

AKJ-RJEC

1-10

AOI

AOI

**GENERAL****Operational Hours****AD OPS Hours / AD ADMIN Hours:** 2300-1200**Airport Information****RFF:** CAT 9**PCN:** RWY 16/34: 89/F/C/X/T**Operation****Traffic Note**

Transient ACFT PPR.

**Warnings****ILS/LOC RWY 16 unusable:** Beyond 15NM from antenna.**ARRIVAL****Speed**

MAX IAS 250KT at or below 10000ft.

MAX IAS 200KT at or below 3000ft within CTR (APRX 5NM around ARP).

PROP only:

MAX IAS 160KT at or below 3000ft within CTR (APRX 5NM around ARP).

**DEPARTURE****Take-off Minima**

RWY		34	
All ACFT	ft - m/km	0 - 500R/400V	REDL+RCLL
		0 - 600R/600V	REDL or RCLL
		0 - 800V	wo LGT, HJ only
RWY		16	
All ACFT	ft - m/km	c700 - 2400V	-

**Speed**

MAX IAS 250KT at or below 10000ft.

MAX IAS 200KT at or below 3000ft within CTR (APRX 5NM around ARP).

PROP only:

MAX IAS 160KT at or below 3000ft within CTR (APRX 5NM around ARP).

16-AUG-2018/UFN

09-AUG-2018

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Japan Asahikawa

Asahikawa Japan

2-08

Tempo AFC

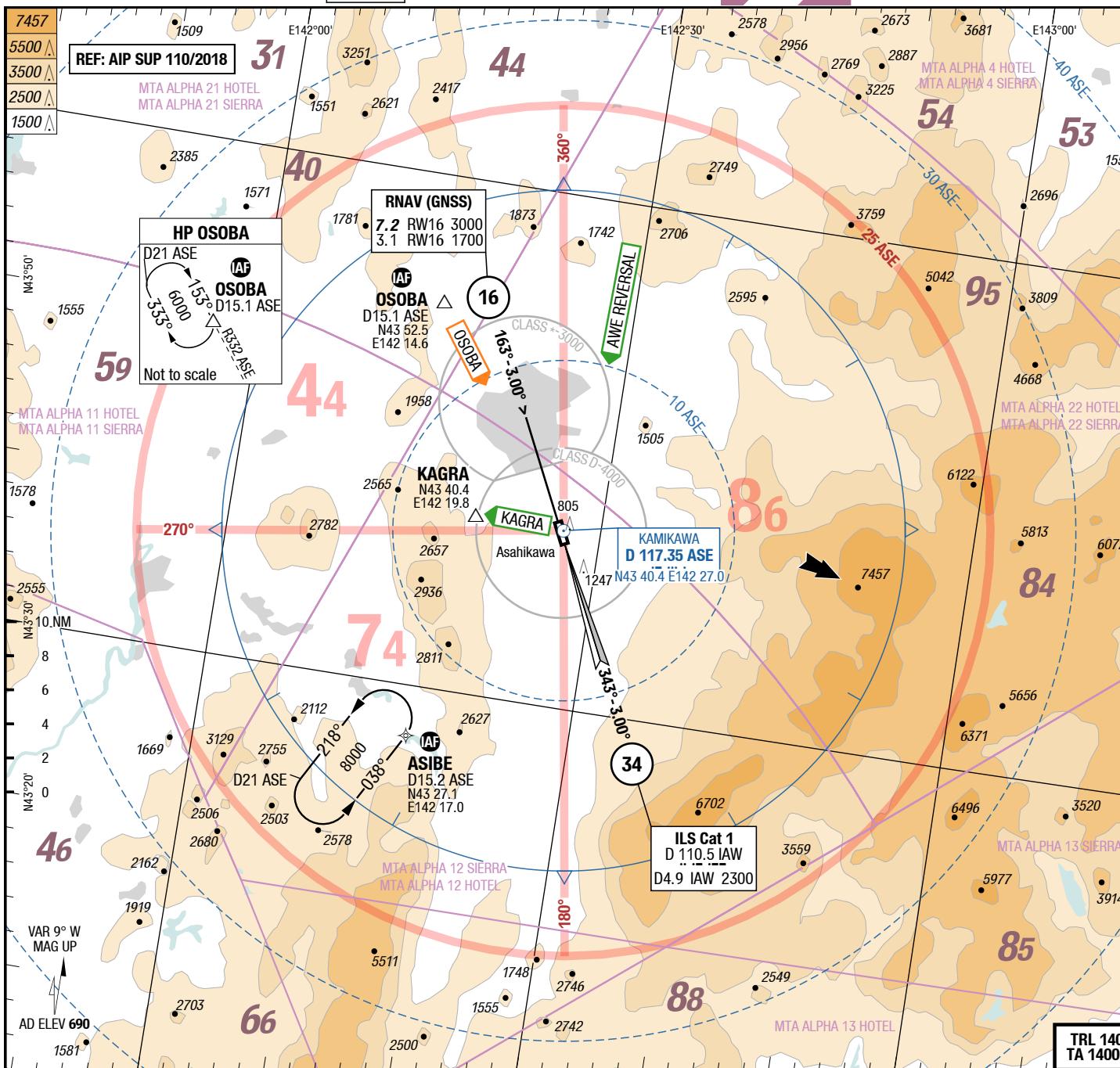
AFC

AFC

NIL

NIL

Tempo AFC



Sapporo CTL

132.600

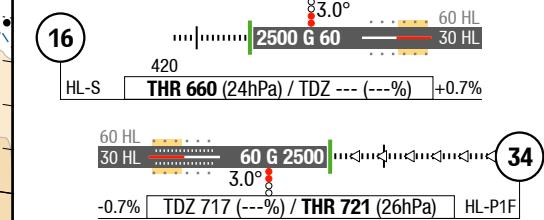
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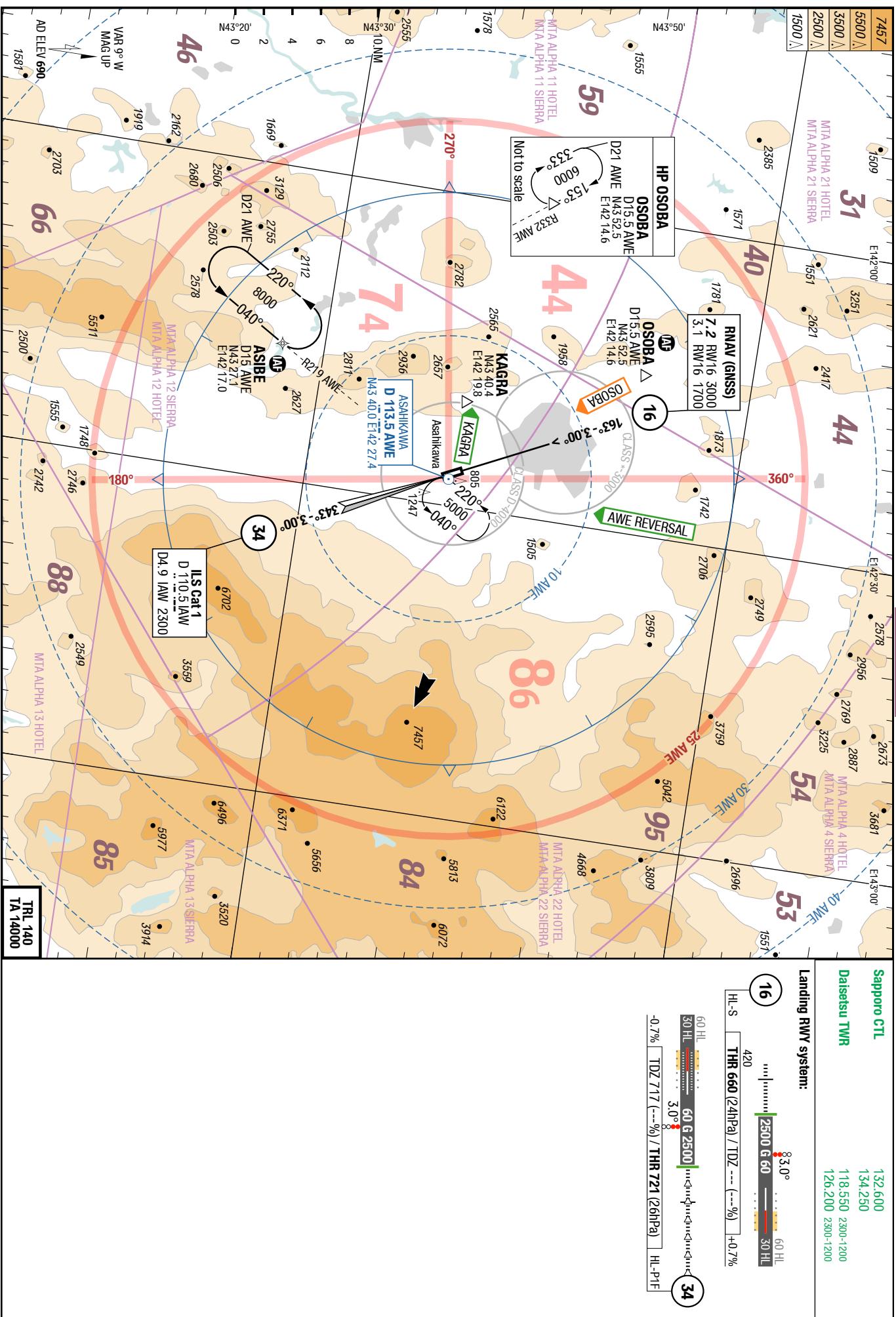
118.550 2300-1200

126.200 2300-1200

Daisetsu TWR

Landing RWY system:





