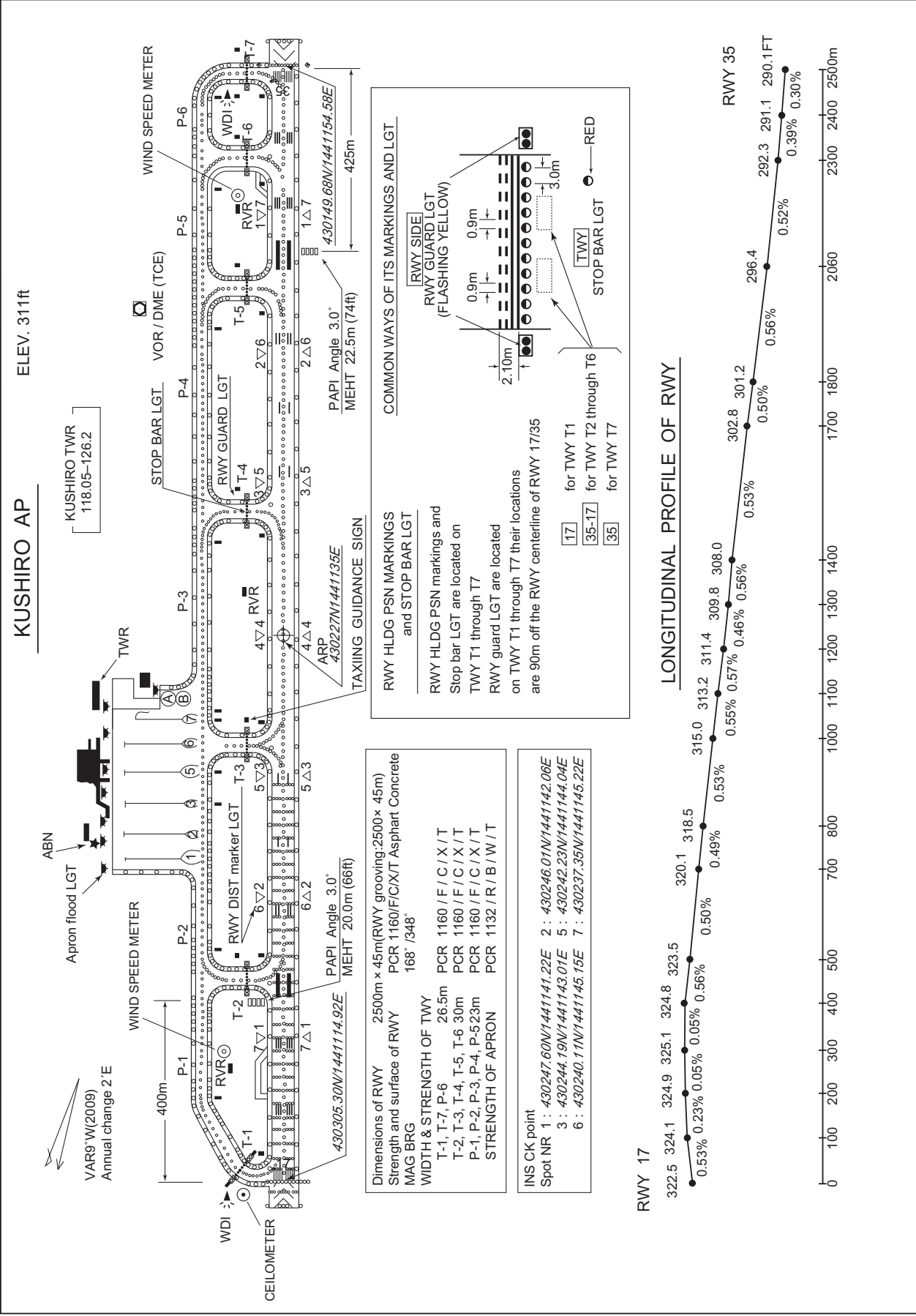


RJCK / KUSHIRO

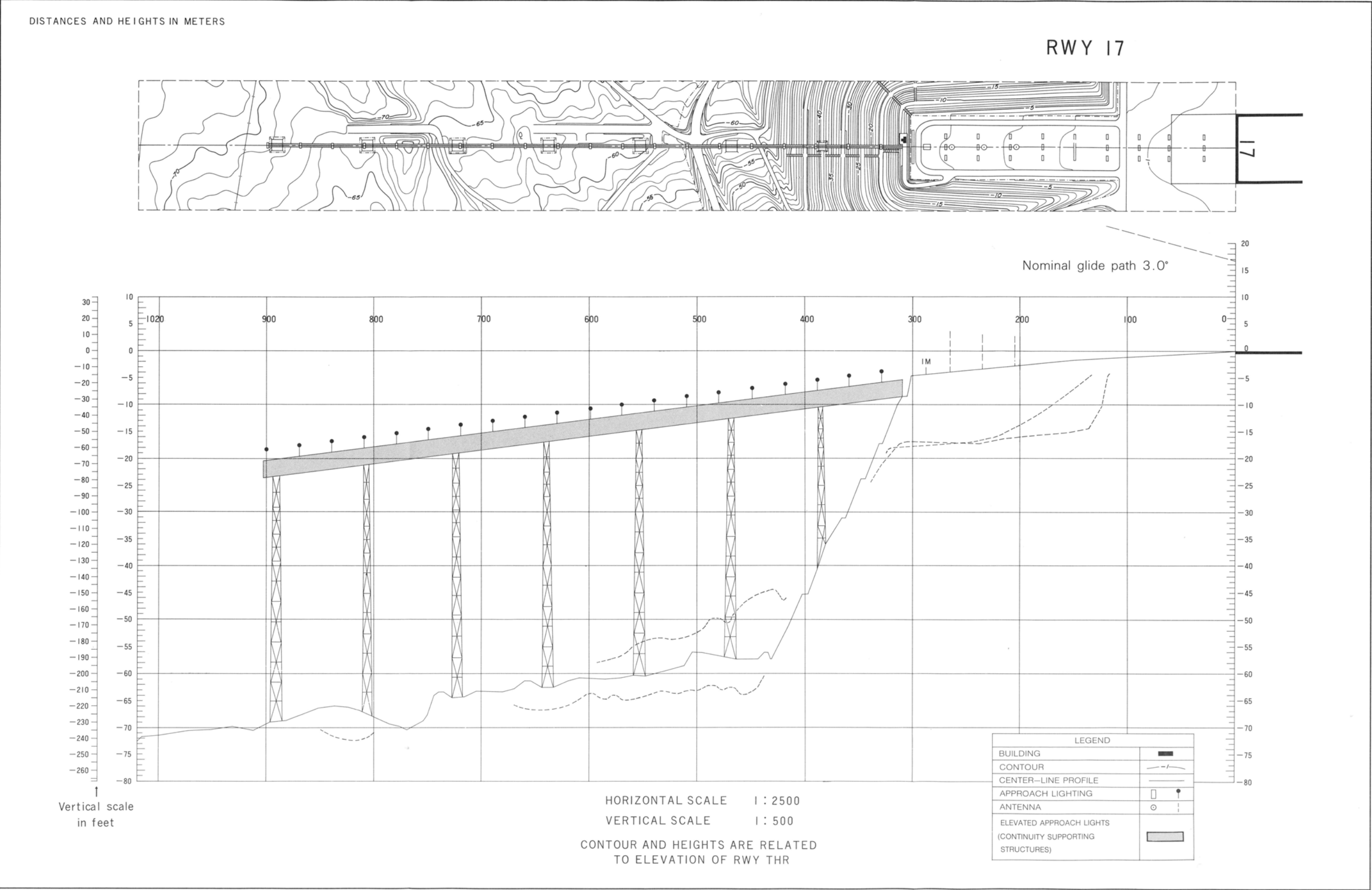
AD CHART



INTENTIONALLY LEFT BLANK

RJCK/KUSHIRO

PRECISION APPROACH TERRAIN CHART – ICAO



