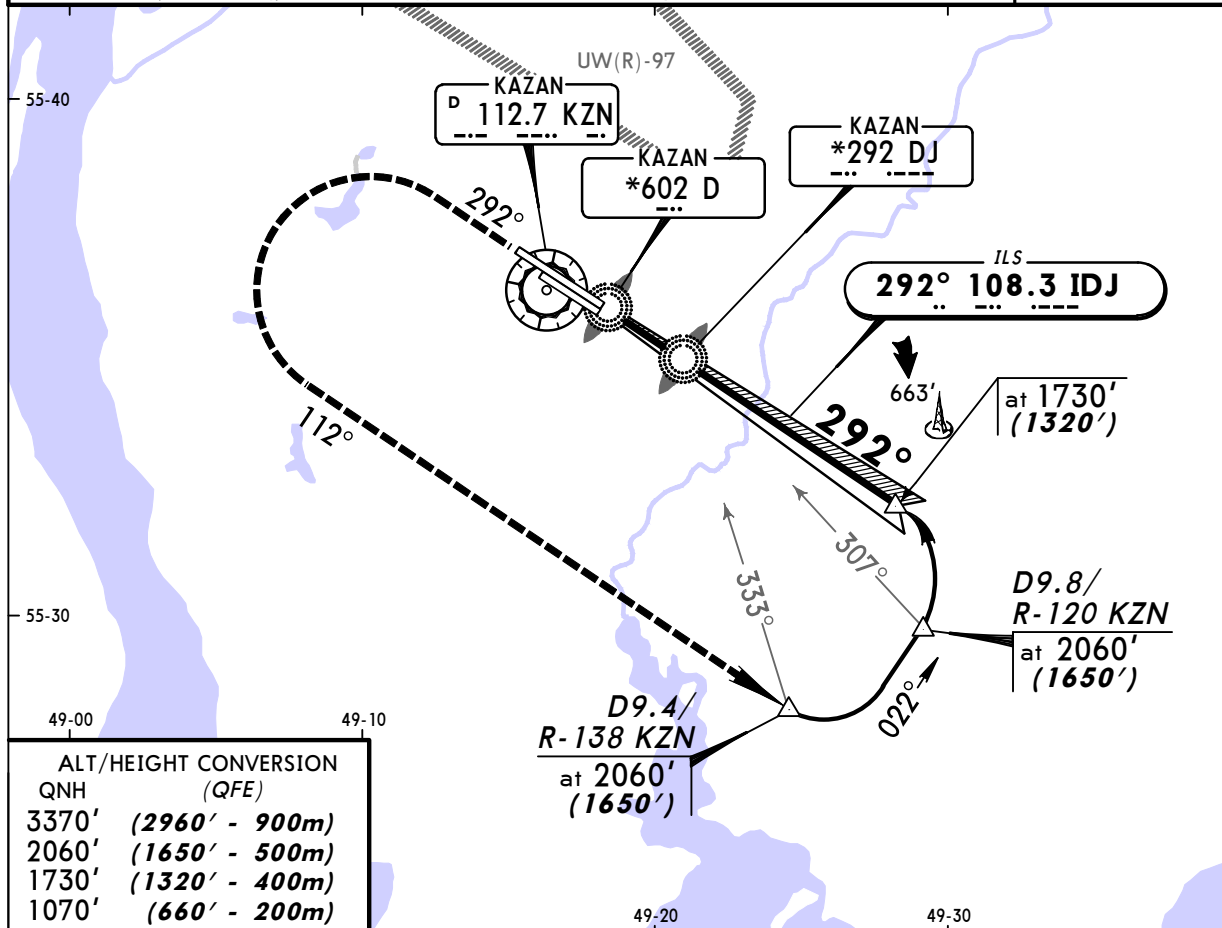
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KAZAN

JEPPESEN
24 NOV 06 (11-2)