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19-APR-2018

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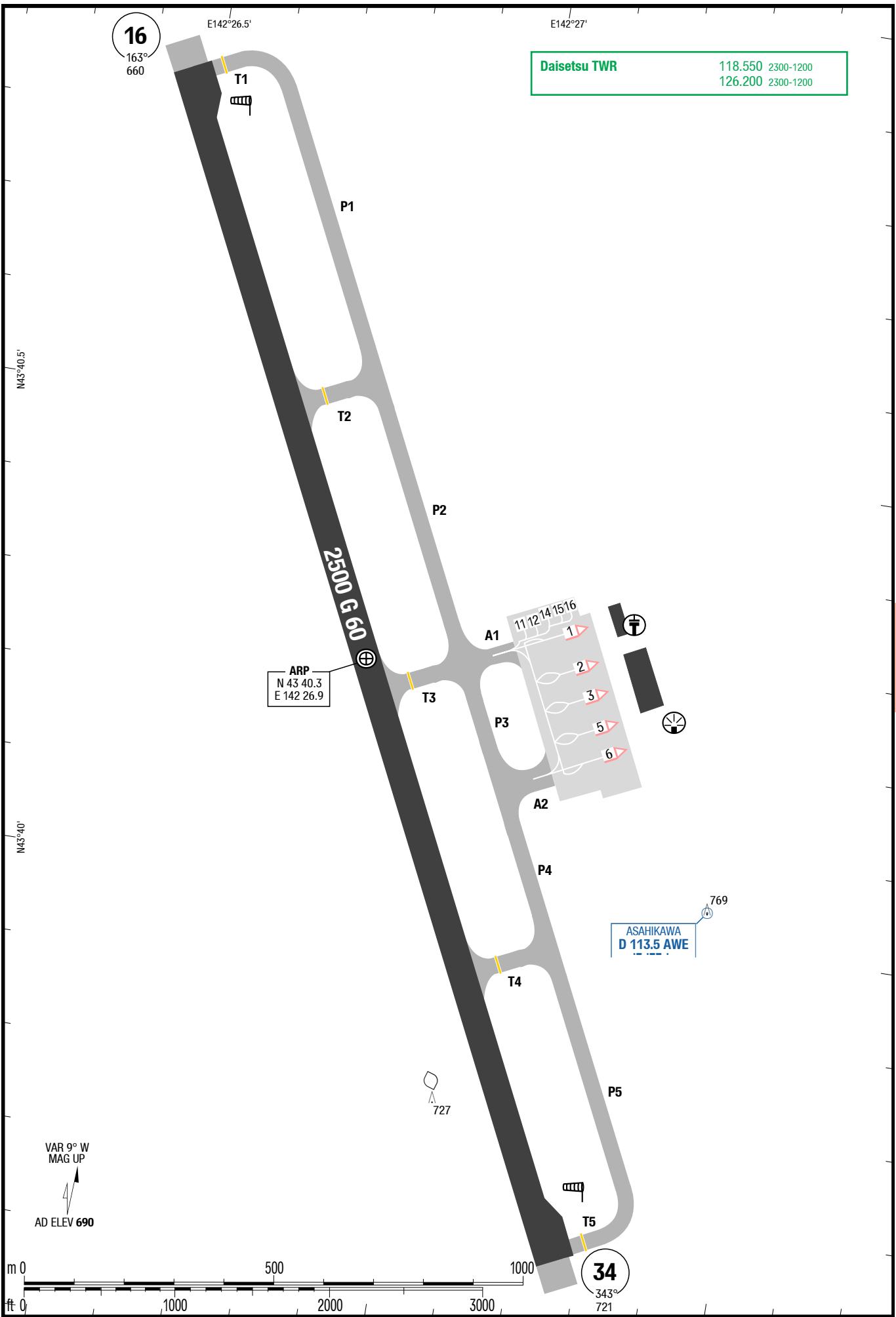
Japan Asahikawa

AGC AGC

AGC AGC

AGC AGC

Asahikawa Japan



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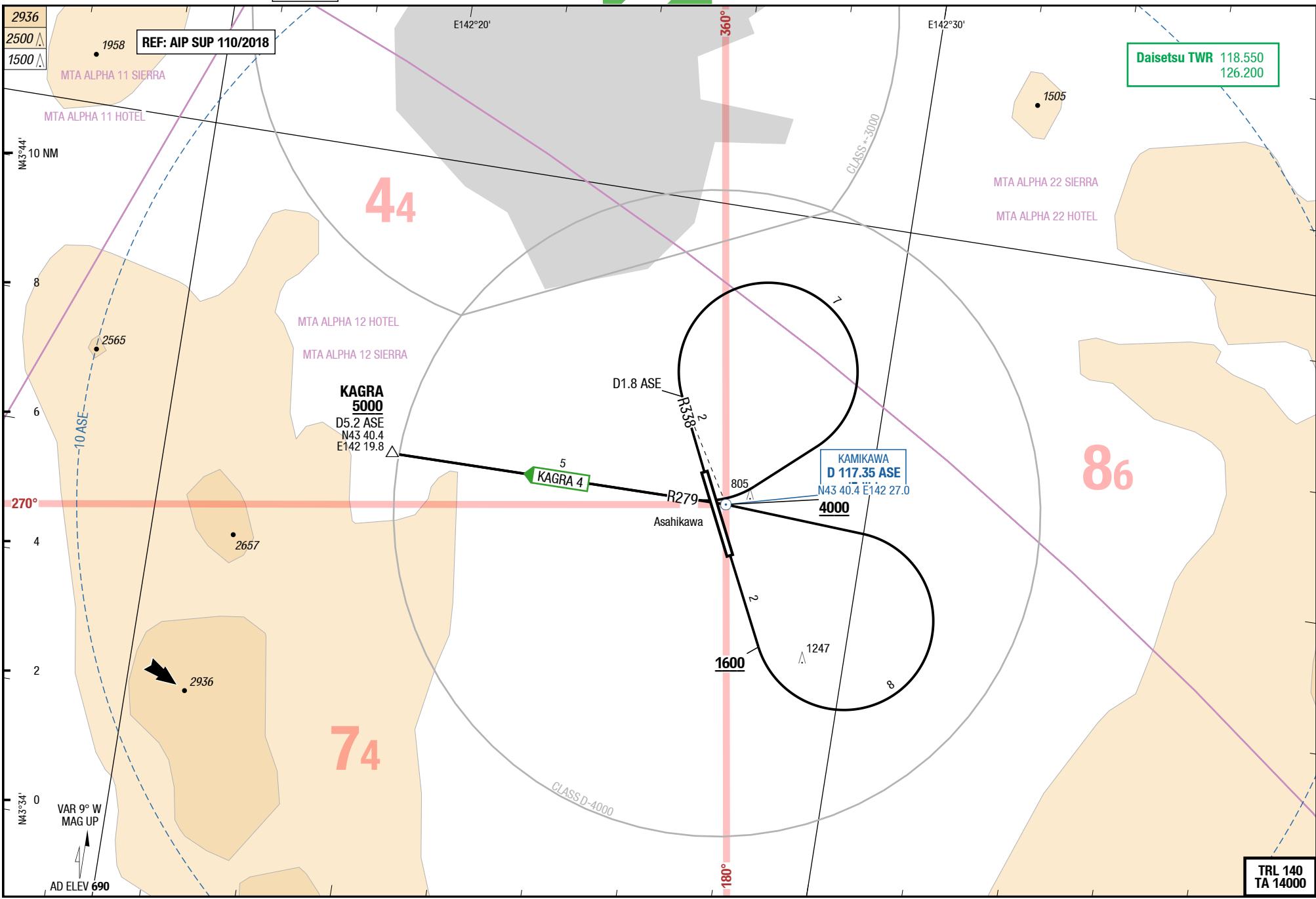
4-08

