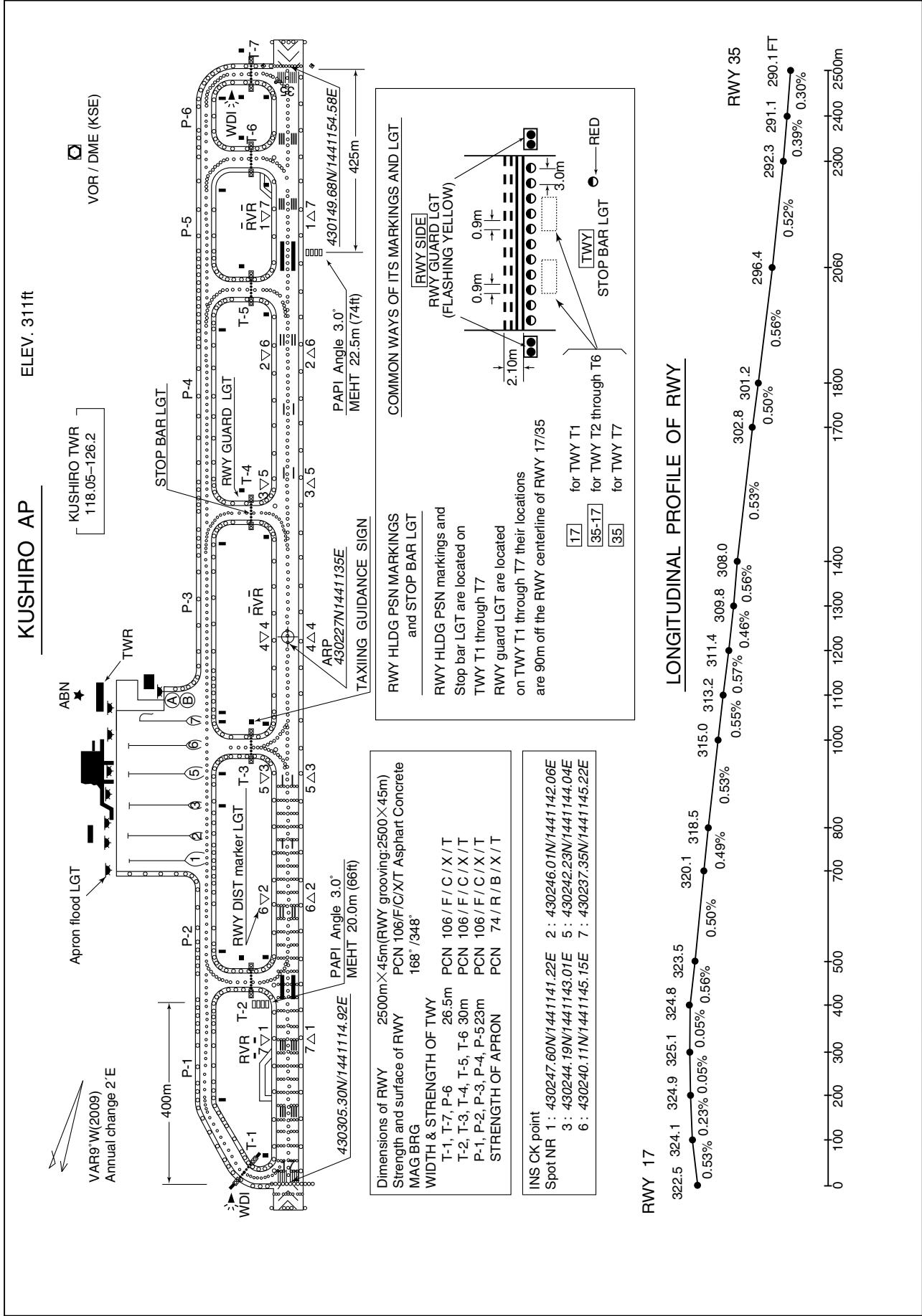


RJCK / KUSHIRO

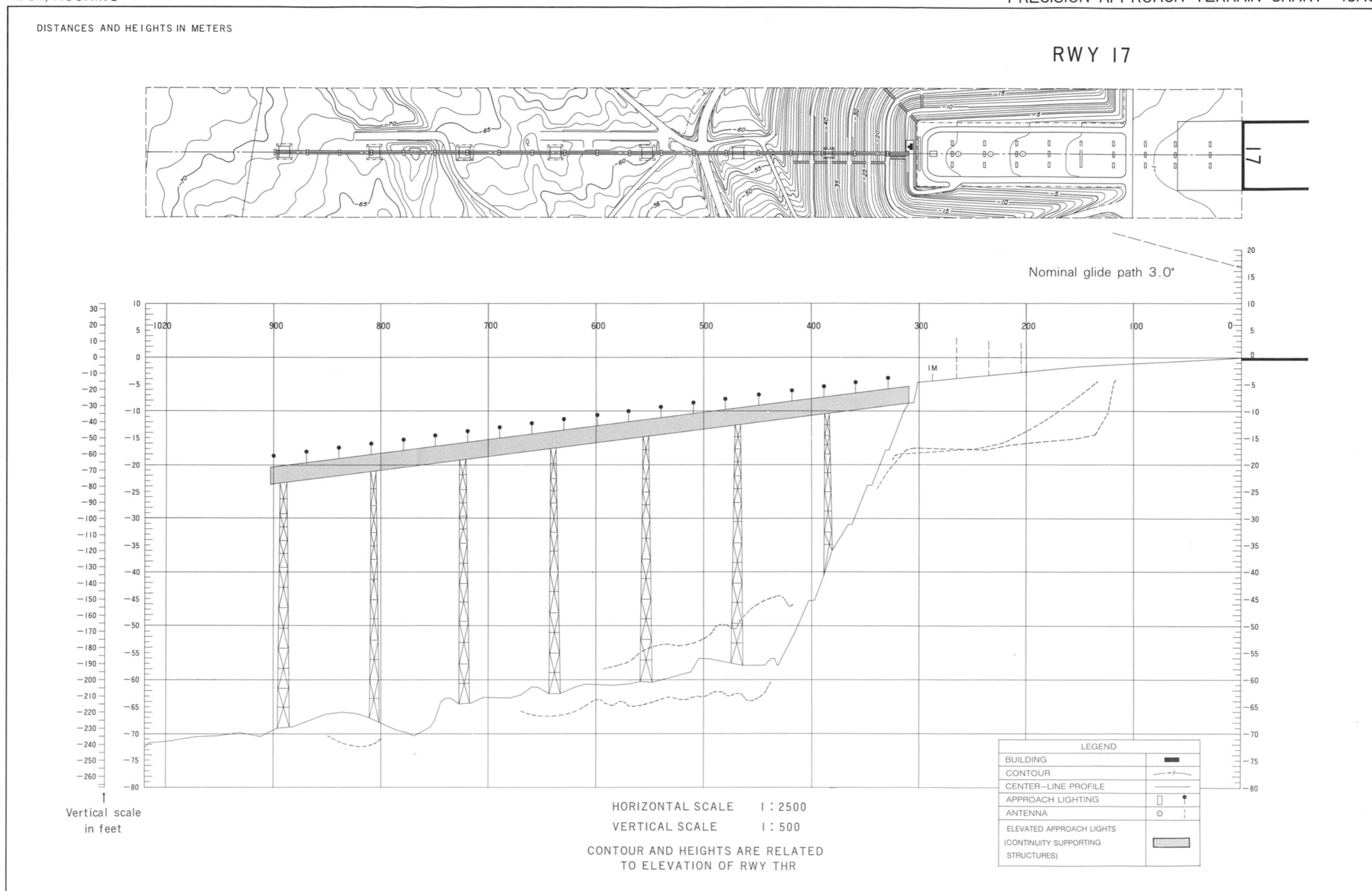
AD CHART



INTENTIONALLY LEFT BLANK

RJCK/KUSHIRO

PRECISION APPROACH TERRAIN CHART—ICAO



STANDARD DEPARTURE CHART -INSTRUMENT

RJCK / KUSHIRO

SID

ALICE THREE DEPARTURE

RWY17 : Climb RWY HDG to 1000FT, turn right...
RWY35 : Climb RWY HDG to 1000FT, turn left HDG155°...
...to intercept and proceed via KSE R200 to ALICE.
Cross ALICE at assigned altitude.

Note : No turn before DER.

ERIMO FOUR DEPARTURE

RWY17 : Climb RWY HDG to 1000FT, turn left...
RWY35 : Climb RWY HDG to 1000FT, turn left HDG116°...
...to intercept and proceed via KSE R161, via NSE R218, via KSE R200 to ERIMO.
Cross NSE R218/85.4DME at or above 10000FT.

Note : No turn before DER.

OBIHIRO THREE DEPARTURE

RWY17 : Climb RWY HDG to 1000FT, turn right HDG266°...
RWY35 : Climb RWY HDG to 1000FT, turn left HDG176°...
...to intercept and proceed via KSE R221, via OBE R097 to OBE VOR/DME.

Note : No turn before DER.