STANDARD DEPARTURE CHART -INSTRUMENT

RJCK / KUSHIRO

SID

KUSHIRO REVERSAL FIVE DEPARTURE

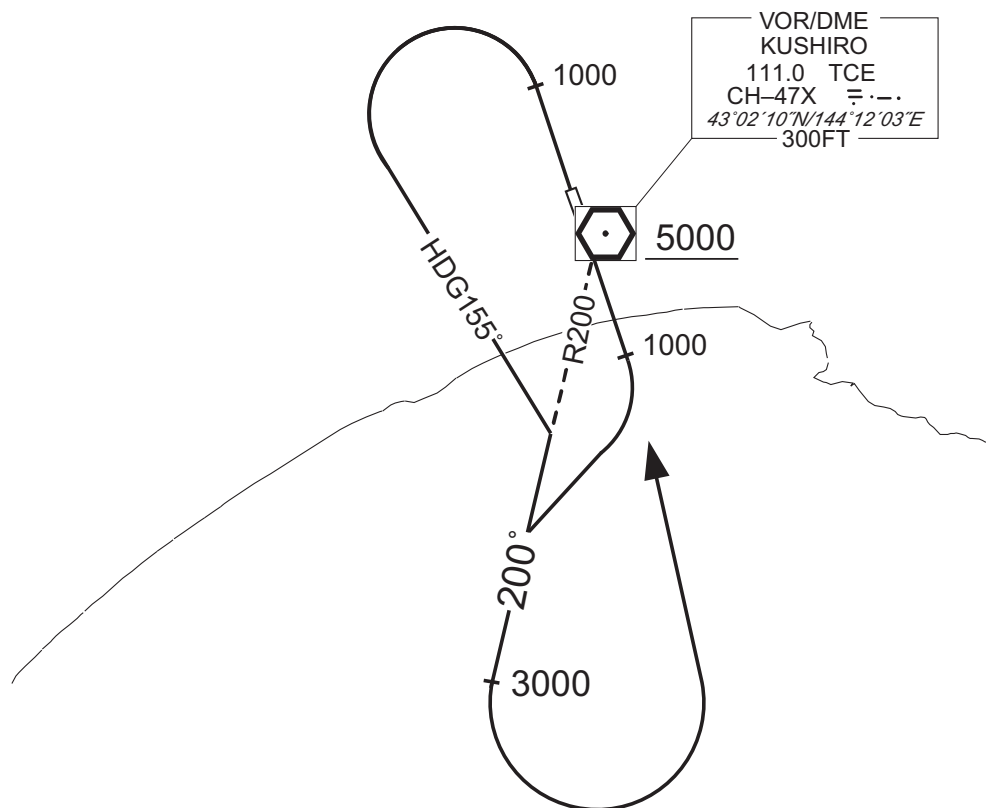
RWY17 : Climb RWY HDG to 1000FT, turn right...

RWY35 : Climb RWY HDG to 1000FT, turn left HDG155°...

...to intercept and proceed via TCE R200 to 3000FT, turn left, direct to
TCE VOR/DME.

Cross TCE VOR/DME at or above 5000FT.

Note : No turn before DER.