Japan Asahikawa  
Tempo SID AWE REVERSAL 5  
Tempo SID KAGRA 4

SID

SID

Asahikawa Japan  
Tempo SID AWE REVERSAL 5  
Tempo SID KAGRA 4



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Japan Asahikawa

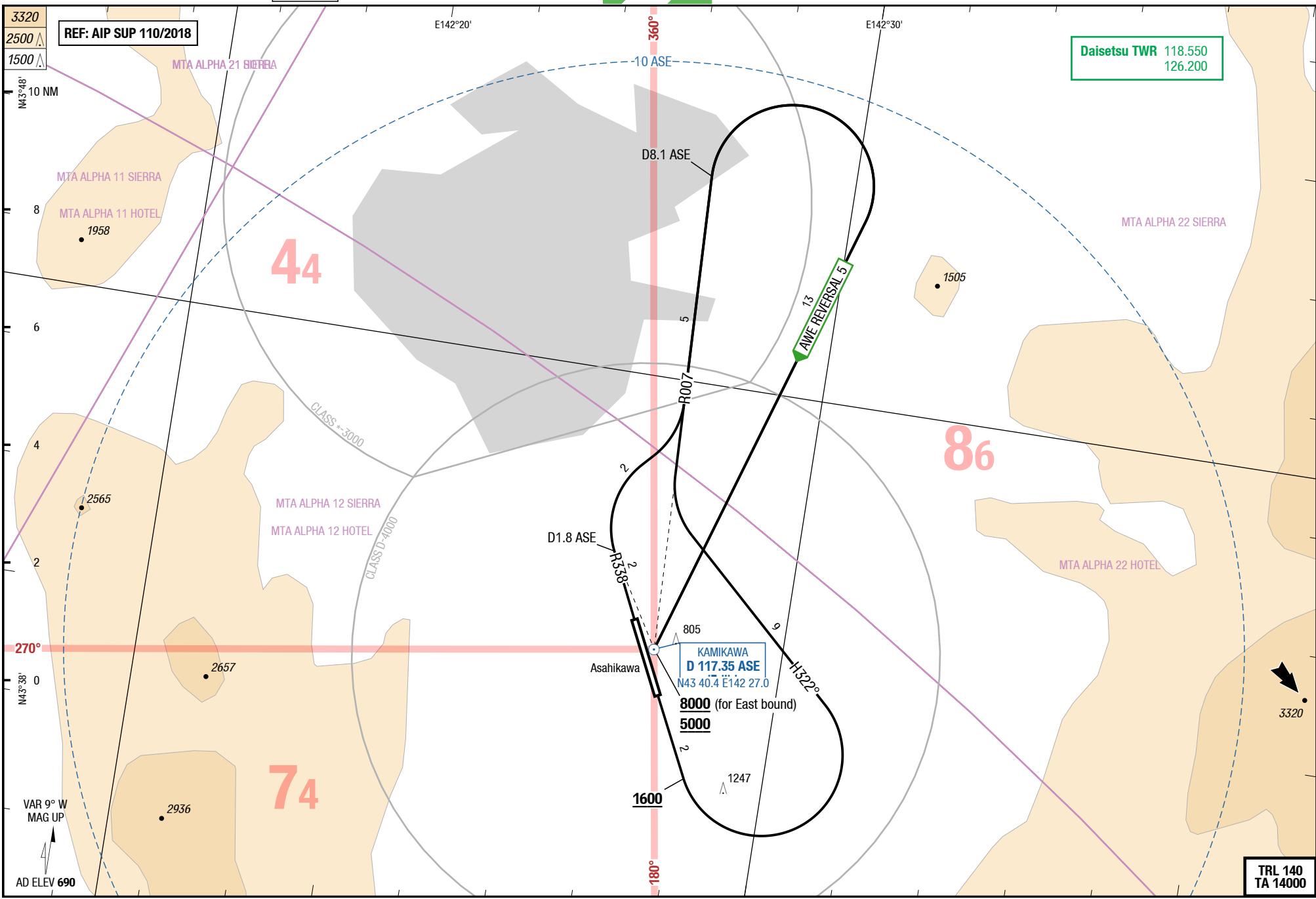
Asahikawa Japan

4-09

Tempo SID AWE REVERSAL 5

SID

SID

Daisetsu TWR 118.550  
126.200

19-APR-2018

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Japan Asahikawa

SID AWE REVERSAL 5

SID KAGRA 4

Asahikawa Japan

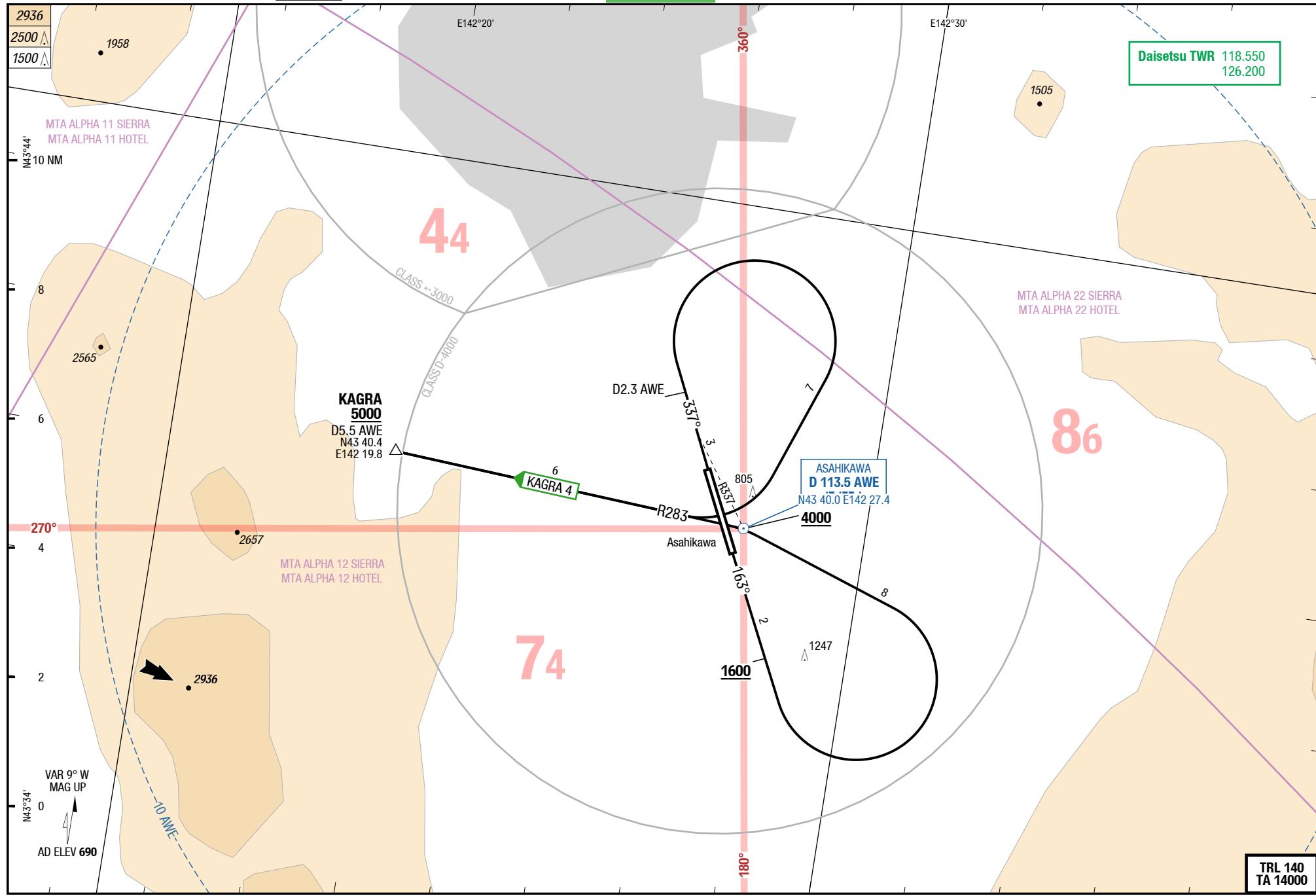
SID AWE REVERSAL 5

SID KAGRA 4

SID

SID

4-10



Changes: OBST

19-APR-2018

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Japan Asahikawa

4-20

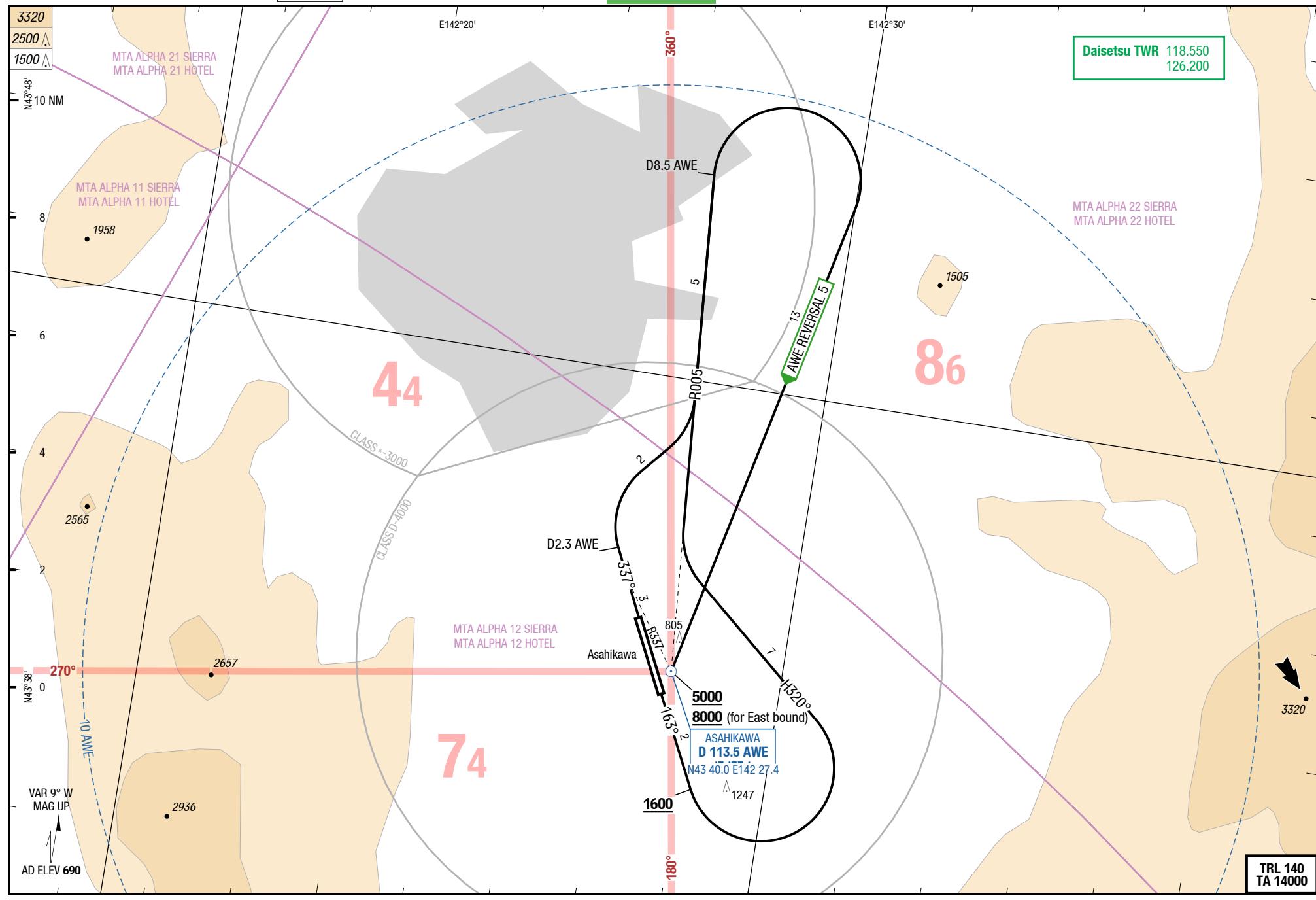
SID AWE REVERSAL 5

SID

SID

Asahikawa Japan

SID AWE REVERSAL 5



5-08

Tempo SID KAGRA 4

**KAGRA 4**

RWYs 16 (163°) / 34 (343°)

	GS	120	150	180	210	240	270
5.0%	ft/MIN	700	800	1000	1100	1300	1400
5.3%	ft/MIN	700	900	1000	1200	1300	1500

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 16</b>	
<b>KAGRA 4</b> 5.3% to 1600 <b>118.550</b> ①	at MNM 1600 LT direct ASE - R279 ASE to KAGRA	<b>ASE MNM 4000</b> KAGRA MNM 5000
	<b>Runway 34</b>	
<b>KAGRA 4</b> 5.0% to 1000 <b>118.550</b> ②	intercept R338 ASE - at D1.8 ASE RT direct ASE - R279 ASE to KAGRA	<b>ASE MNM 4000</b> KAGRA MNM 5000

① OBST ALT 1247FT located at 2NM 146° from end of RWY 16.

② OBST ALT 696FT located at 1.4NM 021° from end of RWY 34.

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Tempo SID AWE REVERSAL 5

SIDPT

**AWE REVERSAL 5**

RWYs 16 (163°) / 34 (343°)

	GS	120	150	180	210	240	270
	5.3%	ft/MIN	700	900	1000	1200	1300

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 16</b>	
<b>AWE REVERSAL 5</b> 5.3% to 1600 <b>118.550</b> ①	at MNM 1600 - LT HDG 322 - intercept R007 ASE - at D8.1 ASE RT direct ASE	<b>ASE MNM 5000</b> <b>ASE MNM 8000</b> (for East bound)
	<b>Runway 34</b>	
<b>AWE REVERSAL 5</b> <b>118.550</b>	intercept R338 ASE - at D1.8 ASE RT intercept R007 ASE - at D8.1 ASE RT direct ASE	<b>ASE MNM 5000</b> <b>ASE MNM 8000</b> (for East bound)

① OBST ALT 1247FT located 2NM 146° from end of RWY 16.

**KAGRA 4**

RWYs 16 (163°) / 34 (343°)

	GS	120	150	180	210	240	270
5.0%	ft/MIN	700	800	1000	1100	1300	1400
5.3%	ft/MIN	700	900	1000	1200	1300	1500

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 16</b>	
<b>KAGRA 4</b> 5.3% to <b>1600</b> <b>118.550</b> ①	at MNM <b>1600 LT</b> direct <b>AWE - R283 AWE</b> to KAGRA	<b>AWE MNM 4000</b> KAGRA MNM <b>5000</b>
	<b>Runway 34</b>	
<b>KAGRA 4</b> 5.0% to <b>1000</b> <b>118.550</b> ②	intercept R337 <b>AWE</b> - at D2.3 <b>AWE RT</b> direct <b>AWE - R283 AWE</b> to KAGRA	<b>AWE MNM 4000</b> KAGRA MNM <b>5000</b>

① OBST ALT 1247FT located at 2.0NM 146° from end of RWY 16.

② OBST ALT 696FT located at 1.4NM 021° from end of RWY 34.

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SID AWE REVERSAL 5

SIDPT

## AWE REVERSAL 5

RWYs 16 (163°) / 34 (343°)

	GS	120	150	180	210	240	270
	5.3%	ft/MIN	700	900	1000	1200	1300

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 16</b>	
<b>AWE REVERSAL 5</b> 5.3% to 1600 <b>118.550</b> ①	at MNM 1600 LT HDG 320 - intercept R005 <b>AWE</b> - at D8.5 <b>AWE RT direct AWE</b>	<b>AWE MNM 5000</b> <b>AWE MNM 8000 (for East bound)</b>
	<b>Runway 34</b>	
<b>AWE REVERSAL 5</b> <b>118.550</b>	intercept R337 <b>AWE</b> - at D2.3 <b>AWE RT</b> intercept R005 <b>AWE</b> - at D8.5 <b>AWE RT direct AWE</b>	<b>AWE MNM 5000</b> <b>AWE MNM 8000 (for East bound)</b>

① OBST ALT 1247FT located 2.0NM 146° from end of RWY 16.