KUSHIRO REVERSAL FOUR DEPARTURE

RWY17 : Climb RWY HDG to 1000FT, turn right...
RWY35 : Climb RWY HDG to 1000FT, turn left HDG155°...
...to intercept and proceed via KSE R200 to 3000FT, turn left, direct to KSE VOR/DME.
Cross KSE VOR/DME at or above 5000FT.

Note : No turn before DER.

YUDOH TWO DEPARTURE

RWY17 : Climb RWY HDG to 1000FT, turn right HDG266°...
RWY35 : Climb RWY HDG to 1000FT, turn left HDG176°...
...to intercept and proceed via KSE R221 to YUDOH.

Note : No turn before DER.

EATAK ONE DEPARTURE

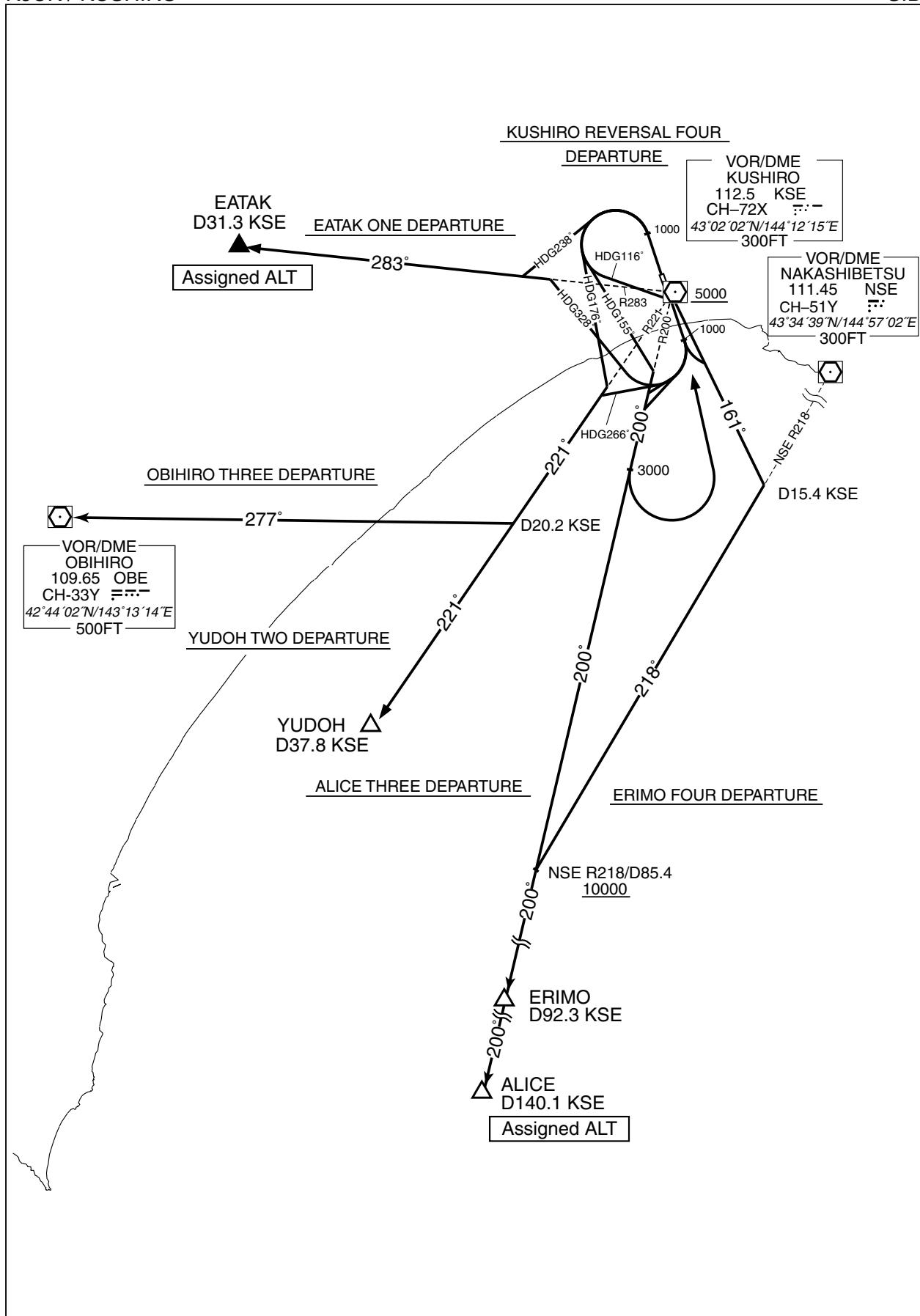
RWY17 : Climb RWY HDG to 1000FT, turn right HDG328°...
RWY35 : Climb RWY HDG to 1000FT, turn left HDG238°...
...to intercept and proceed via KSE R283 to EATAK.
Cross EATAK at assigned altitude.

Note : No turn before DER.

STANDARD DEPARTURE CHART -INSTRUMENT

RJCK / KUSHIRO

SID



STANDARD DEPARTURE CHART -INSTRUMENT

RJCK / KUSHIRO

RNAV SID

AKESI ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 9°W (2015)

AKESI ONE DEPARTURE

VOR/DME
KUSHIRO
112.5 KSE
CH-72X
43°02'02"N/144°12'15"E
300FT

AKESI
423316.4N
1440423.6E
10000

AKESI ONE DEPARTURE

RWY17 : Climb on HDG168° at or above 700FT, turn right direct to AKESI at or above 10000FT.

RWY35 : Climb on HDG348° at or above 800FT, turn left direct to AKESI at or above 10000FT.

RWY17

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | - | - | 168 (159.0) | -8.9 | - | - | +700 | - | - | Basic RNP1 |
| 002 | DF | AKESI | - | - | -8.9 | - | R | +10000 | - | - | Basic RNP1 |

RWY35

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | - | - | 348 (339.0) | -8.9 | - | - | +800 | - | - | Basic RNP1 |
| 002 | DF | AKESI | - | - | -8.9 | - | L | +10000 | - | - | Basic RNP1 |

STANDARD DEPARTURE CHART -INSTRUMENT

RJCK / KUSHIRO

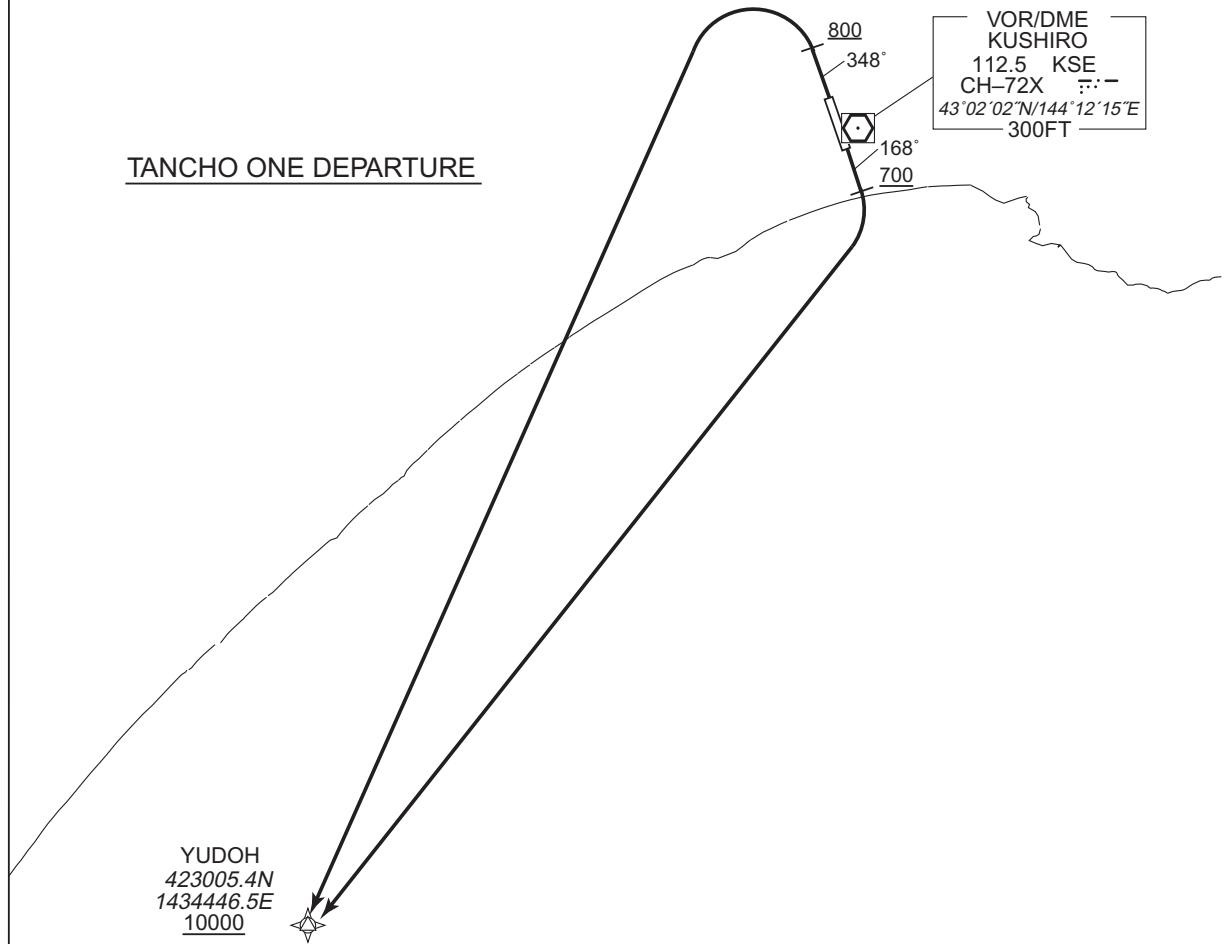
RNAV SID

TANCHO ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 9°W (2015)

TANCHO ONE DEPARTURETANCHO ONE DEPARTURE

RWY17 : Climb on HDG168° at or above 700FT, turn right direct to YUDOH at or above 10000FT.