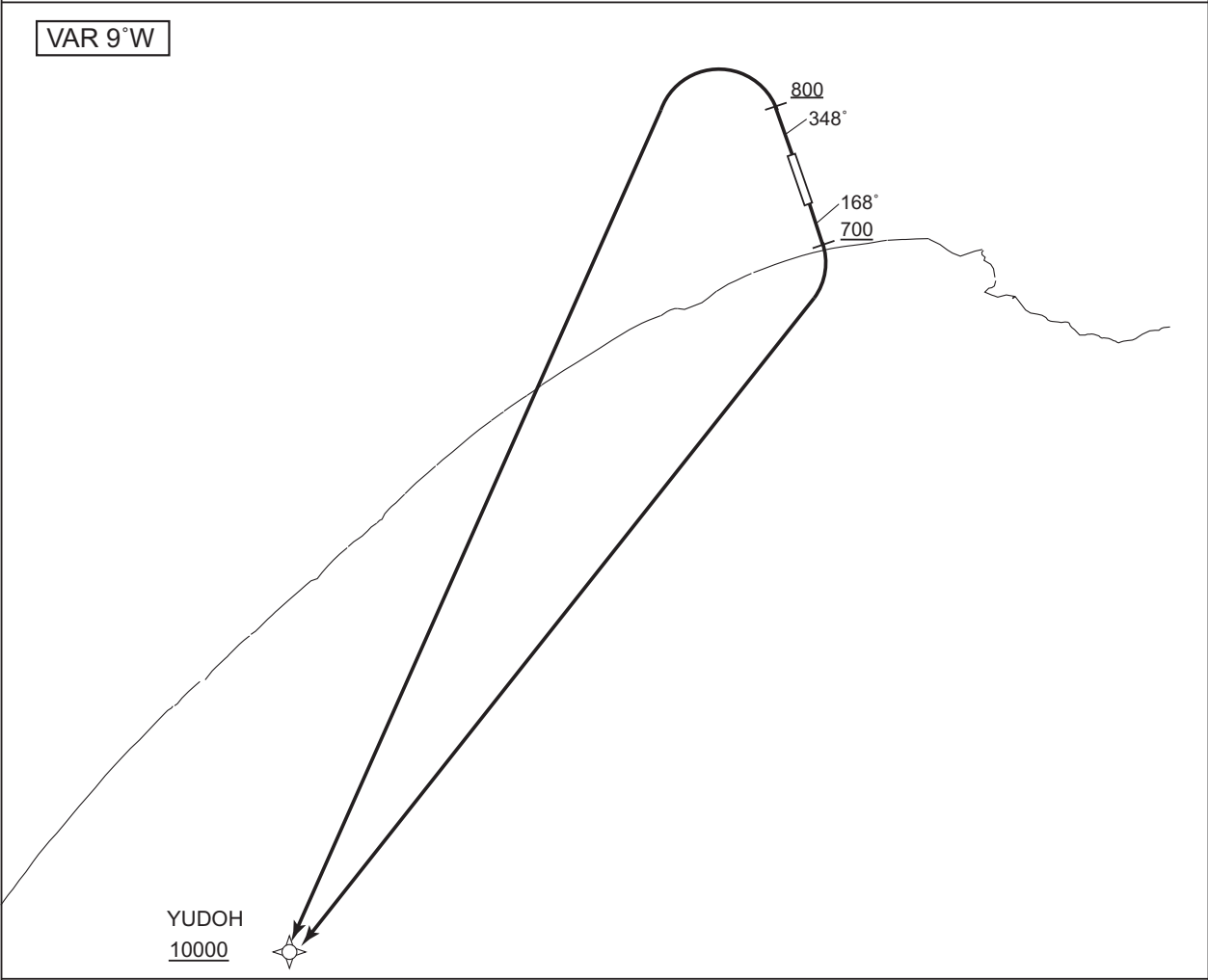


CHANGE : PROC abolished(ALICE THREE DEPARTURE, ERIMO FOUR DEPARTURE, OBIHIRO THREE DEPARTURE, YUDOH TWO DEPARTURE, EATAK ONE DEPARTURE).
PROC renamed. KUSHIRO VOR/DME relocated(KSE→TCE).

STANDARD DEPARTURE CHART -INSTRUMENT

RJCK / KUSHIRO	RNAV SID
TANCHO ONE DEPARTURE	RNP1

Note GNSS required.



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)	-9.2	—	—	+700	—	—	RNP1
002	DF	YUDOH	—	—	-9.2	—	R	+10000	—	—	RNP1