KAZAN, RUSSIA
ILS Rwy 29R

BRIEFING STRIP

ATIS	KAZAN Radar (APP/R)	KAZAN Tower (PAR)	KAZAN Start (TWR)	Taxiing (GND)
126.8	119.4	120.3	120.3	121.7
LOC IDJ 108.3	Final Apch Crs 292°	GS LOM 1198' (788')	ILS DA(H) 610' (200')	Apt Elev 414' RWY 410'
MISSED APCH: Climb on 292° to 1070' (660'), then turn LEFT onto 112° climbing to 2060' (1650'), then according to chart.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3370' (2960')				
				2800' MSA ARP



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	1070' (660')	112°	2060' (1650')
GS	3.00°	377	484	538	646	753	PAPI	on 292°	LT	

STRAIGHT-IN LANDING RWY 29R					
ILS		LOC (GS out)			
DA(H) 610' (200')					
FULL		ALS out			
A					
B					
C	RVR 720m VIS 800m	1200m	NOT AUTHORIZED		
D					

PANS OPS

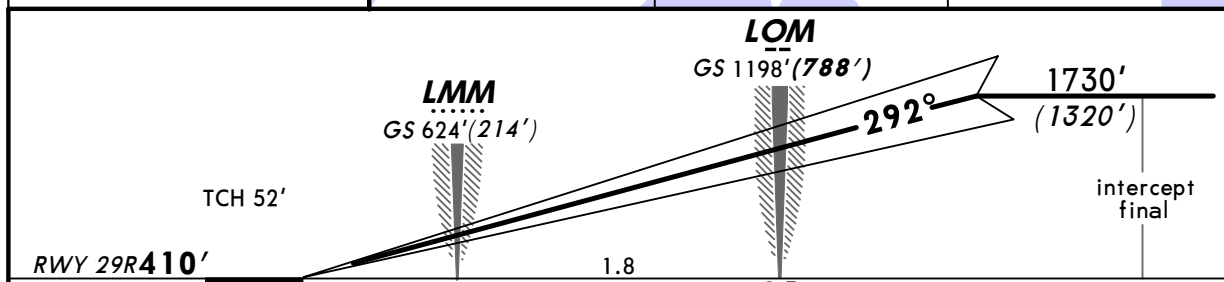
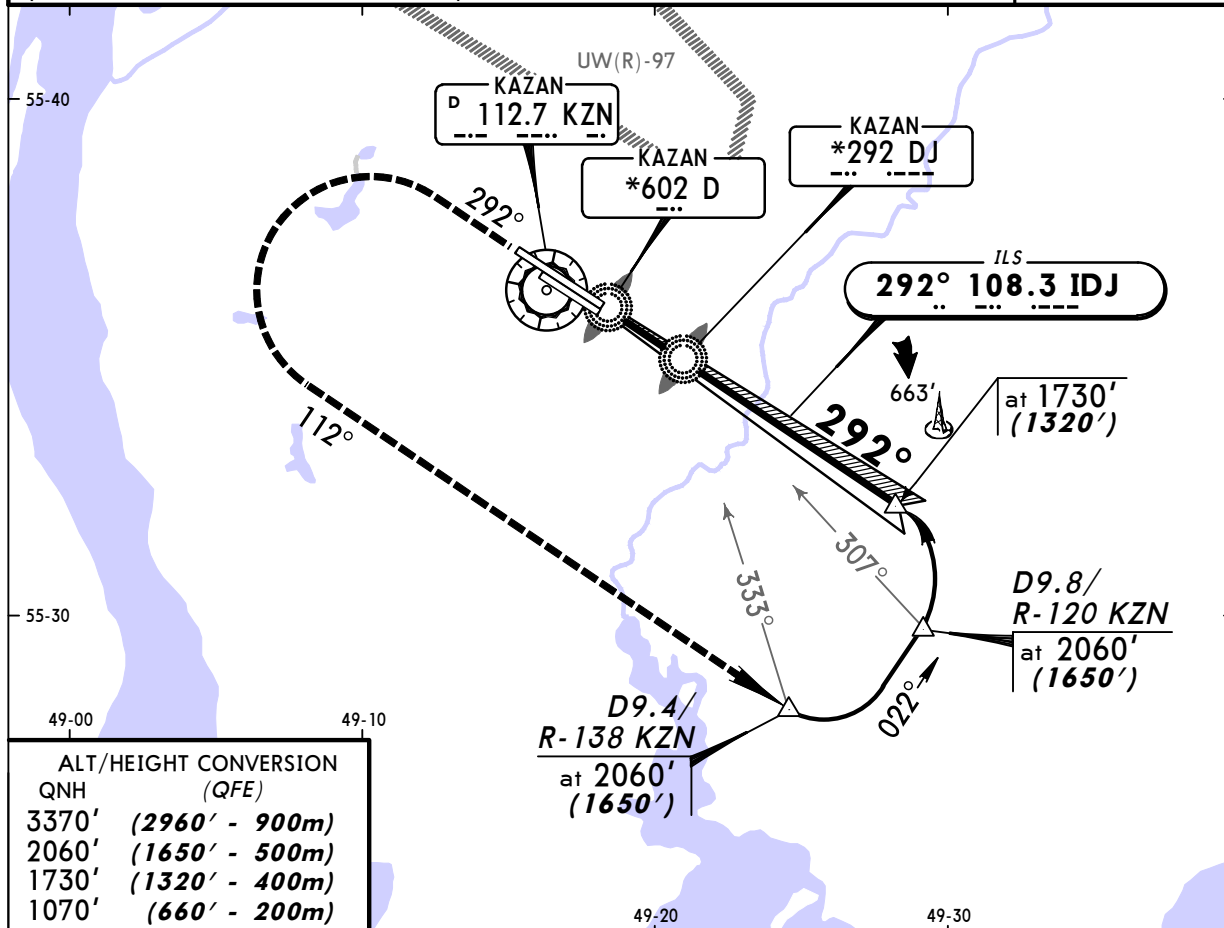
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KAZAN