RWY35 : Climb on HDG348° at or above 800FT, turn left direct to YUDOH at or above 10000FT.

RWY17

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | — | — | 168 (159.0) | -8.9 | — | — | +700 | — | — | Basic RNP1 |
| 002 | DF | YUDOH | — | — | -8.9 | — | R | +10000 | — | — | Basic RNP1 |

RWY35

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | — | — | 348 (339.0) | -8.9 | — | — | +800 | — | — | Basic RNP1 |
| 002 | DF | YUDOH | — | — | -8.9 | — | L | +10000 | — | — | Basic RNP1 |

STANDARD DEPARTURE CHART -INSTRUMENT

RJCK / KUSHIRO

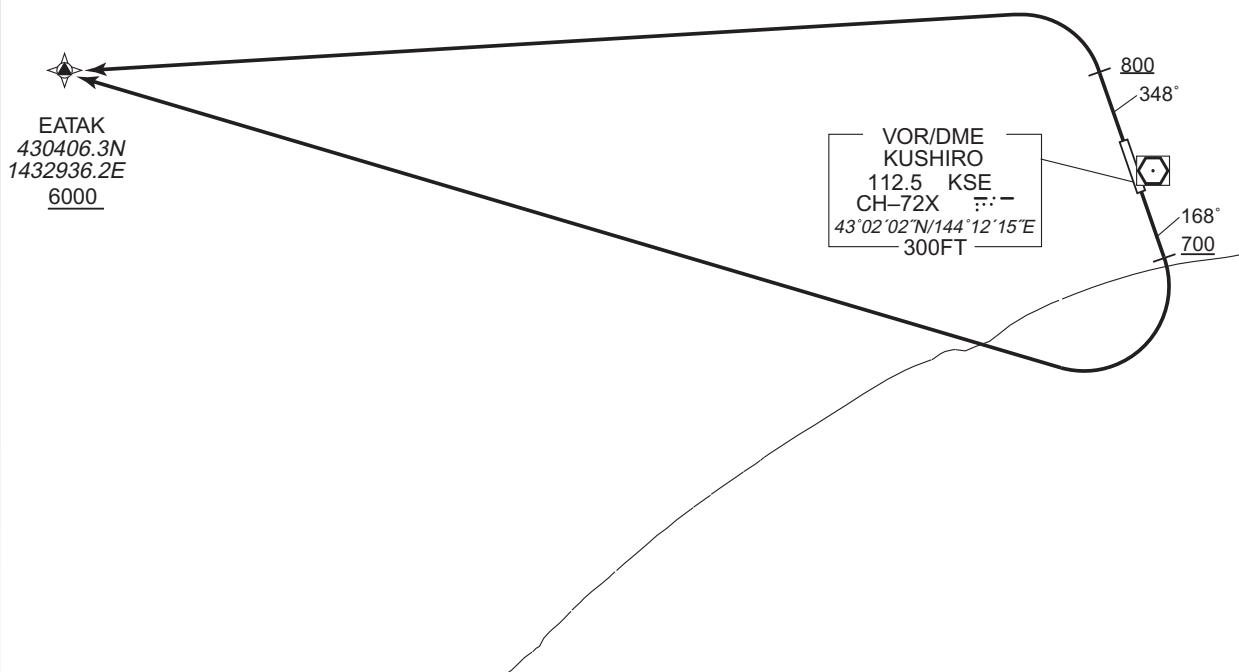
RNAV SID

ASHORO ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 9°W (2015)

ASHORO ONE DEPARTUREASHORO ONE DEPARTURE

RWY17 : Climb on HDG168° at or above 700FT, turn right direct to EATAK at or above 6000FT.

RWY35 : Climb on HDG348° at or above 800FT, turn left direct to EATAK at or above 6000FT.

Note RWY17: No turn before DER.

RWY17

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | – | – | 168 (159.0) | -8.9 | – | – | +700 | – | – | Basic RNP1 |
| 002 | DF | EATAK | – | – | -8.9 | – | R | +6000 | – | – | Basic RNP1 |

RWY35

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | VA | – | – | 348 (339.0) | -8.9 | – | – | +800 | – | – | Basic RNP1 |
| 002 | DF | EATAK | – | – | -8.9 | – | L | +6000 | – | – | Basic RNP1 |

INTENTIONALLY LEFT BLANK

STANDARD ARRIVAL CHART -INSTRUMENT

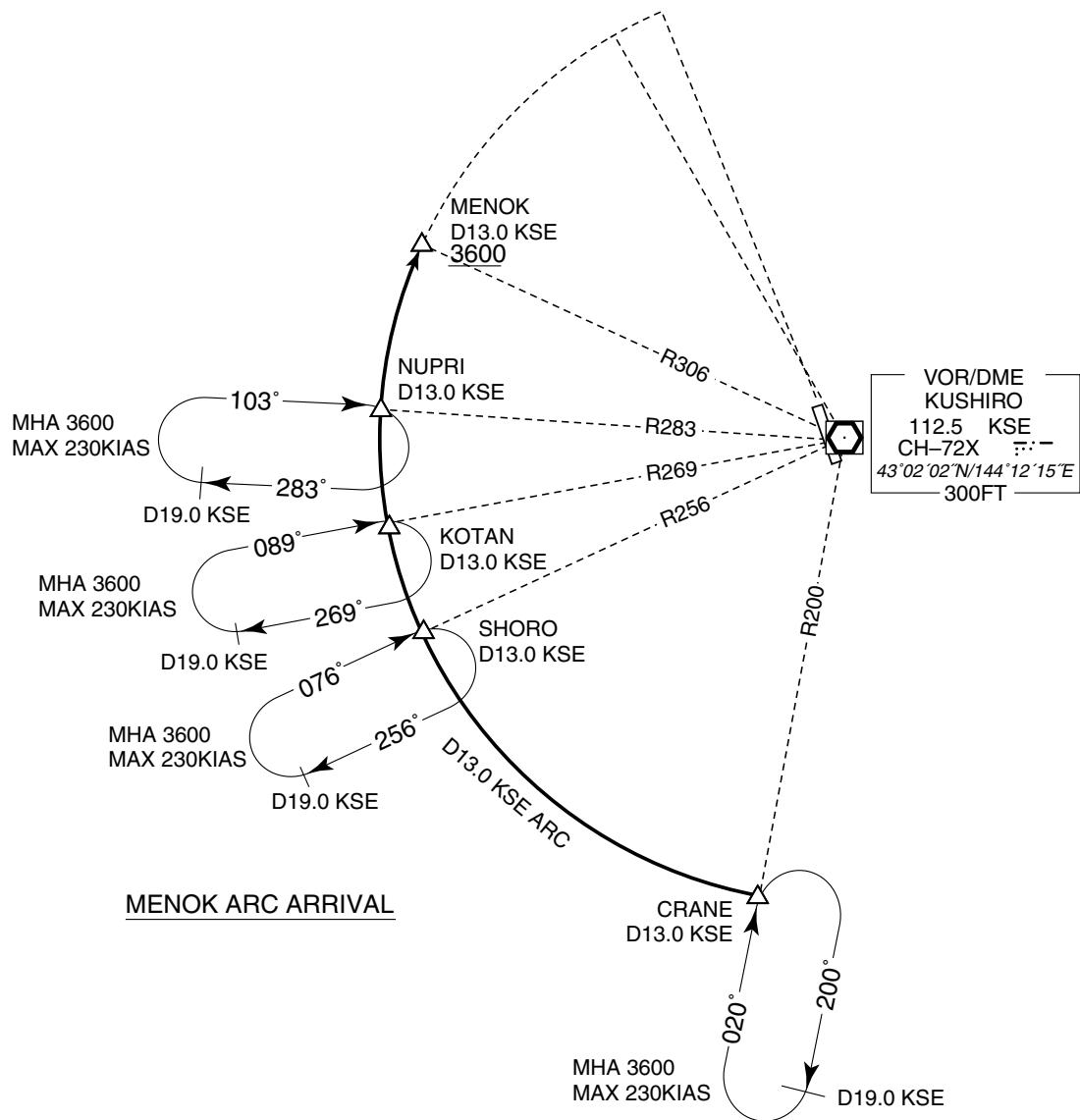
RJCK / KUSHIRO

STAR

MENOK ARC ARRIVAL

From over CRANE, SHORO, KOTAN, NUPRI, via KSE 13.0DME clockwise ARC to MENOK.