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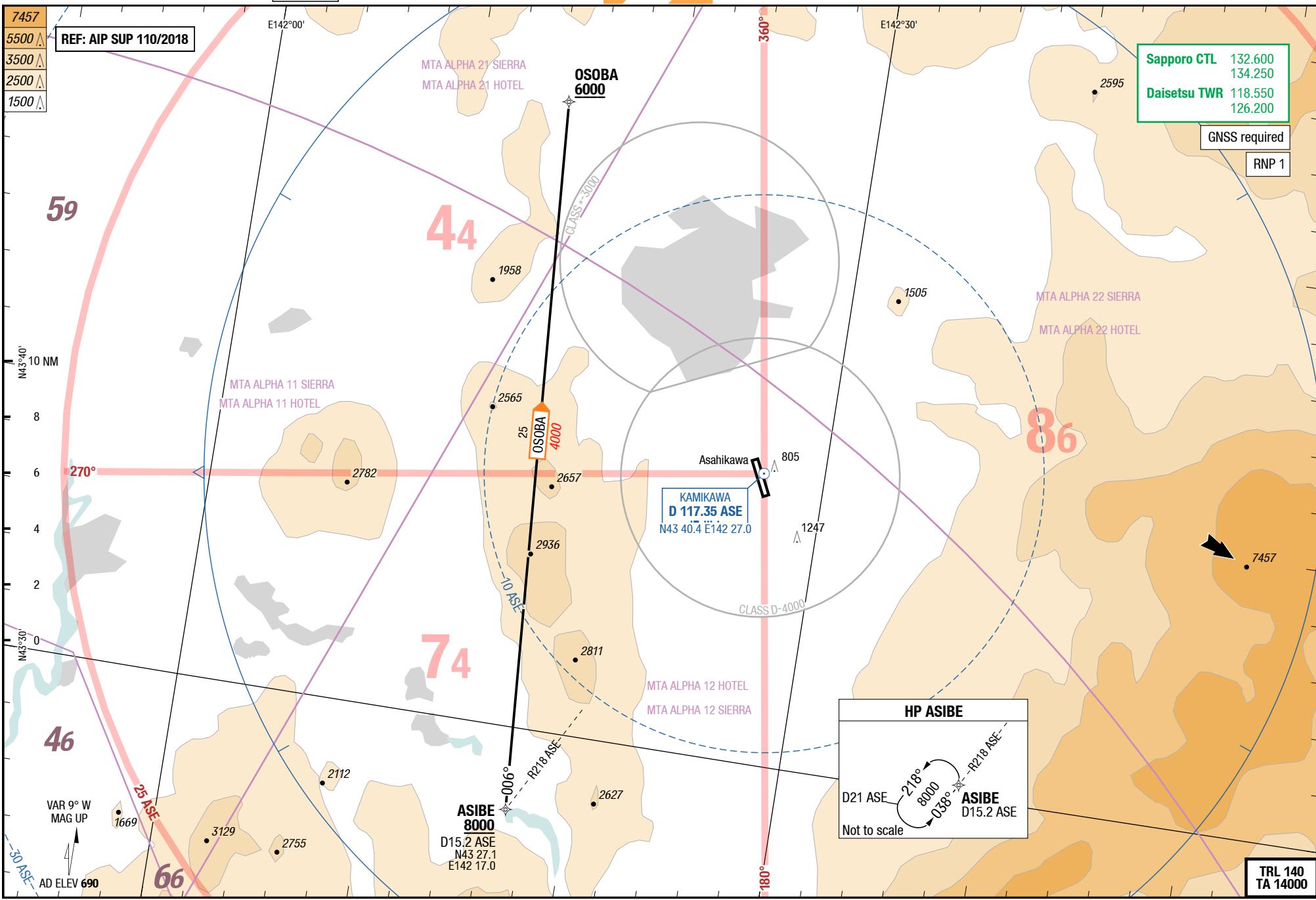
Japan Asahikawa

Tempo RNAV STAR

6-08

Asahikawa Japan

Tempo RNAV STAR



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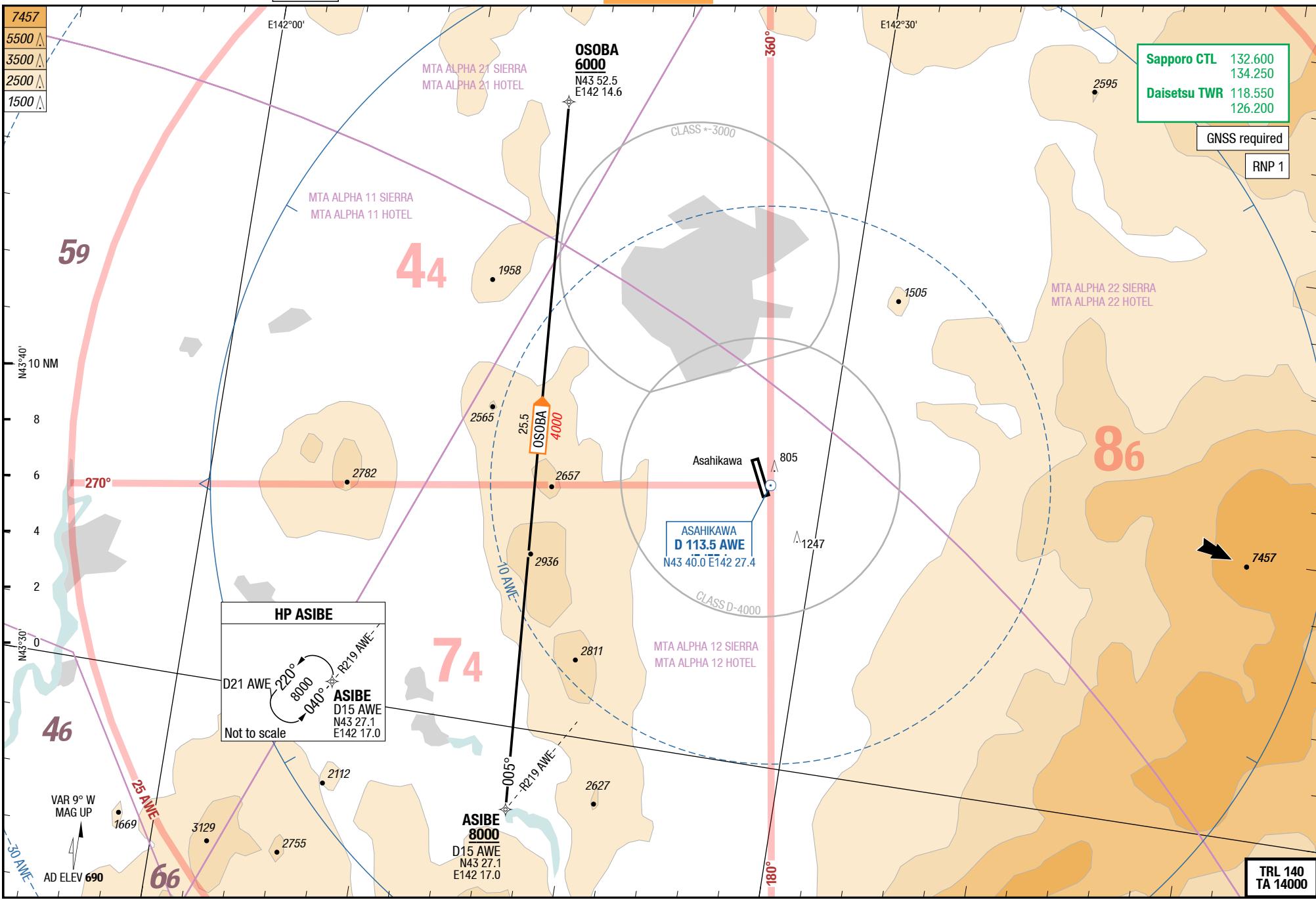
Japan Asahikawa