RWY35

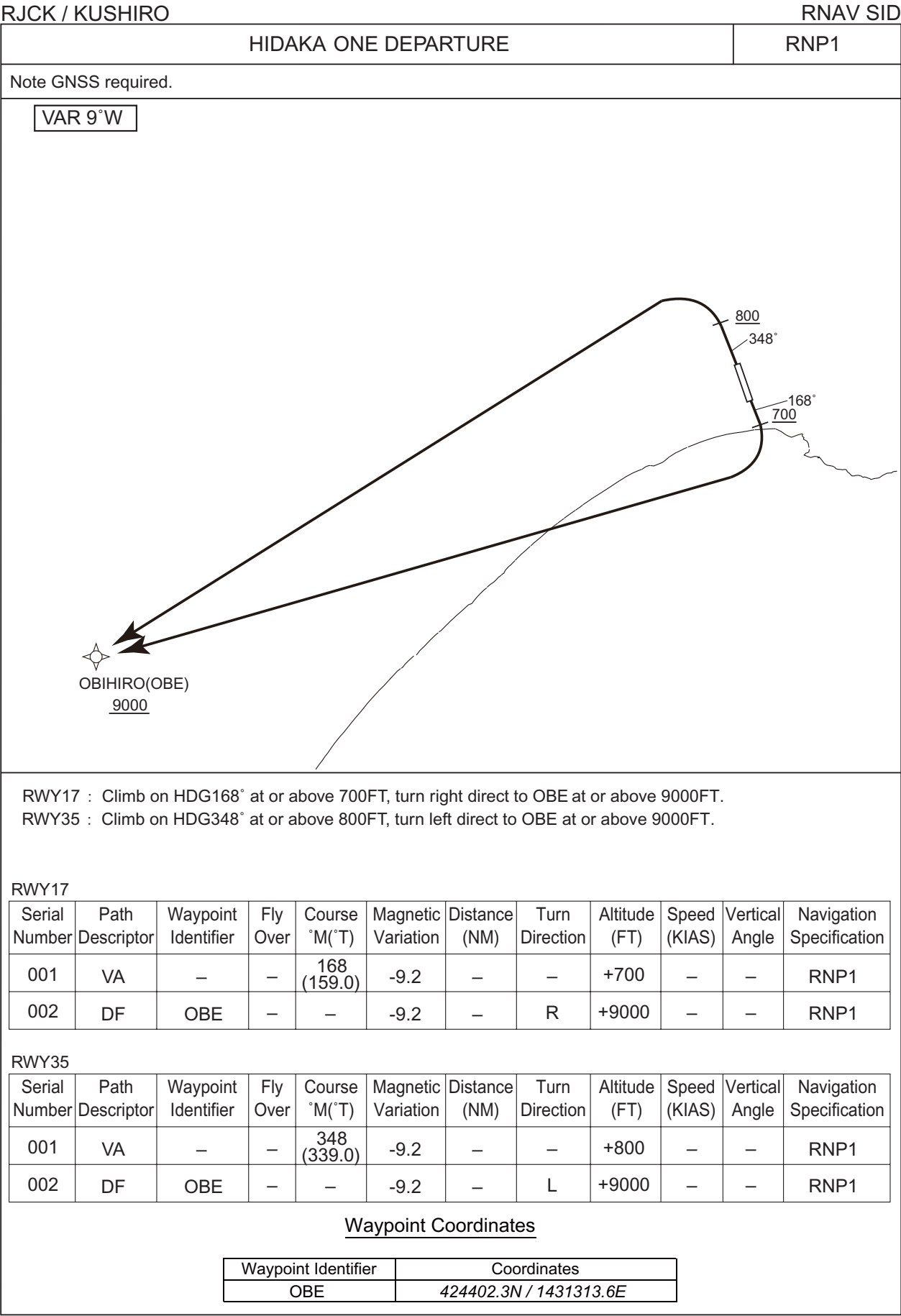
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	348 (339.0)	-9.2	—	—	+800	—	—	RNP1
002	DF	YUDOH	—	—	-9.2	—	L	+10000	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
YUDOH	423005.4N / 1434446.5E

CHANGE : Waypoint Coordinates added.

STANDARD DEPARTURE CHART -INSTRUMENT



CHANGE : Waypoint Coordinates added.