Cross MENOK at or above 3600FT.



STANDARD ARRIVAL CHART -INSTRUMENT

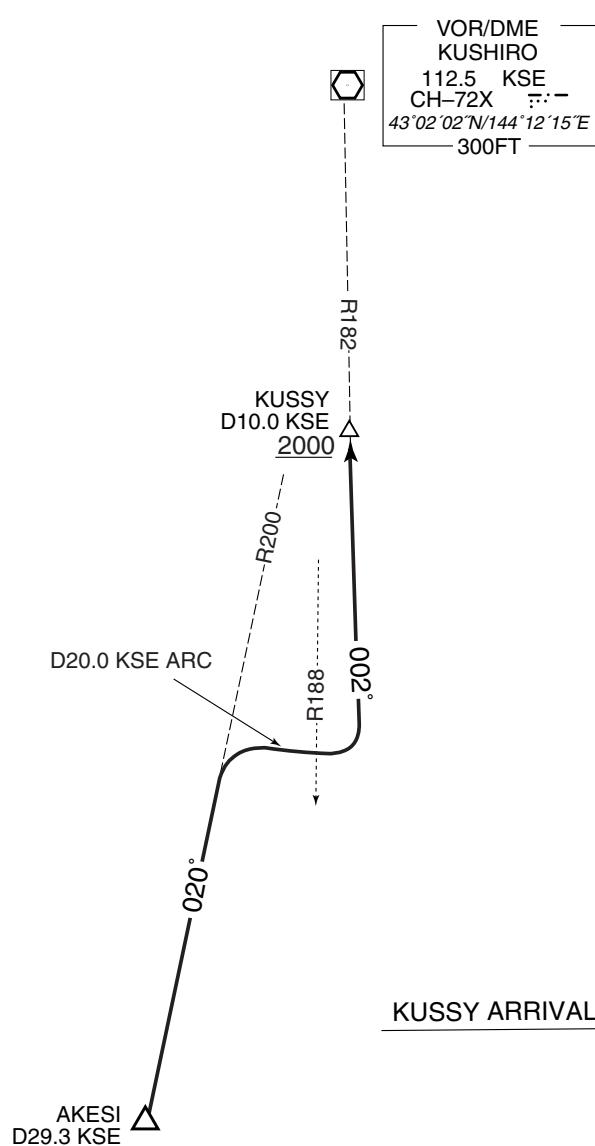
RJCK / KUSHIRO

STAR

KUSSY ARRIVAL

From over AKESI, via KSE R200 to intercept and proceed via KSE 20.0DME counterclockwise ARC, via KSE R182 to KUSSY.

Cross KUSSY at or above 2000FT.



STANDARD ARRIVAL CHART -INSTRUMENT

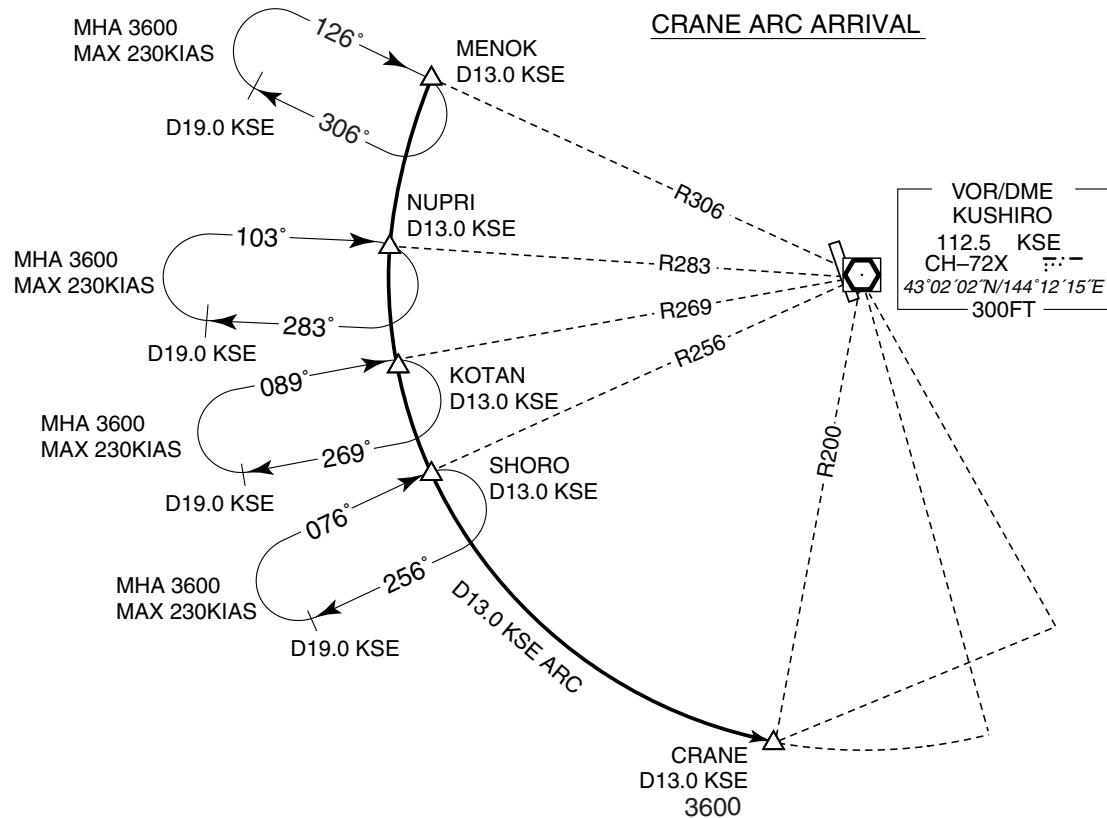
RJCK / KUSHIRO

STAR

CRANE ARC ARRIVAL

From over MENOK, NUPRI, KOTAN, SHORO, via KSE 13.0DME counterclockwise ARC to CRANE.

Cross CRANE at or above 3600FT.



STANDARD ARRIVAL CHART -INSTRUMENT

RJCK / KUSHIRO

RNAV STAR RWY17

MENOK ARRIVAL

Basic RNP1

Note GNSS required.

VAR 9°W (2015)

MENOK
43°07'48.9N
143°56'22.0E
3600

359°

11.0

VOR/DME
KUSHIRO
112.5 KSE
CH-72X $\frac{1}{2} \text{--}$
43°02'02"N/144°12'15"E
300FT

CK760
42°56'58.5N
143°58'54.2E
6000

359°

24.1

MENOK ARRIVAL

AKESI
42°33'16.4N
144°04'23.6E

MENOK ARRIVAL

From AKESI, to CK760 at or above 6000FT, to MENOK at or above 3600FT.

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | AKESI | — | — | -8.9 | — | — | — | — | — | Basic RNP1 |
| 002 | TF | CK760 | — | 359 (350.4) | -8.9 | 24.1 | — | +6000 | — | — | Basic RNP1 |
| 003 | TF | MENOK | — | 359 (350.3) | -8.9 | 11.0 | — | +3600 | — | — | Basic RNP1 |

STANDARD ARRIVAL CHART -INSTRUMENT

RJCK / KUSHIRO

RNAV STAR RWY17

MARNY ARRIVAL

Basic RNP1

Note GNSS required.

VAR 9°W (2015)

VOR/DME
KUSHIRO
112.5 KSE
CH-72X
43°02'02"N/144°12'15"E
300FT

MARNY ARRIVAL

MARNY
425443.3N
1442145.2E
3800

CRANE
424916.8N
1440846.6E

11.0
069°

MARNY ARRIVAL

From CRANE, to MARNY at or above 3800FT.