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24 NOV 06 (11-2A)

KAZAN, RUSSIA
CAT II ILS Rwy 29R

BRIEFING STRIP

ATIS	KAZAN Radar (APP/R)	KAZAN Tower (PAR)	KAZAN Start (TWR)	Taxiing (GND)
126.8	119.4	120.3	120.3	121.7
LOC IDJ 108.3	Final Apch Crs 292°	GS LOM 1198' (788')	CAT II ILS RA 113' DA(H) 510' (100')	Apt Elev 414' RWY 410'
MISSED APCH: Climb on 292° to 1070' (660'), then turn LEFT onto 112° climbing to 2060' (1650'), then according to chart.				2800'
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3370' (2960') Special Aircrew & Acft Certification Required.				MSA ARP



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	1070' (660')	on 292°	112°	2060' (1650')
GS	3.00°	377	484	538	646	753	861	PAPI		LT	

STRAIGHT-IN LANDING RWY 29R
CAT II ILS
ABCD
RA 113'
DA(H) 510' (100')

RVR 350m

PANS OPS

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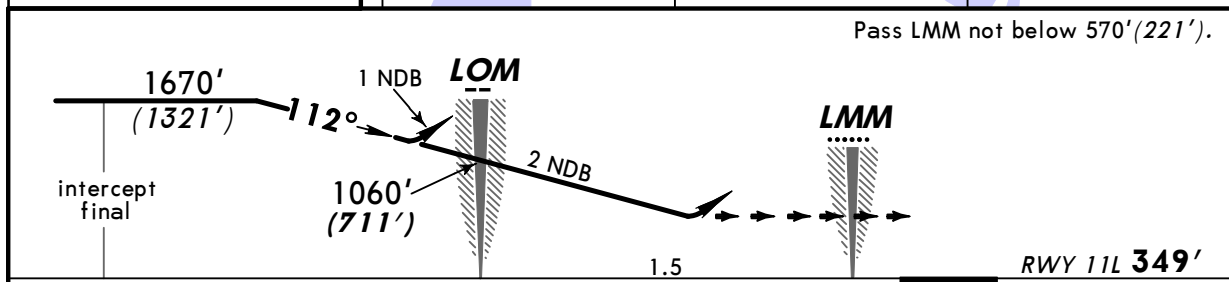
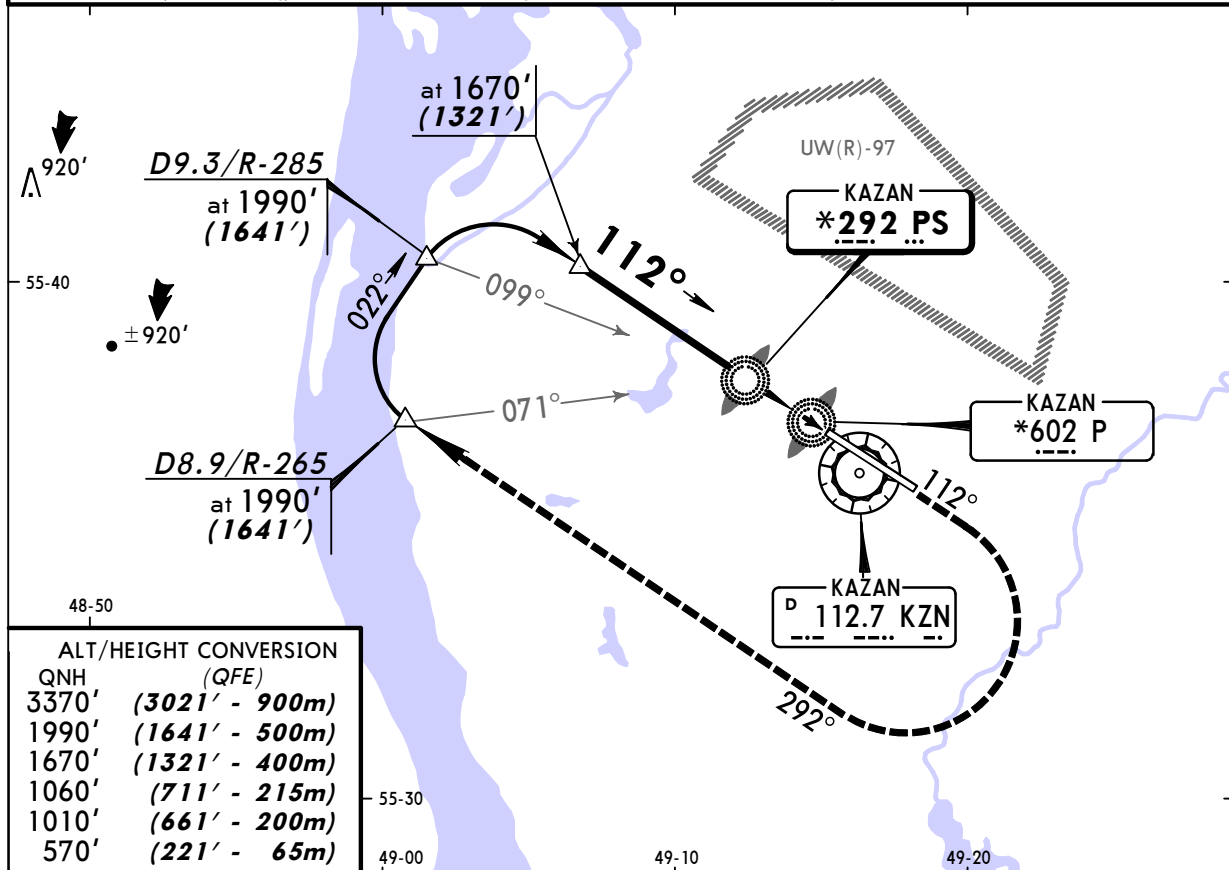
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21 JUL 06
Eff 3 Aug 16-1