STAR

STAR

Asahikawa Japan

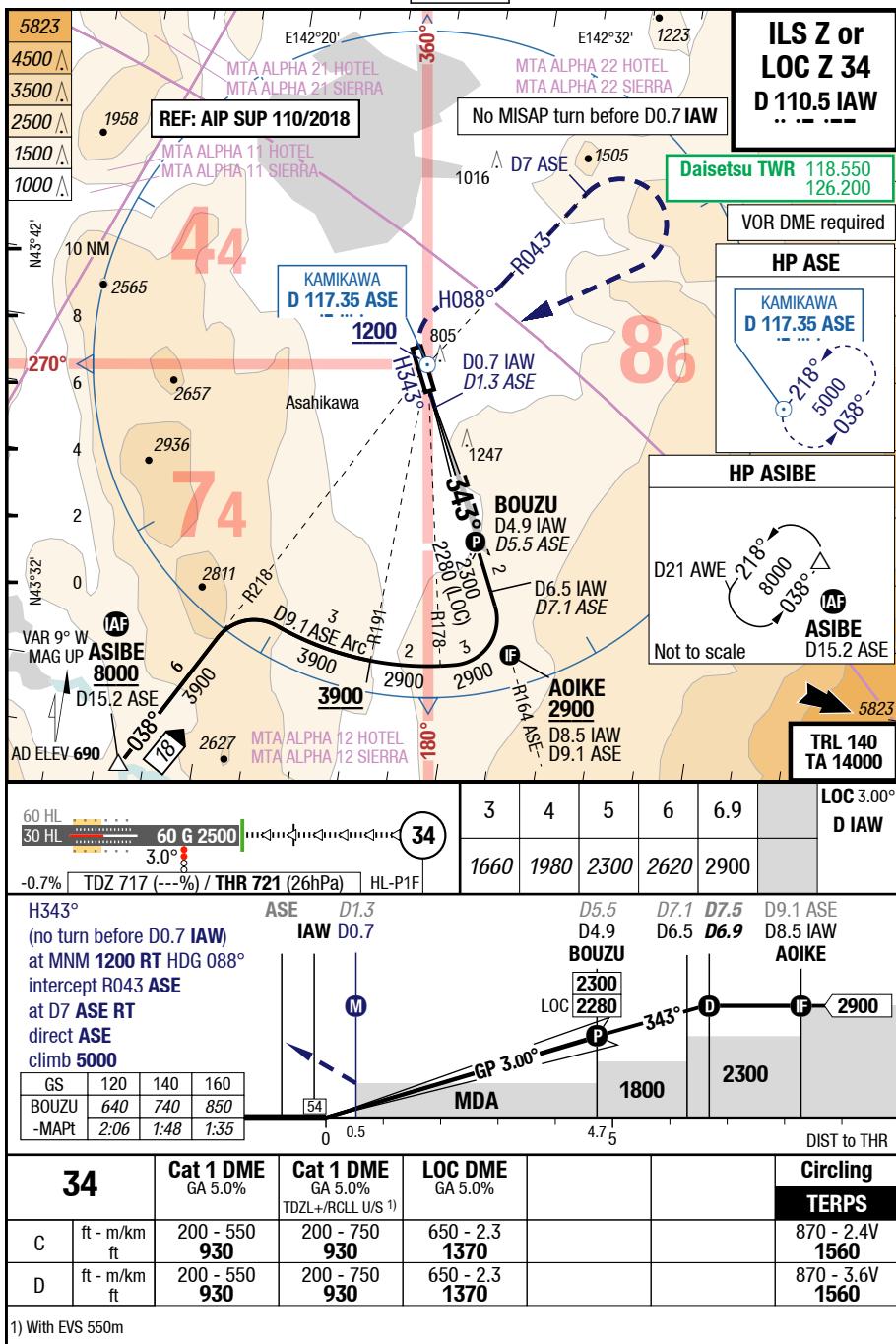
6-10



## AKJ-RJEC

7-08

## Tempo ILS Z or LOC Z 34

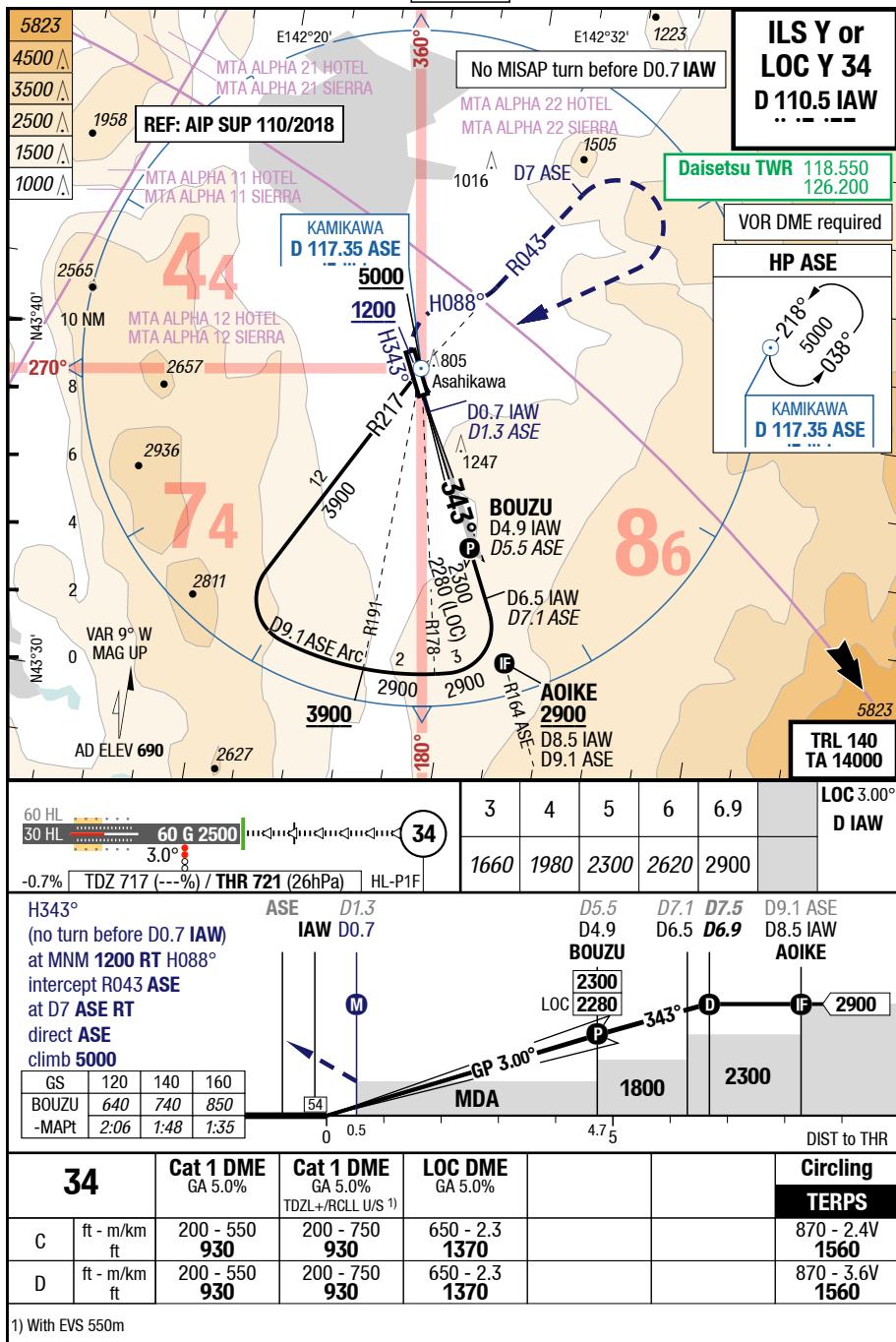


Changes: new

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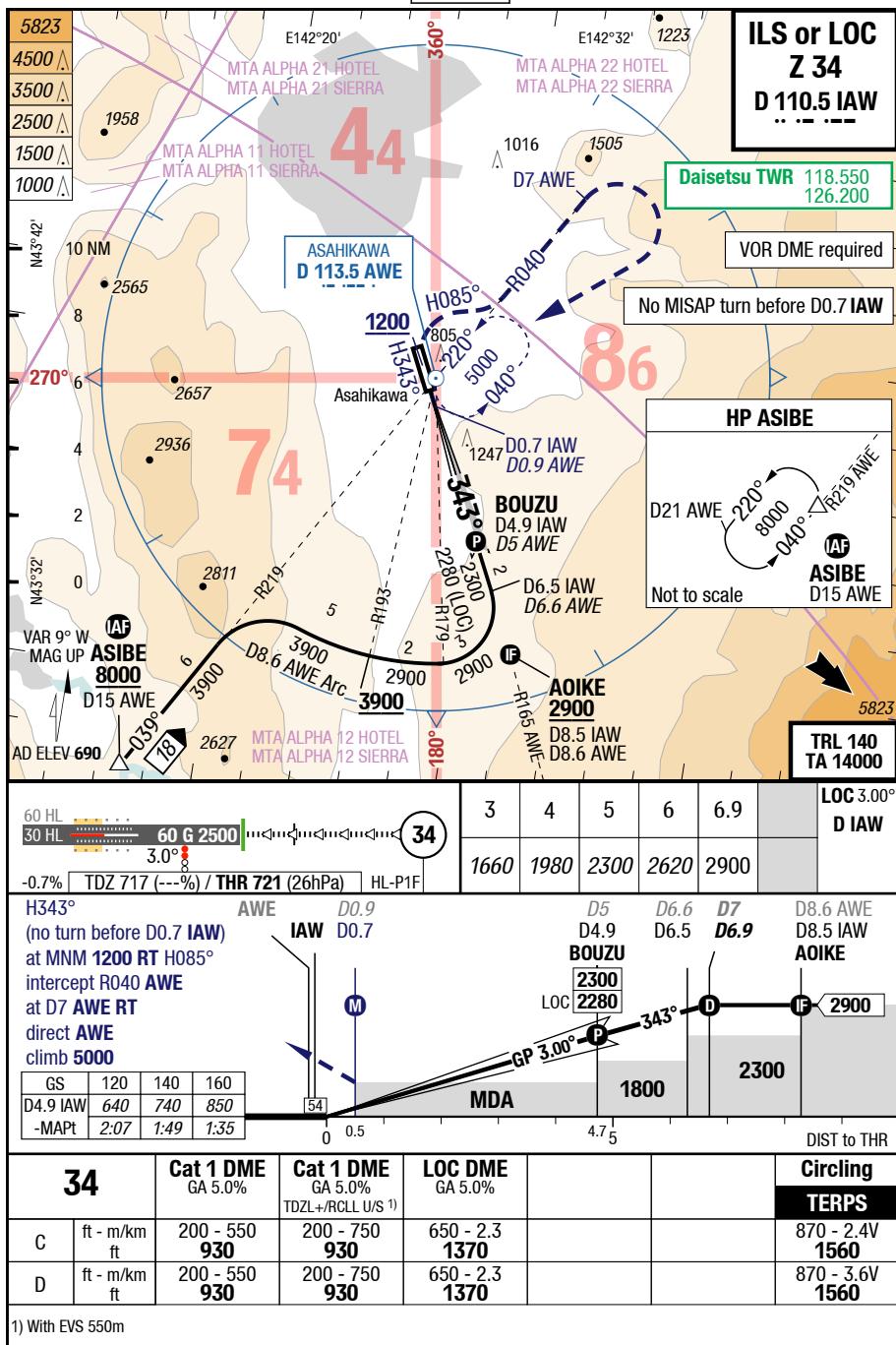
7-09