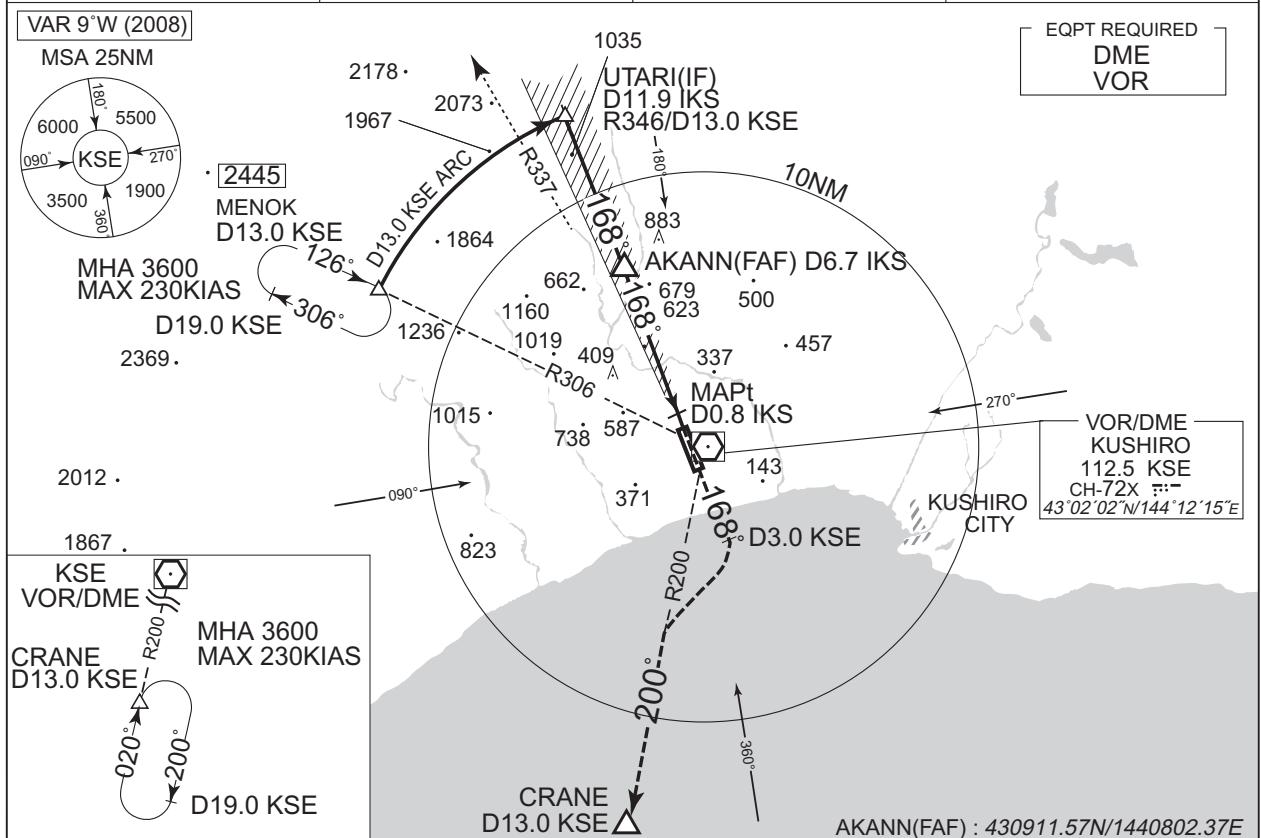
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | CRANE | — | — | -8.9 | — | — | — | — | — | Basic RNP1 |
| 002 | TF | MARNY | — | 069 (060.2) | -8.9 | 11.0 | — | +3800 | — | — | Basic RNP1 |

INSTRUMENT APPROACH CHART

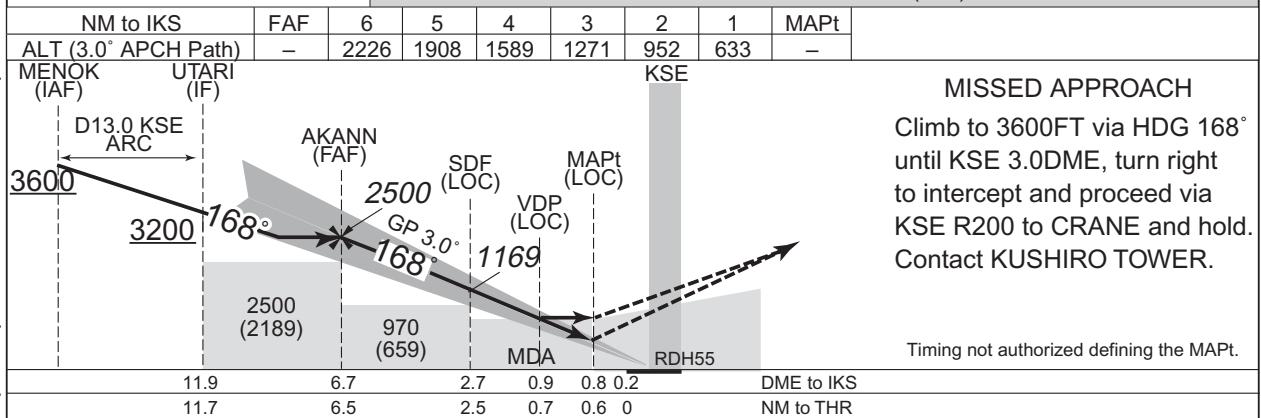
RJCK / KUSHIRO

ILS or LOC RWY17 (CAT III)

| | | | |
|--|--|---------------------------------|----------|
| SAPPORO CONTROL 128.325 – 246.1 134.25 – 260.4 | ILS-LOC 108.9 IKS ::- ILS-GP 329.3 ILS-DME CH-26X | KUSHIRO TOWER 118.05 – 126.2 | NO RADAR |
|--|--|---------------------------------|----------|



CHANGE : Correction of missdescription(EQPT REQUIRED)



MINIMA THR elev. 323 AD elev. 311

| CAT | CAT III B | CAT III A | CAT II | | | CAT I | | LOC | | CIRCLING | |
|-----|-----------|-----------|-----------------|-----------|-----|-----------|---------|-----------|-----------|----------|-----|
| | RVR | RVR | DA(H) | RA | RVR | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 100 | 175 | Not applicable. | 523 (200) | 550 | 590 (279) | 800 | 730 (419) | | 1600 | |
| B | | | | | | | | 770 (459) | | | |
| C | | | | | | | | 2400 | | | |
| D | | | | | | | | 1200 | 870 (559) | 3200 | |

Circling to EAST side of RWY only

Values of RA may increase or decrease rapidly affected by terrain between IKS 0.4DME and 0.8DME

INSTRUMENT APPROACH CHART

RJCK / KUSHIRO

VOR RWY17

SAPPORO CONTROL
128.325 – 246.1
134.25 – 260.4

KUSHIRO VOR/DME
112.5 KSE
CH-72X
43°02'02"N/144°12'15"E

KUSHIRO TOWER
118.05 – 126.2

NO RADAR

VAR 9°W (2008)
MSA 25NM

EQPT REQUIRED DME

Approach Routes:

- MENOK (IAF) D13.0 KSE:** MAX 230KIAS, D19.0 KSE, 2369.
- GENYA(IF) D13.0 KSE:** 2073, 1967, 1864, 1236, 1160, 1019, 409, 337, 143, 371, 823.
- ICORO(FAF) D8.0 KSE:** 161°, 662, 679, 623, 500, 457.
- MAPt D1.3 KSE:** 378, 587.
- CRANE D13.0 KSE:** 200°, 161°, 1328, 1100 (789), 2500 (2189).

Map Labels: KSE VOR/DME, CRANE D13.0 KSE, KUSHIRO CITY.

ICORO(FAF) : 430907.97N/1440713.77E

Missed Approach Procedure (MAPt):

MINIMA THR elev. 323 AD elev. 311

| CAT | CIRCLING | | | |
|-----|-----------|-----------|-----------|------|
| | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 1000 | | 1600 | |
| B | 780 (469) | 1200 | 780 (469) | 2400 |
| C | | | | |
| D | 1600 | 870 (559) | 3200 | |

Circling to EAST side of RWY only.

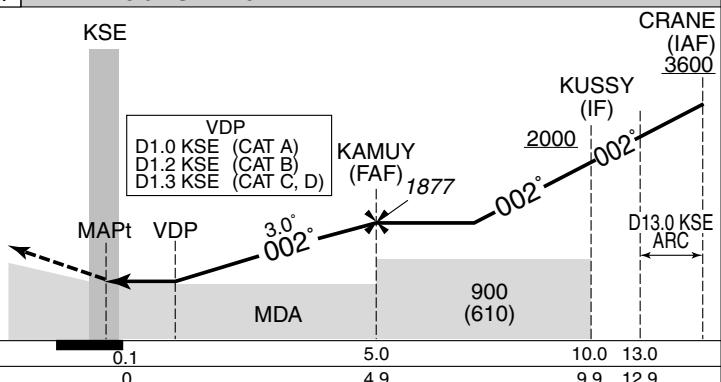
INSTRUMENT APPROACH CHART

RJCK / KUSHIRO

VOR Z RWY35

MISSED APPROACH

Climb to 3600FT via KSE R002 to KSE 3.0DME, turn left to intercept and proceed via KSE R283 to NUPRI and hold.
Contact KUSHIRO TOWER.