KAZAN, RUSSIA
2 NDB or 1 NDB Rwy 11L

BRIEFING STRIP

ATIS 126.8	KAZAN Radar (APP/R) 119.4	KAZAN Tower (PAR) 120.3	KAZAN Start (TWR) 120.3	Taxiing (GND) 121.7
NDB PS *292	Final Apch Crs 112°	2 NDB Minimum Alt LOM 1060' (711')	2 NDB MDA(H) 680' (331')	Apt Elev 414'
		1 NDB Minimum Alt No FAF	1 NDB MDA(H) Refer to Minimums	RWY 349'
MISSED APCH: Climb on 112° to 1010' (661'), then turn RIGHT onto 292° climbing to 1990' (1641'), then according to chart.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3370' (3021')				



TO DISPLACED THRESHOLD							2.0	0.5	0		
Gnd speed-Kts	70	90	100	120	140	160	HIALS PAPI	1010'	on 112°	292°	1990'
Descent Gradient 5.2%	369	474	527	632	737	843		(661')		(1641')	
										RT	

STRAIGHT-IN LANDING RWY 11L			
2 NDB MDA(H) 680' (331')		1 NDB MDA(H) AB:1010' (661') CD:1170' (821')	
ALS out		ALS out	
A			
B			
C	1200m	RVR 1500m VIS 1600m	3200m
D			4000m

CHANGES: Minimums.

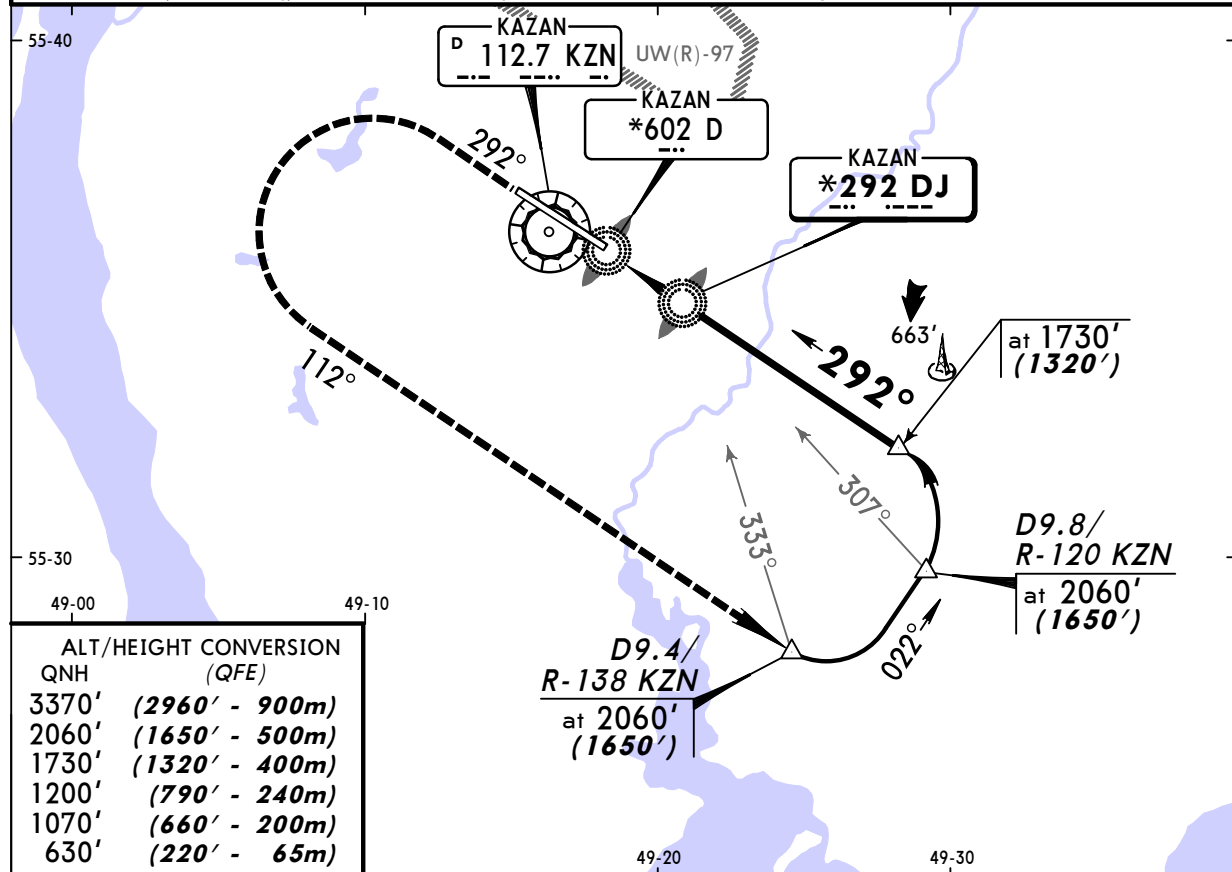
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21 JUL 06
Eff 3 Aug 16-2