**Tempo ILS Y or LOC Y 34**



7-10

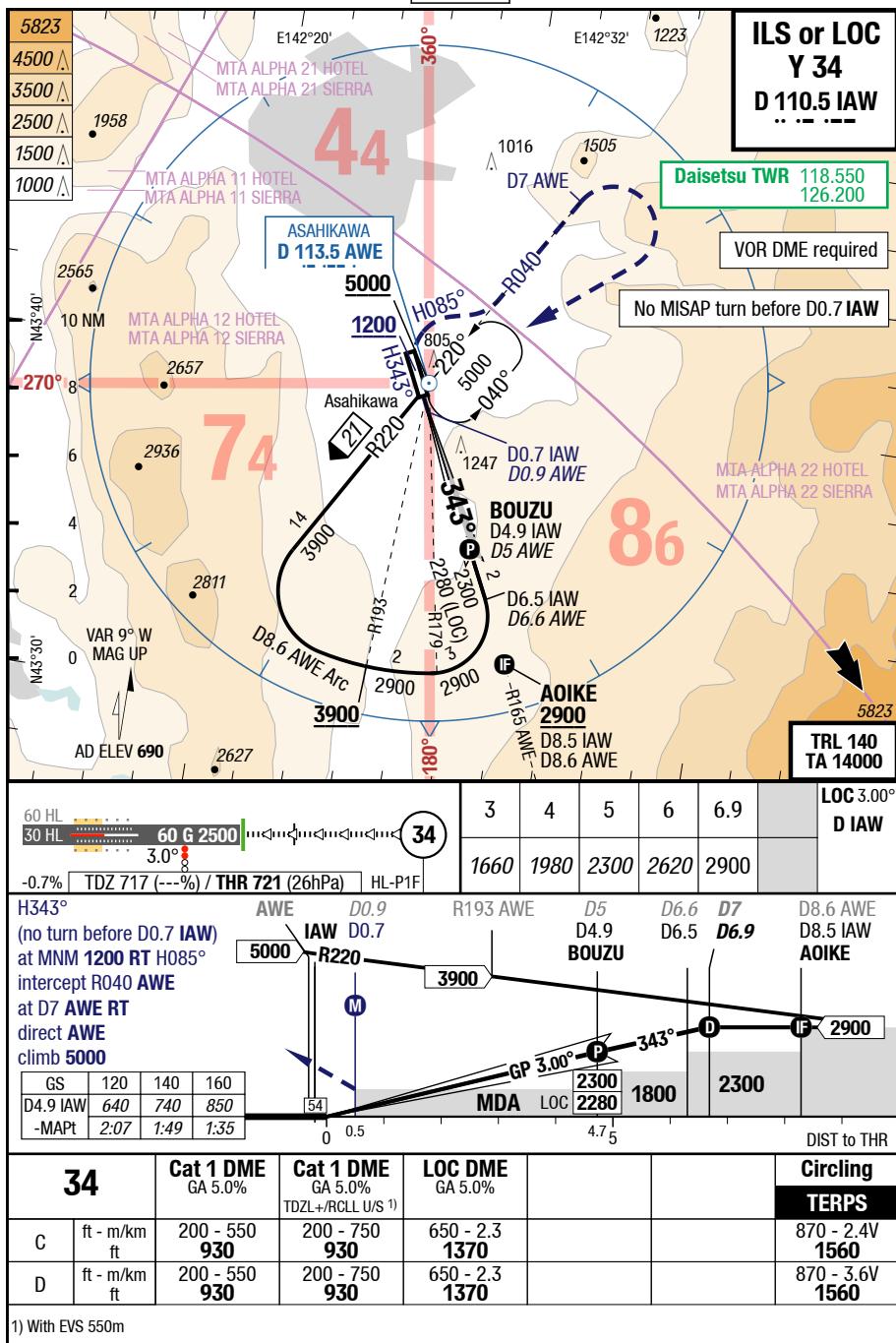
ILS or LOC Z 34



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7-20

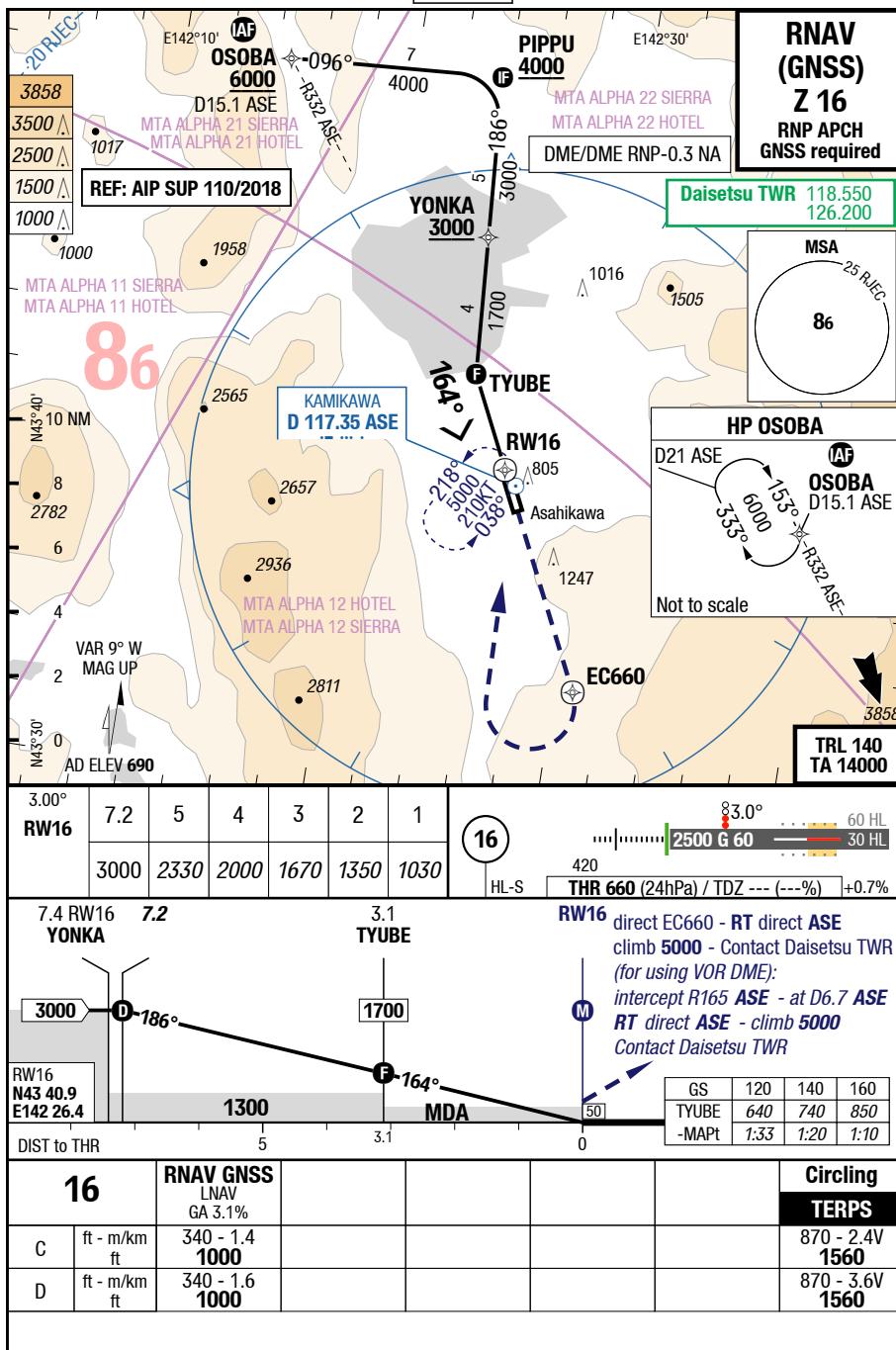
ILS or LOC Y 34



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7-28

**Tempo RNAV (GNSS) Z 16**



## Changes: new

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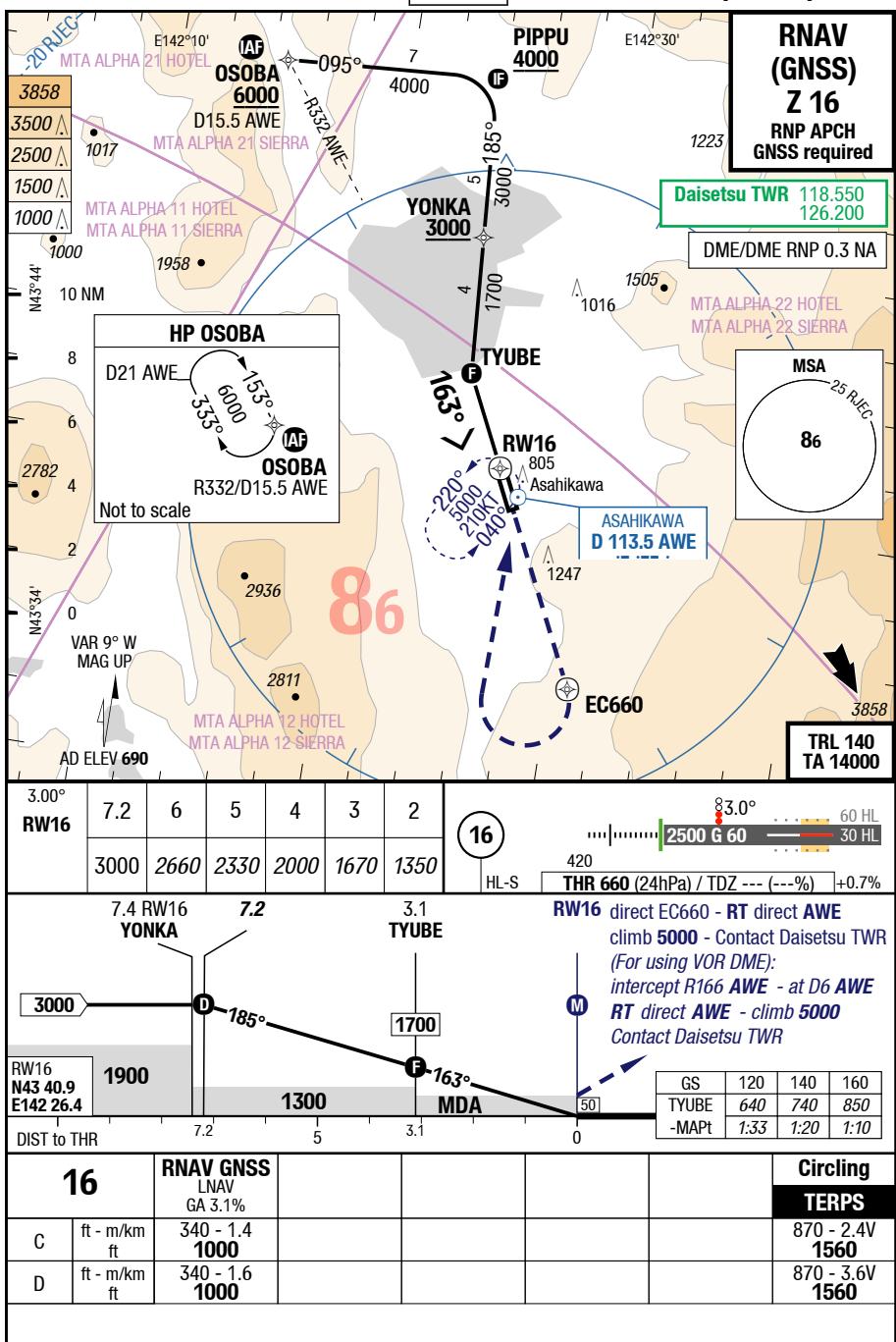
AKJ-RJEC