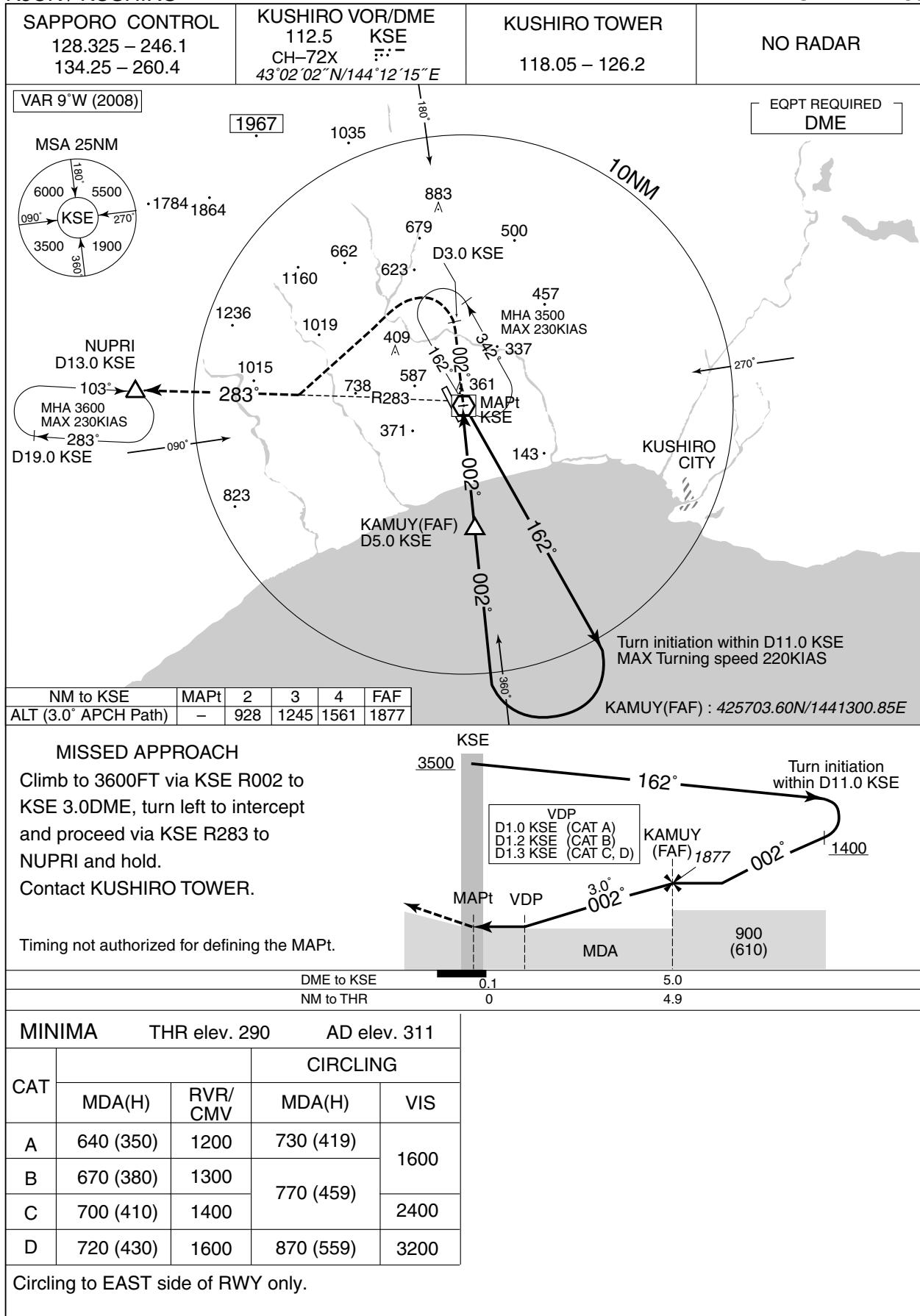
| MINIMA | | THR elev. 290 | AD elev. 311 | |
|--------|-----------|---------------|--------------|------|
| CAT | | | CIRCLING | |
| | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 640 (350) | 1200 | 730 (419) | 1600 |
| B | 670 (380) | 1300 | 770 (459) | |
| C | 700 (410) | 1400 | | 2400 |
| D | 720 (430) | 1600 | 870 (559) | 3200 |

Circling to EAST side of RWY only.