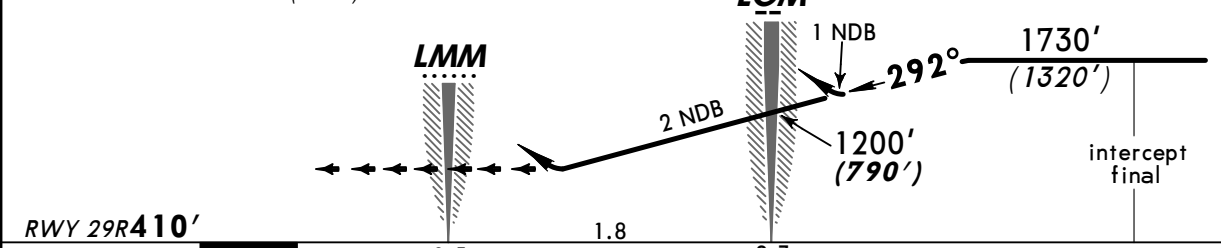
KAZAN, RUSSIA
2 NDB or 1 NDB Rwy 29R

ATIS 126.8	KAZAN Radar (APP/R) 119.4	KAZAN Tower (PAR) 120.3	KAZAN Start (TWR) 120.3	Taxiing (GND) 121.7
NDB DJ *292	Final Apch Crs 292°	2 NDB Minimum Alt LOM 1200' (790')	2 NDB MDA(H) 860' (450')	Apt Elev 414'
		1 NDB Minimum Alt No FAF	1 NDB MDA(H) Refer to Minimums	RWY 410'
MISSED APCH: Climb on 292° to 1070' (660'), then turn LEFT onto 112° climbing to 2060' (1650'), then according to chart.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3370' (2960')				



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3370'	(2960' - 900m)
2060'	(1650' - 500m)
1730'	(1320' - 400m)
1200'	(790' - 240m)
1070'	(660' - 200m)
630'	(220' - 65m)

Pass LMM not below 630' (220').



		0		0.5		2.3	
Gnd speed-Kts	70	90	100	120	140	160	ALSF-II PAPI 1070' (660') on 292° 112° LT 2060' (1650')
Descent Gradient 5.2%	369	474	527	632	737	843	

STRAIGHT-IN LANDING RWY 29R			
2 NDB	MDA(H)	1 NDB	MDA(H)
860' (450')		1070' (660')	1240' (830')
ALS out		ALS out	
A			
B	1400m	2200m	3200m
C			4000m
D	2000m	2400m	4400m

CHANGES: Minimums.

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