Japan Asahikawa

IAC

7-30

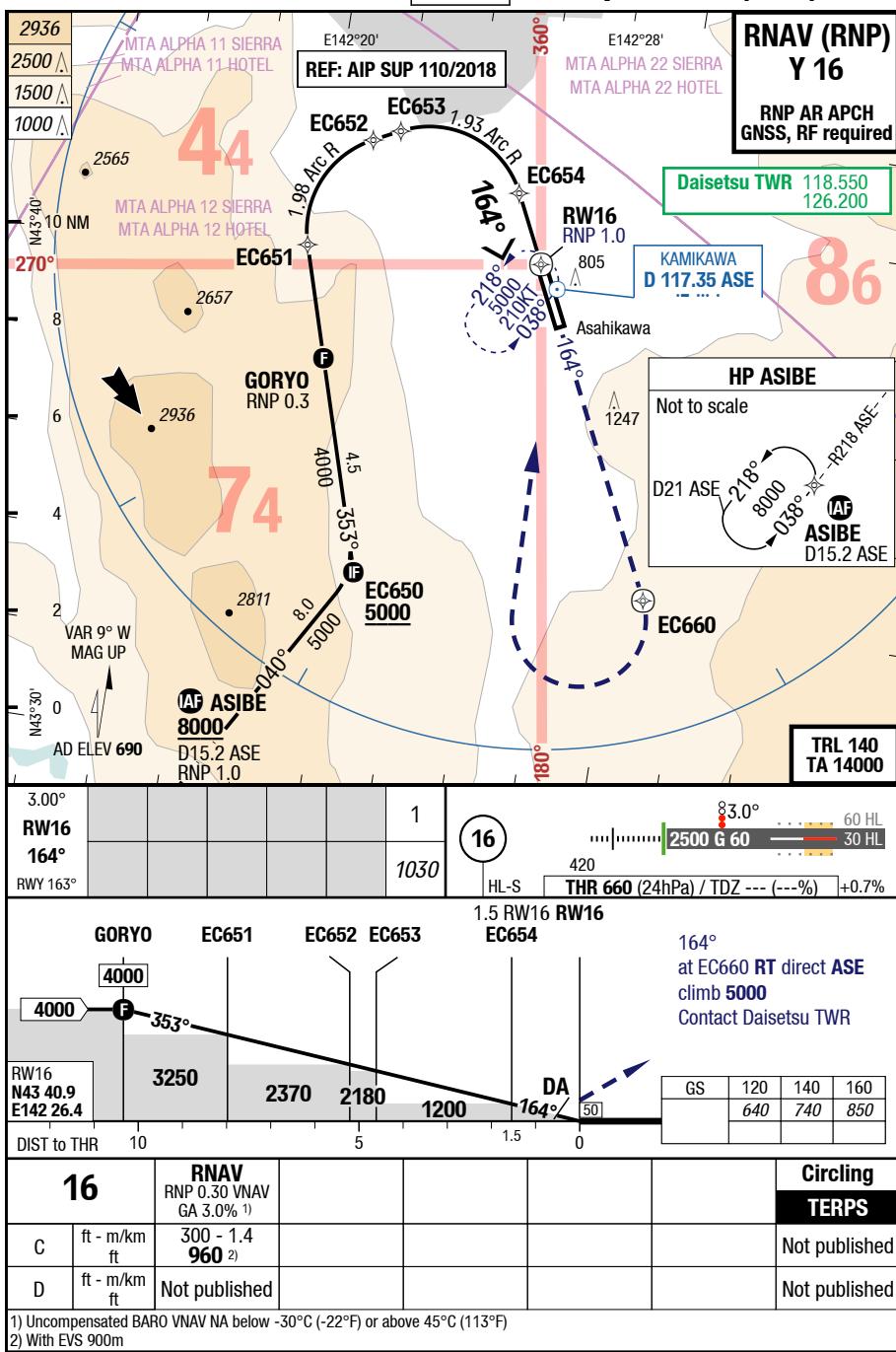
RNAV (GNSS) Z 16



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## Tempo RNAV (RNP) Y 16



Changes: new

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Japan Asahikawa

IAC

7-50

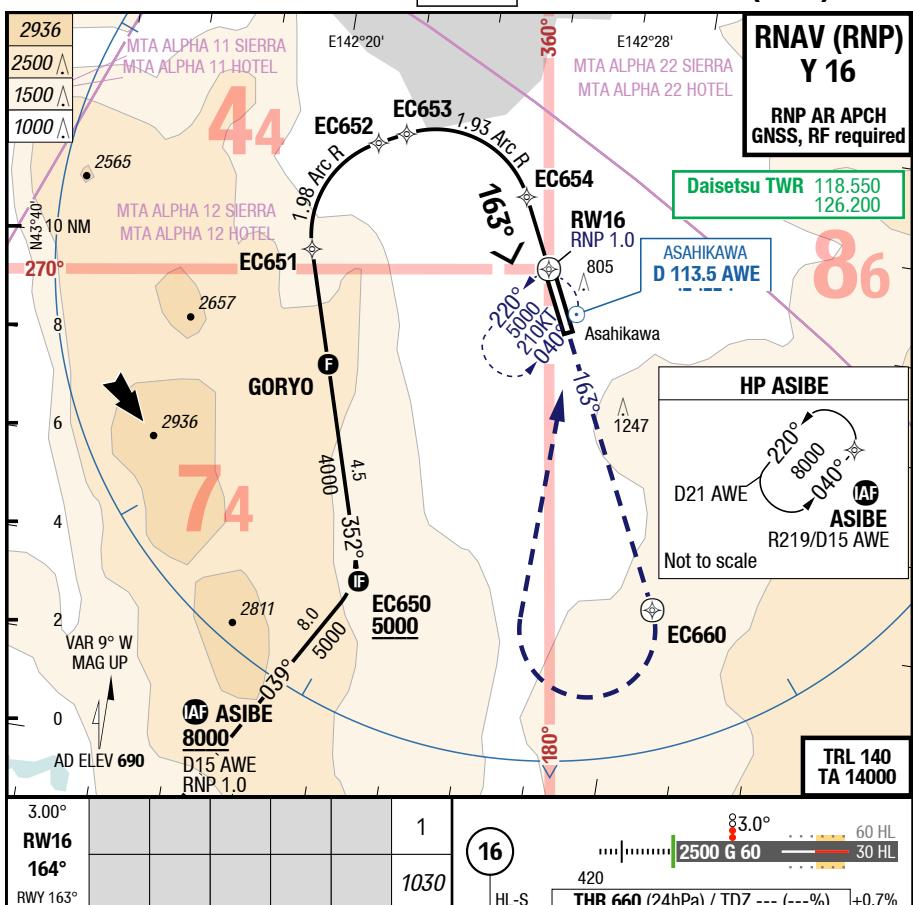
RNAV (RNP) Y 16

RNAV (RNP)

Y 16

RNP AR APCH  
GNSS, RF requiredDaisetsu TWR 118.550  
126.200

86



16		RNAV RNP 0.30 VNAV GA 3.0% <sup>1)</sup>					Circling TERPS	
C	ft - m/km ft	300 - 1.4 <b>960<sup>2)</sup></b>						Not published
D	ft - m/km ft	Not published						Not published

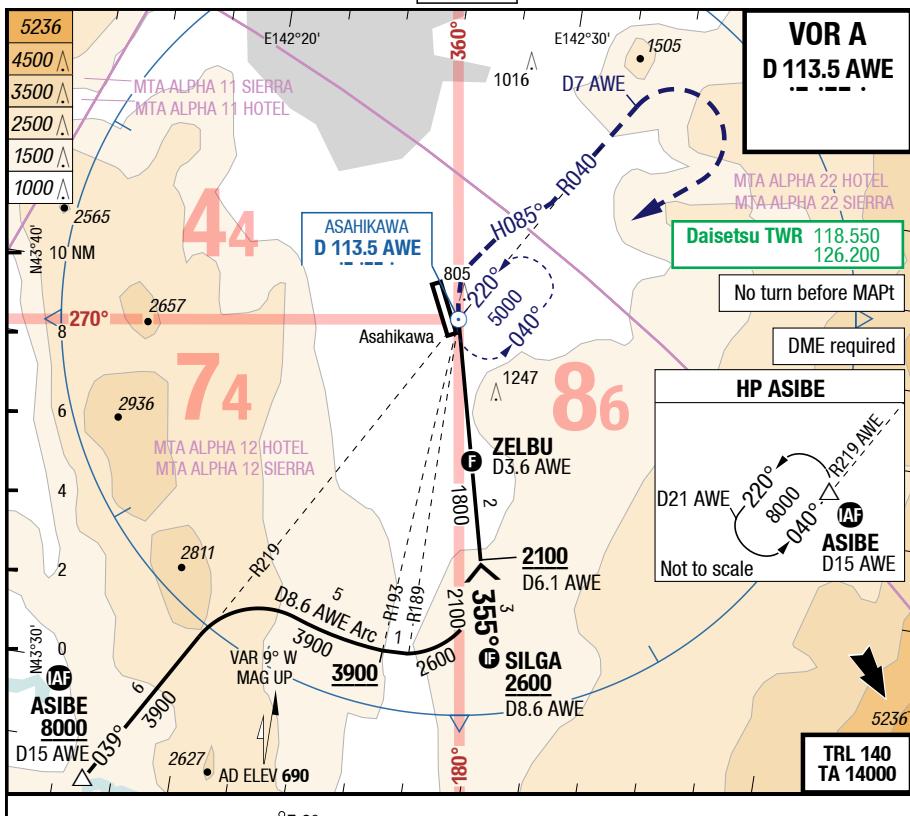
1) Uncompensated BARO VNAV NA below -30°C (-22°F) or above 45°C (113°F)

2) With EVS 900m

Changes: New

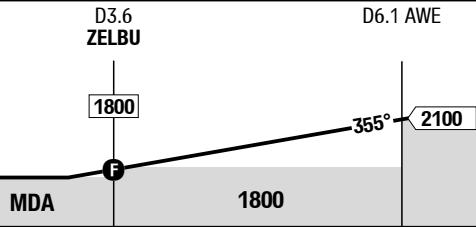
7-70

VOR A



RT H085°  
(no turn before MAPt)  
intercept R040 AWE  
at D7 AWE RT  
direct AWE  
climb 5000

GS	120	140	160
D3.6 AWE	NA	NA	NA
-MAPt	NA	NA	NA



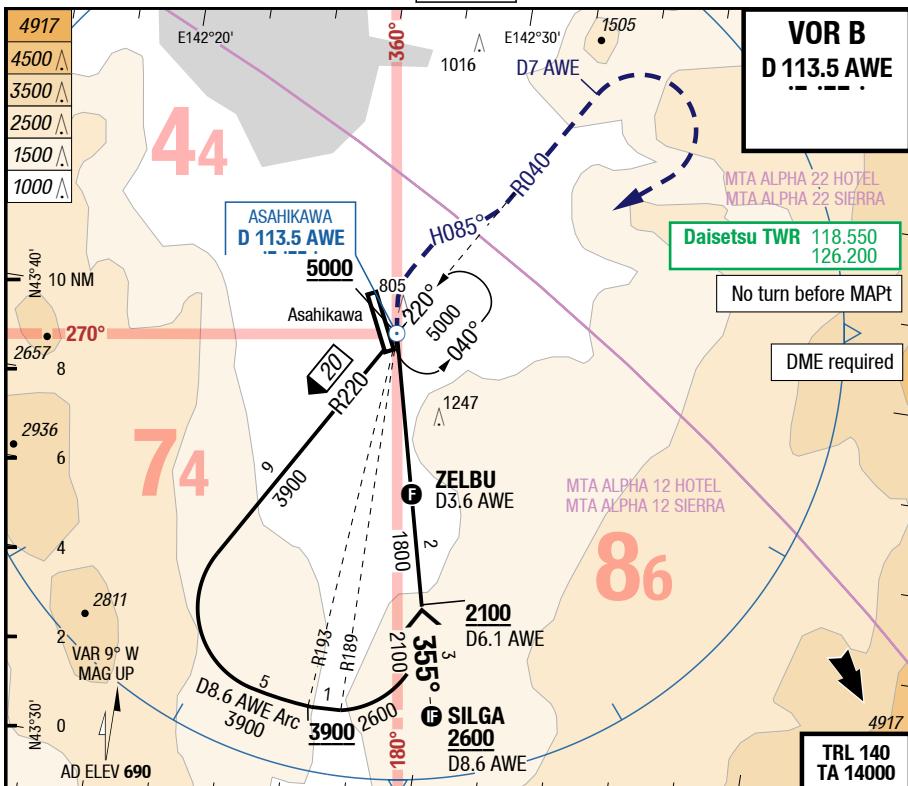
16/34				Circling <sup>1)</sup> TERPS
C	ft - m/km	ft		870 - 2.4V <b>1560</b>
D	ft - m/km	ft		870 - 3.6V <b>1560</b>