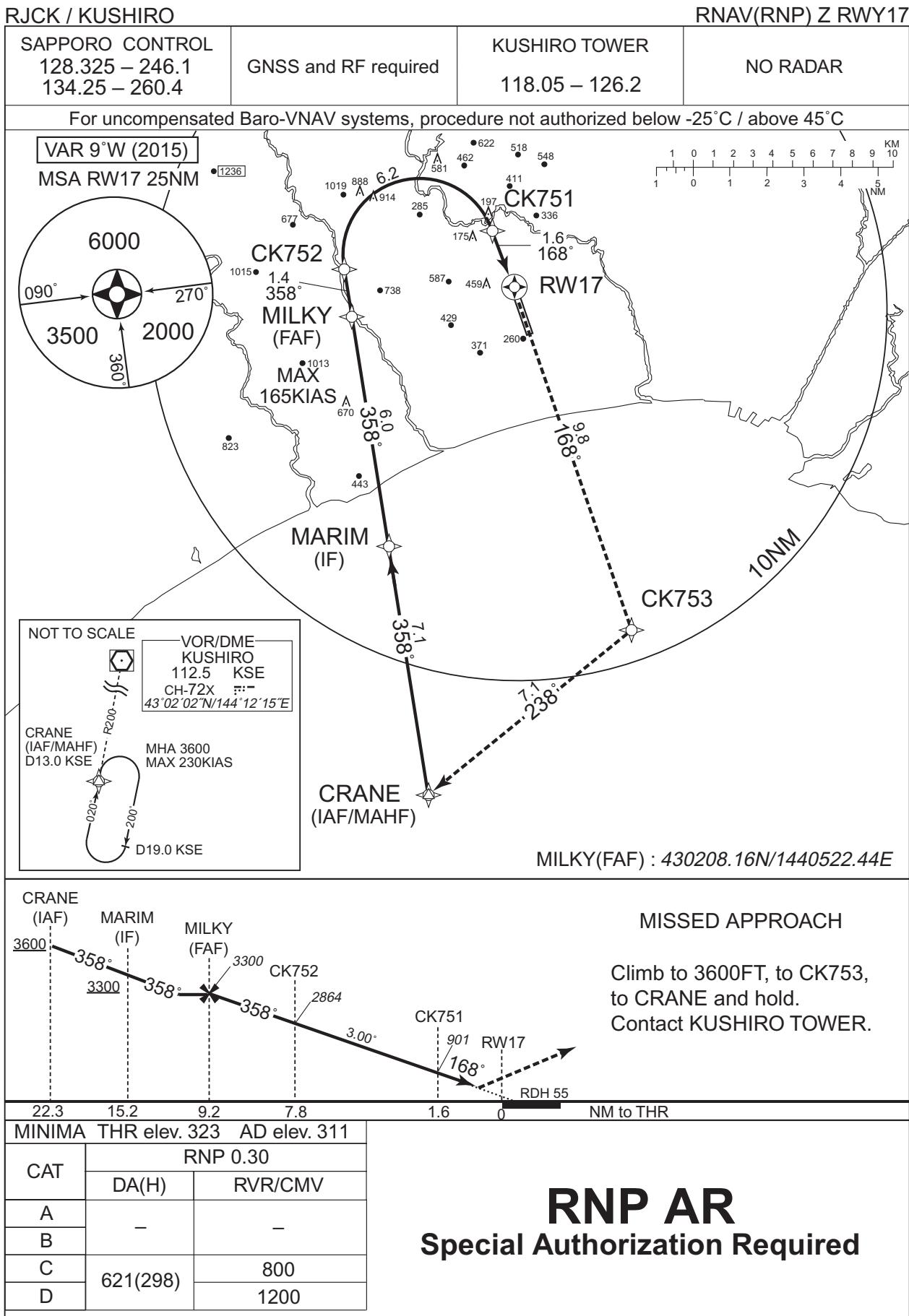
INSTRUMENT APPROACH CHART

RJCK / KUSHIRO

VOR Y RWY35



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJCK / KUSHIRO

RNAV(RNP) Z RWY17

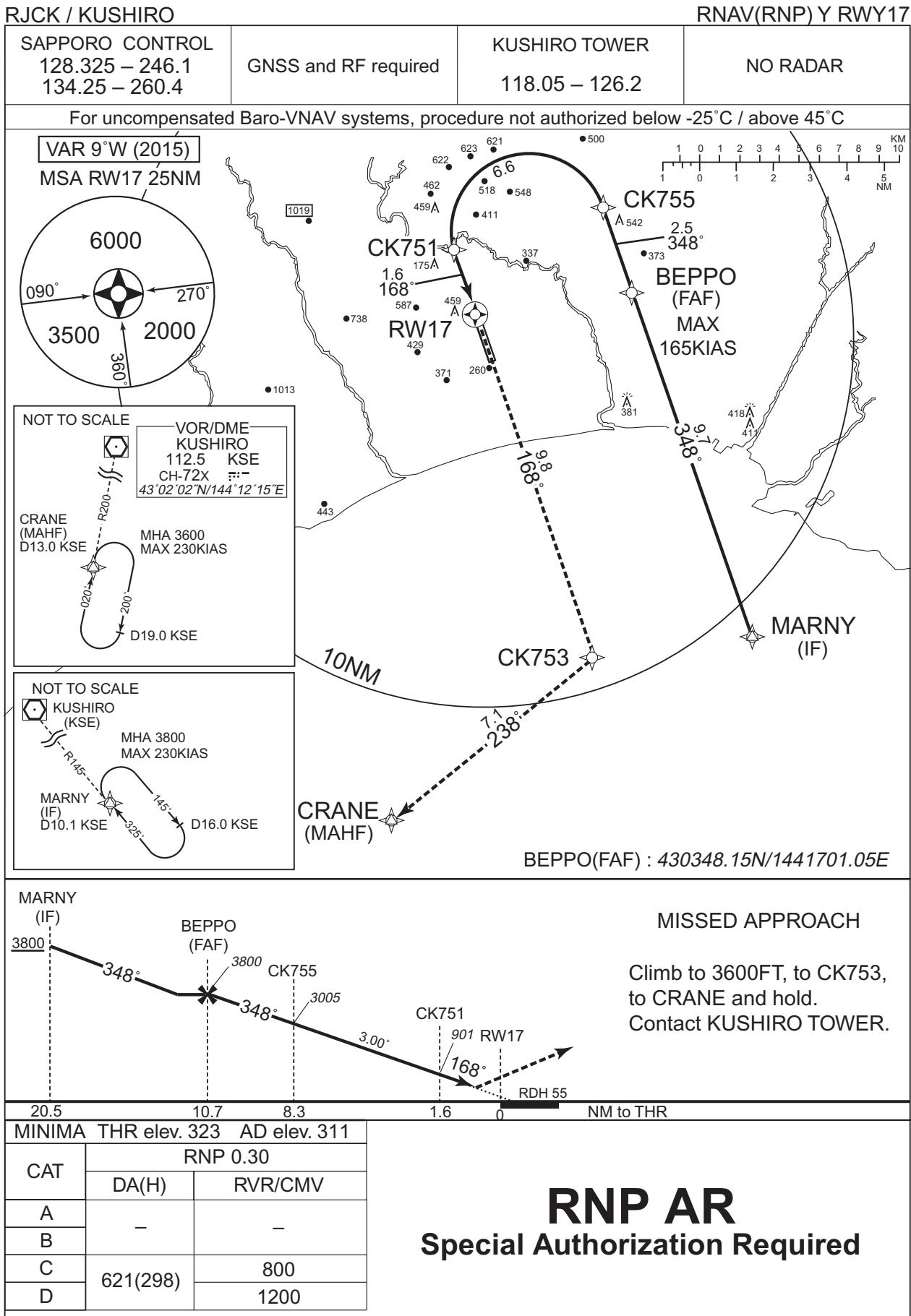
RNAV(RNP) Z RWY17Coding Table

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/RDH (°/FT) | RNP Value |
|---------------|---------------------------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|-----------|
| 001 | IF | CRANE | — | — | -8.9 | — | — | +3600 | — | — | — |
| 002 | TF | MARIM | — | 358 (349.1) | -8.9 | 7.1 | — | +3300 | — | — | 1.0 |
| 003 | TF | MILKY | — | 358 (349.0) | -8.9 | 6.0 | — | 3300 | -165 | — | 1.0 |
| 004 | TF | CK752 | — | 358 (349.0) | -8.9 | 1.4 | — | 2864 | — | -3.00 | 0.3 |
| 005 | RF Center: CKRF1 r=2.08NM | CK751 | — | — | -8.9 | 6.2 | R | 901 | — | -3.00 | 0.3 |
| 006 | TF | RW17 | Y | 168 (159.0) | -8.9 | 1.6 | — | 378 | — | -3.00/55 | 0.3 |
| 007 | TF | CK753 | — | 168 (159.0) | -8.9 | 9.8 | — | — | — | — | 1.0 |
| 008 | TF | CRANE | — | 238 (229.0) | -8.9 | 7.1 | — | 3600 | — | — | 1.0 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| CRANE | 424916.84N / 1440846.59E | CKRF1 | 430352.65N / 1440747.87E |
| MARIM | 425614.81N / 1440656.16E | | |
| MILKY | 430208.16N / 1440522.44E | | |
| CK752 | 430328.83N / 1440501.00E | | |
| CK751 | 430437.47N / 1441026.54E | | |
| RW17 | 430305.30N / 1441114.92E | | |
| CK753 | 425355.48N / 1441602.58E | | |

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJCK / KUSHIRO

RNAV(RNP) Y RWY17

RNAV(RNP) Y RWY17Coding Table

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/RDH (°/FT) | RNP Value |
|---------------|---------------------------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|-----------|
| 001 | IF | MARNY | — | — | -8.9 | — | — | +3800 | — | — | — |
| 002 | TF | BEPOPO | — | 348 (339.1) | -8.9 | 9.7 | — | 3800 | -165 | — | 1.0 |
| 003 | TF | CK755 | — | 348 (339.1) | -8.9 | 2.5 | — | 3005 | — | -3.00 | 0.3 |
| 004 | RF Center: CKRF2 r=2.10NM | CK751 | — | — | -8.9 | 6.6 | L | 901 | — | -3.00 | 0.3 |
| 005 | TF | RW17 | Y | 168 (159.0) | -8.9 | 1.6 | — | 378 | — | -3.00/55 | 0.3 |
| 006 | TF | CK753 | — | 168 (159.0) | -8.9 | 9.8 | — | — | — | — | 1.0 |
| 007 | TF | CRANE | — | 238 (229.0) | -8.9 | 7.1 | — | 3600 | — | — | 1.0 |

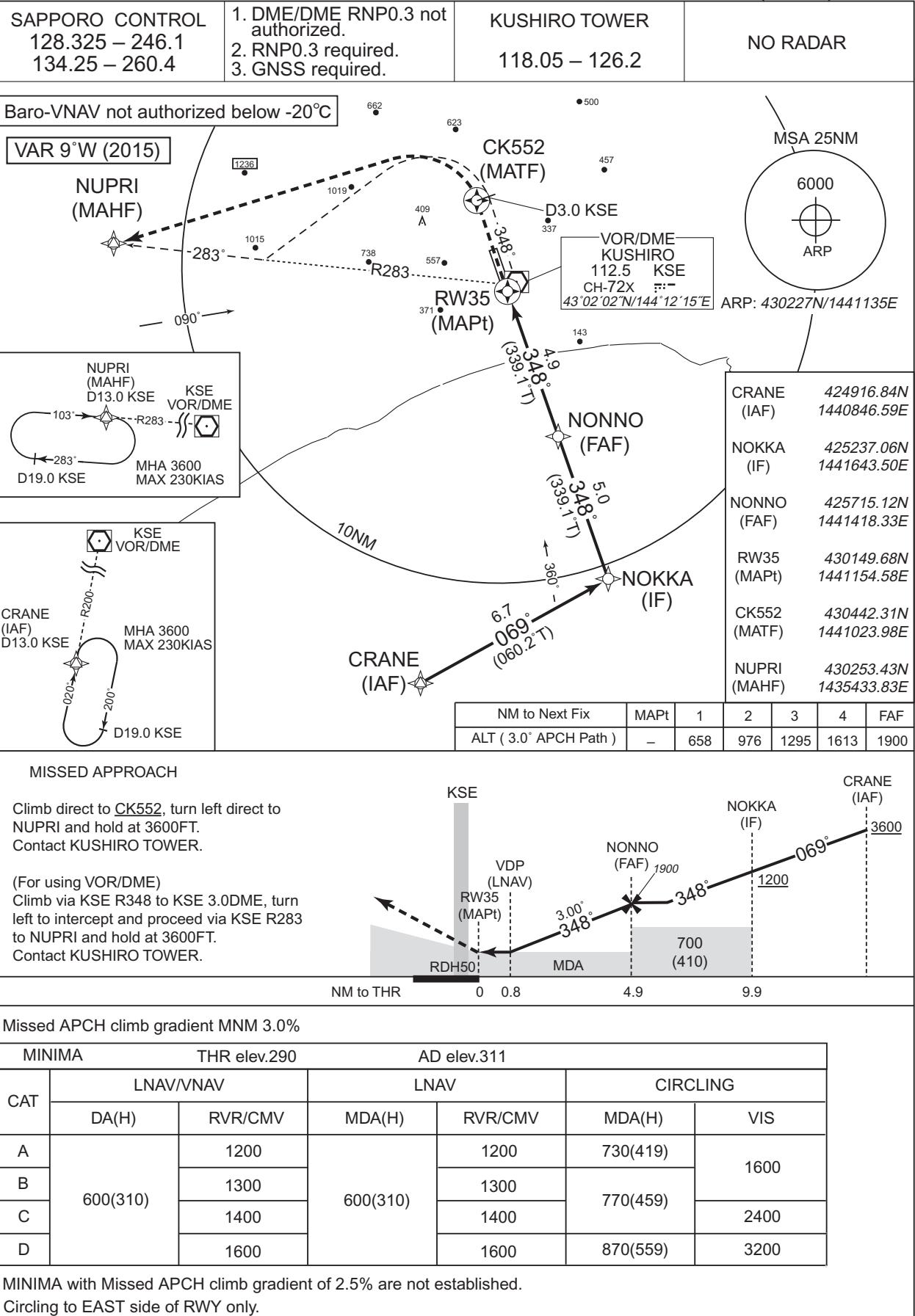
Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| MARNY | 425443.27N / 1442145.22E | CKRF2 | 430522.76N / 1441307.17E |
| BEPOPO | 430348.15N / 1441701.05E | | |
| CK755 | 430607.99N / 1441547.87E | | |
| CK751 | 430437.47N / 1441026.54E | | |
| RW17 | 430305.30N / 1441114.92E | | |
| CK753 | 425355.48N / 1441602.58E | | |
| CRANE | 424916.84N / 1440846.59E | | |