1) GA 5.0%

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7-80

**VOR B**



**RT H085°  
(no turn before MAPt)  
intercept R040 AWE  
at D7 AWE RT  
direct AWE  
climb 5000**

GS	120	140	160
D3.6 AWE			
-MAPt	NA	NA	NA

16/34

## **Circling 1) TERPS**

C	ft - m/km ft						870 - 2.4V <b>1560</b>
D	ft - m/km						870 - 3.6V

1) GA 5.0%

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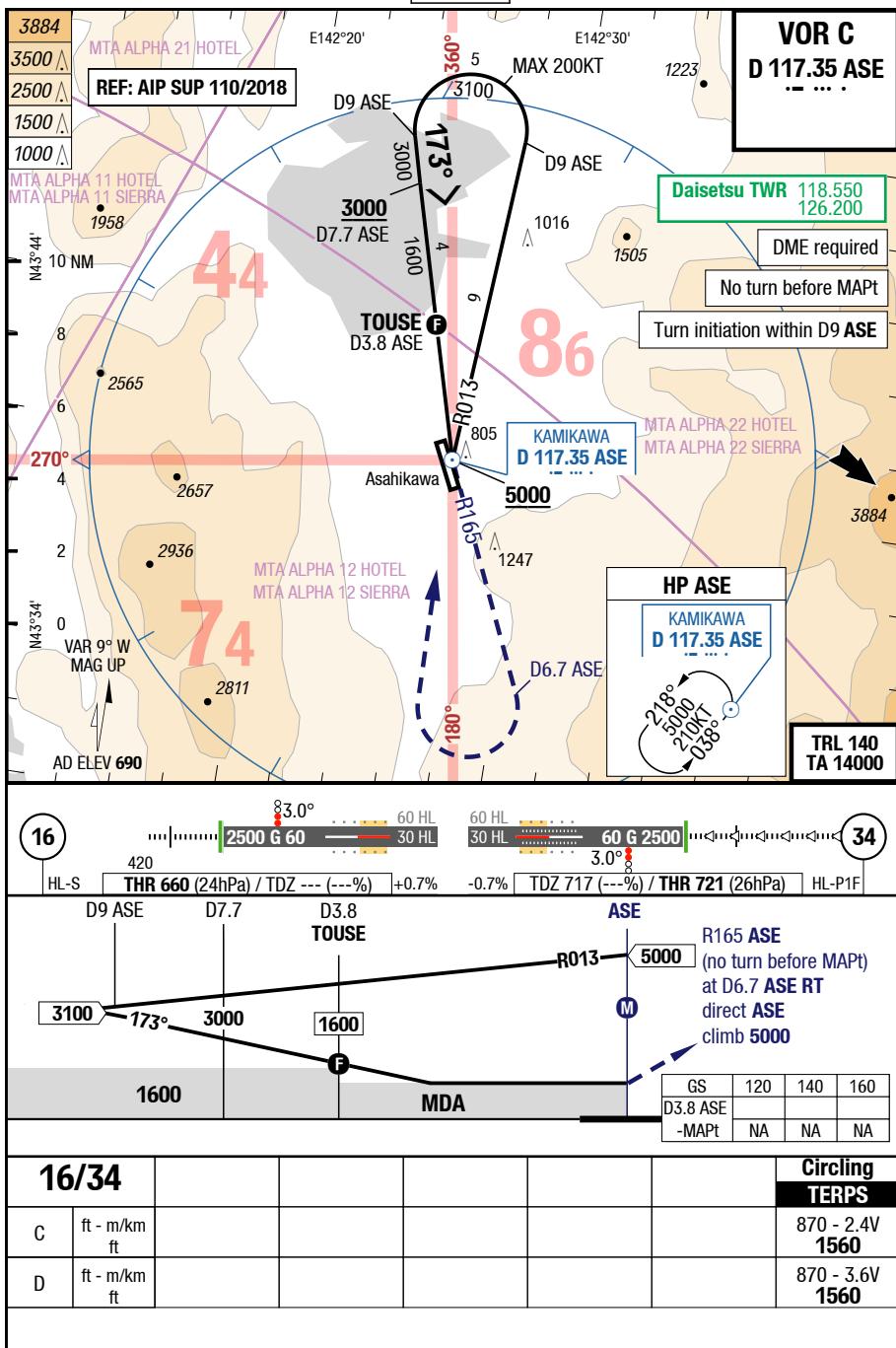
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Japan Asahikawa

IAC

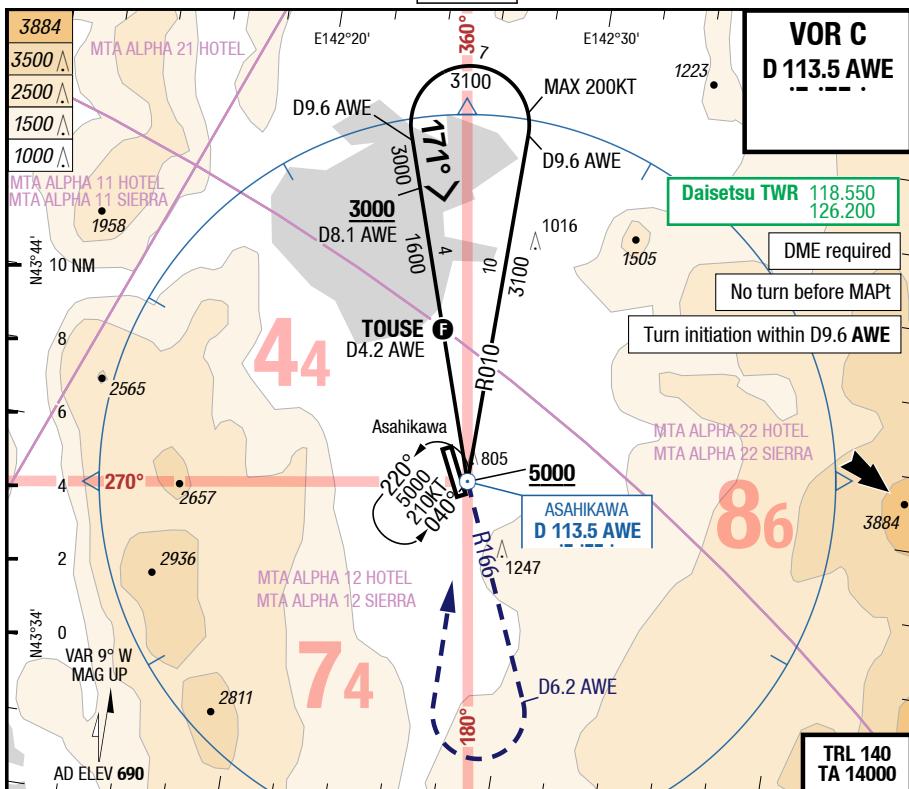
7-88

Tempo VOR C

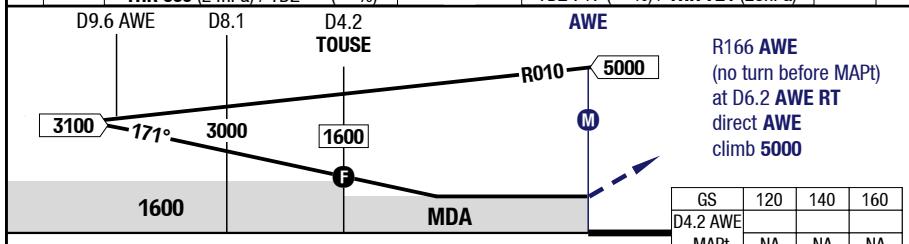


7-90

VOR C



16	2500 G 60	3.0°	60 HL	60 HL	30 HL	3.0°	60 G 2500	34
HL-S	THR 660 (24hPa) / TDZ --- (---%)	+0.7%	-0.7%	TDZ 717 (---%) / THR 721 (26hPa)	HL-P1F			



16/34		Circling TERPS		
C	ft - m/km			
ft				870 - 2.4V <b>1560</b>
D	ft - m/km			
ft				870 - 3.6V <b>1560</b>

19-APR-2018

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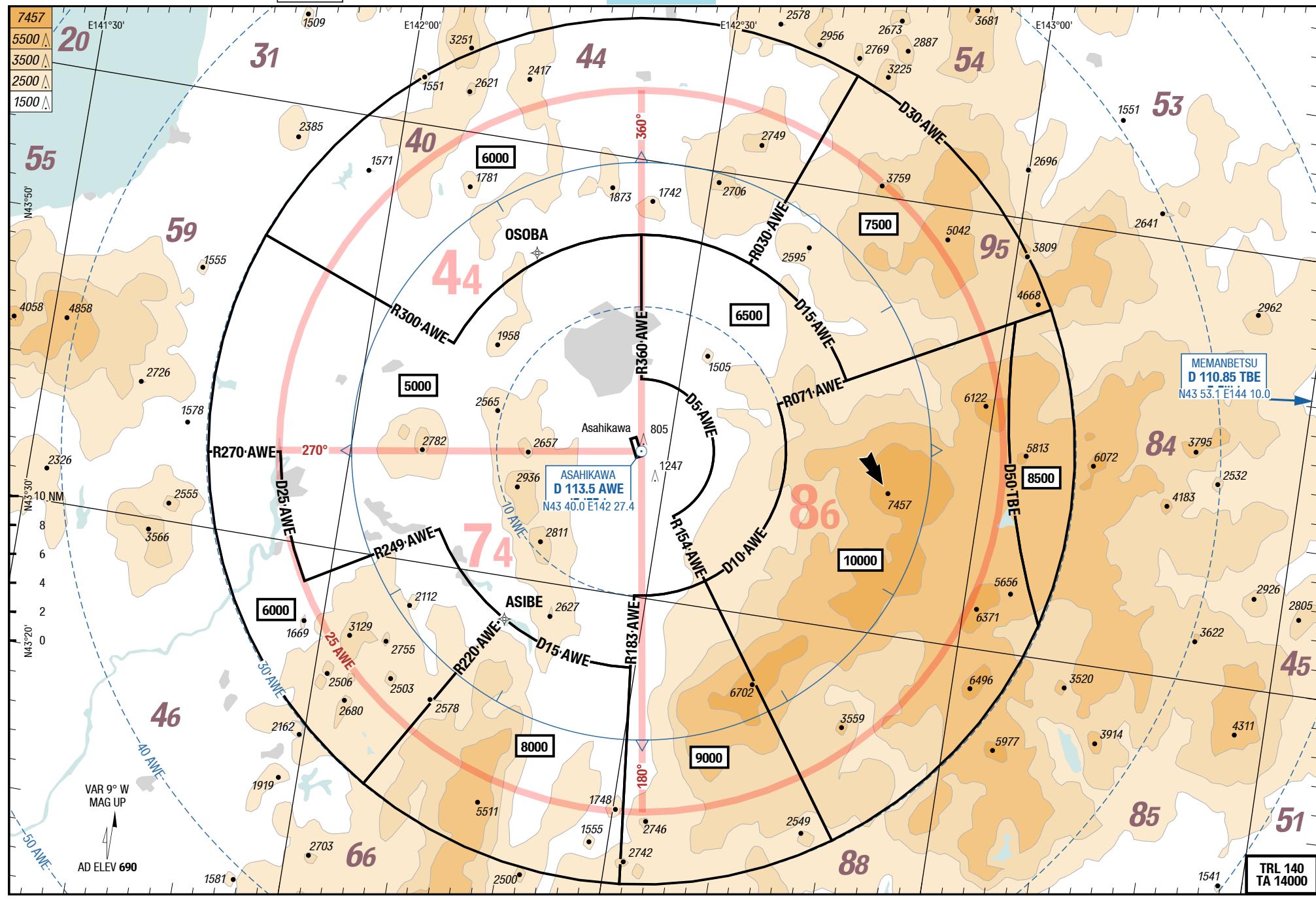
## Japan Asahikawa

MRC  
MRC

## Asahikawa Japan

MRC  
MRC

8-10



Changes: OBST