INSTRUMENT APPROACH CHART

RJCK / KUSHIRO

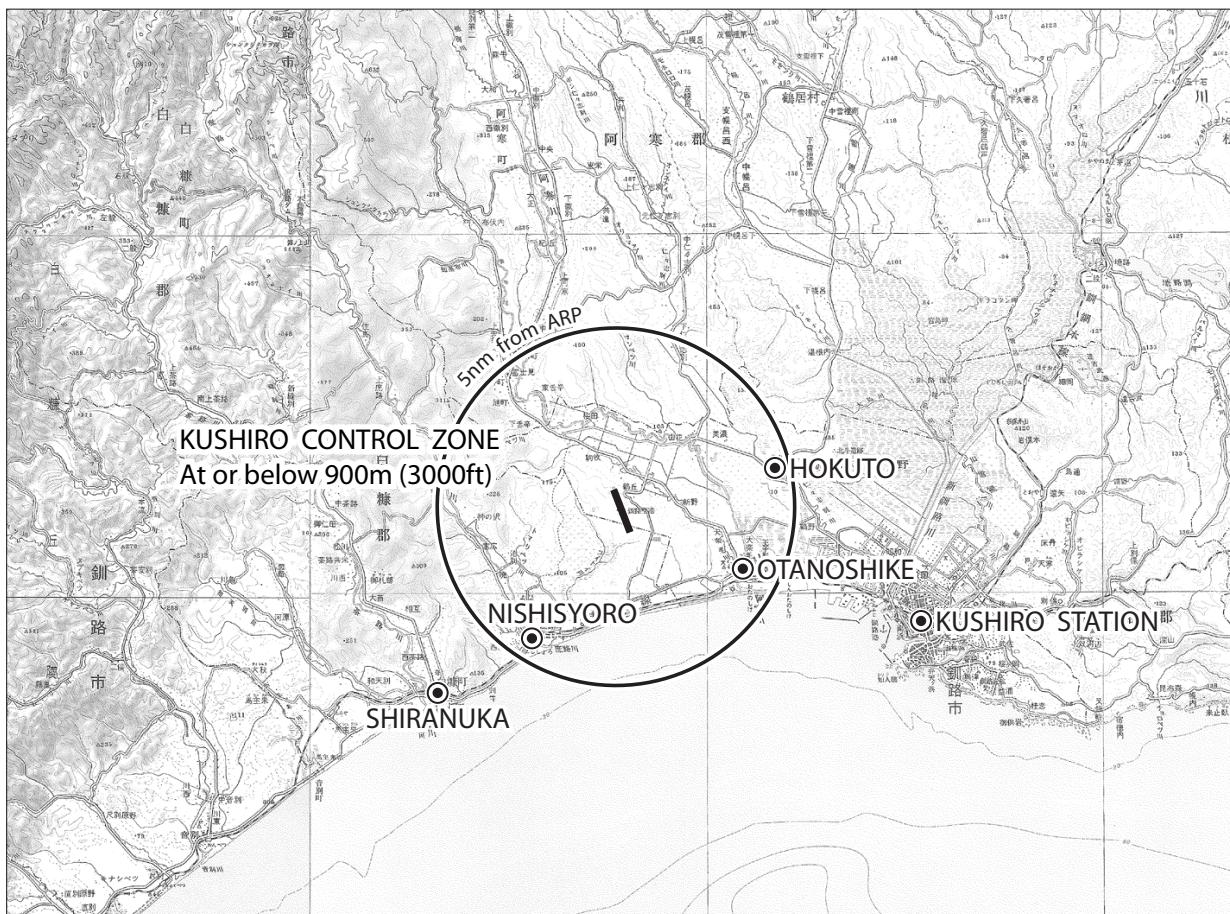
RNAV(GNSS) RWY35



INTENTIONALLY LEFT BLANK

RJCK / KUSHIRO

Visual REP

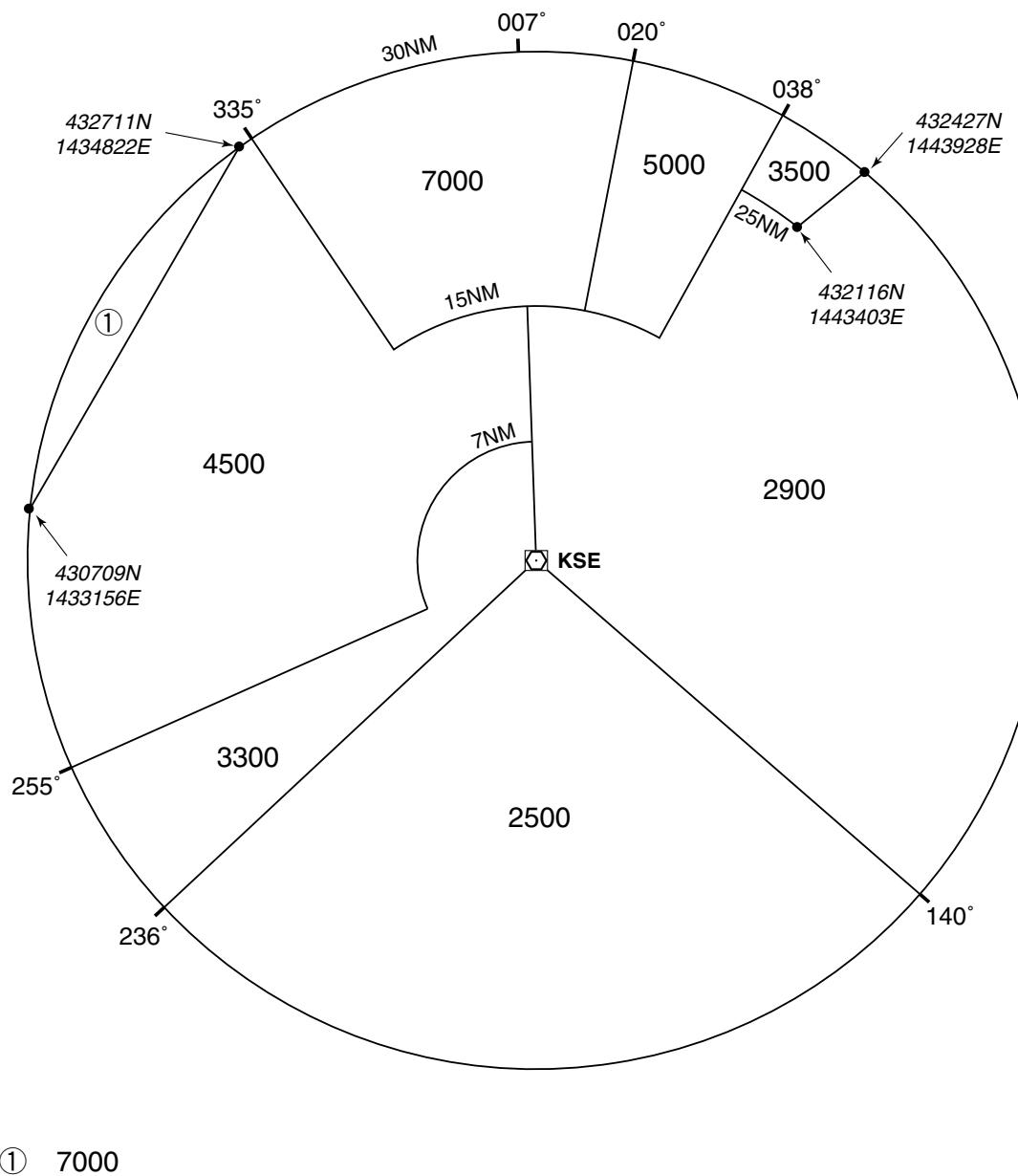


| Call sign | BRG / DIST from ARP | Remarks |
|-----------------------------|---------------------|------------------------|
| 白糠 Shiranuka | 235°/ 7.3NM | JR駅 Station |
| 西庶路 Nishisyoro | 224°/ 4.8NM | JR駅 Station |
| 北斗 Hokuto | 089°/ 4.5NM | T字路交差点 Intersection |
| 大楽毛 Otanoshike | 121°/ 4.3NM | 製紙工場煙突群 Chimneys |
| 釧路ステーション Kushiro Station | 119°/ 8.9NM | JR駅 Station |

RJCK / KUSHIRO

Minimum Vectoring Altitude CHART

VAR 9°W (2007)



CENTER : 430202N/144121E (KSE VOR/DME)