STANDARD DEPARTURE CHART -INSTRUMENT

RJCK / KUSHIRO

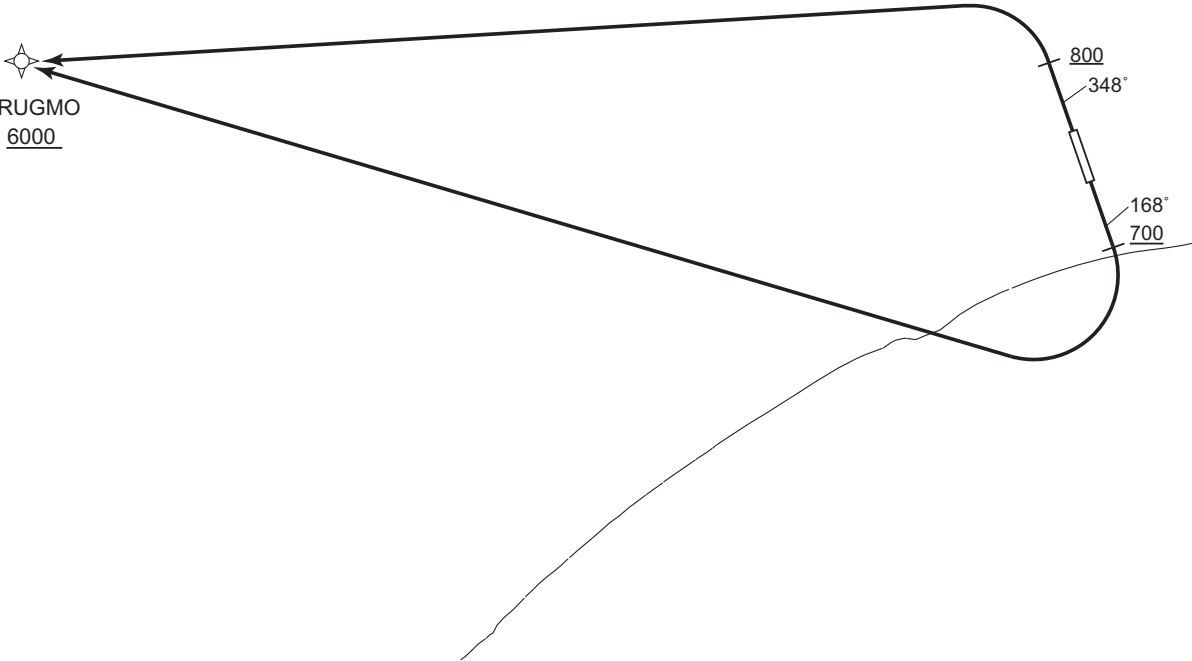
RNAV SID

RUGMO ONE DEPARTURE

RNP1

Note GNSS required.

VAR 9°W



RUGMO 6000

RWY17 : Climb on HDG168° at or above 700FT, turn right direct to RUGMO at or above 6000FT.
RWY35 : Climb on HDG348° at or above 800FT, turn left direct to RUGMO at or above 6000FT.

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)	-9.2	—	—	+700	—	—	RNP1
002	DF	RUGMO	—	—	-9.2	—	R	+6000	—	—	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)	-9.2	—	—	+800	—	—	RNP1
002	DF	RUGMO	—	—	-9.2	—	L	+6000	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
RUGMO	430433.6N / 1432949.1E

CHANGE : Waypoint Coordinates added.

RJCK / KUSHIRO

RNAV SID

Note GNSS required.

VAR 9° W

TASAB

MUBLA
4600

MULNA

ENTOD
10000

900
348°

168°
700

5.8
168°

24.9
167°

21.3
181°

RWY35 : Climb on HDG348° at or above 900FT, turn left direct to TASAB, to MUBLA at or above 4600FT, to ENTOD at or above 10000FT.

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)	-9.3	—	—	+700	—	—	RNP1
002	DF	MULNA	—	—	-9.3	—	—	—	—	—	RNP1
003	TF	ENTOD	—	181 (171.4)	-9.3	21.3	—	+10000	—	—	RNP1

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)	-9.3	—	—	+900	—	—	RNP1
002	DF	TASAB	—	—	-9.3	—	L	—	—	—	RNP1
003	TF	MUBLA	—	168 (159.0)	-9.3	5.8	—	+4600	—	—	RNP1
004	TF	ENTOD	—	167 (157.5)	-9.3	24.9	—	+10000	—	—	RNP1

CHANGE : Description of latitude and longitude.

STANDARD DEPARTURE CHART -INSTRUMENT

RJCK / KUSHIRO

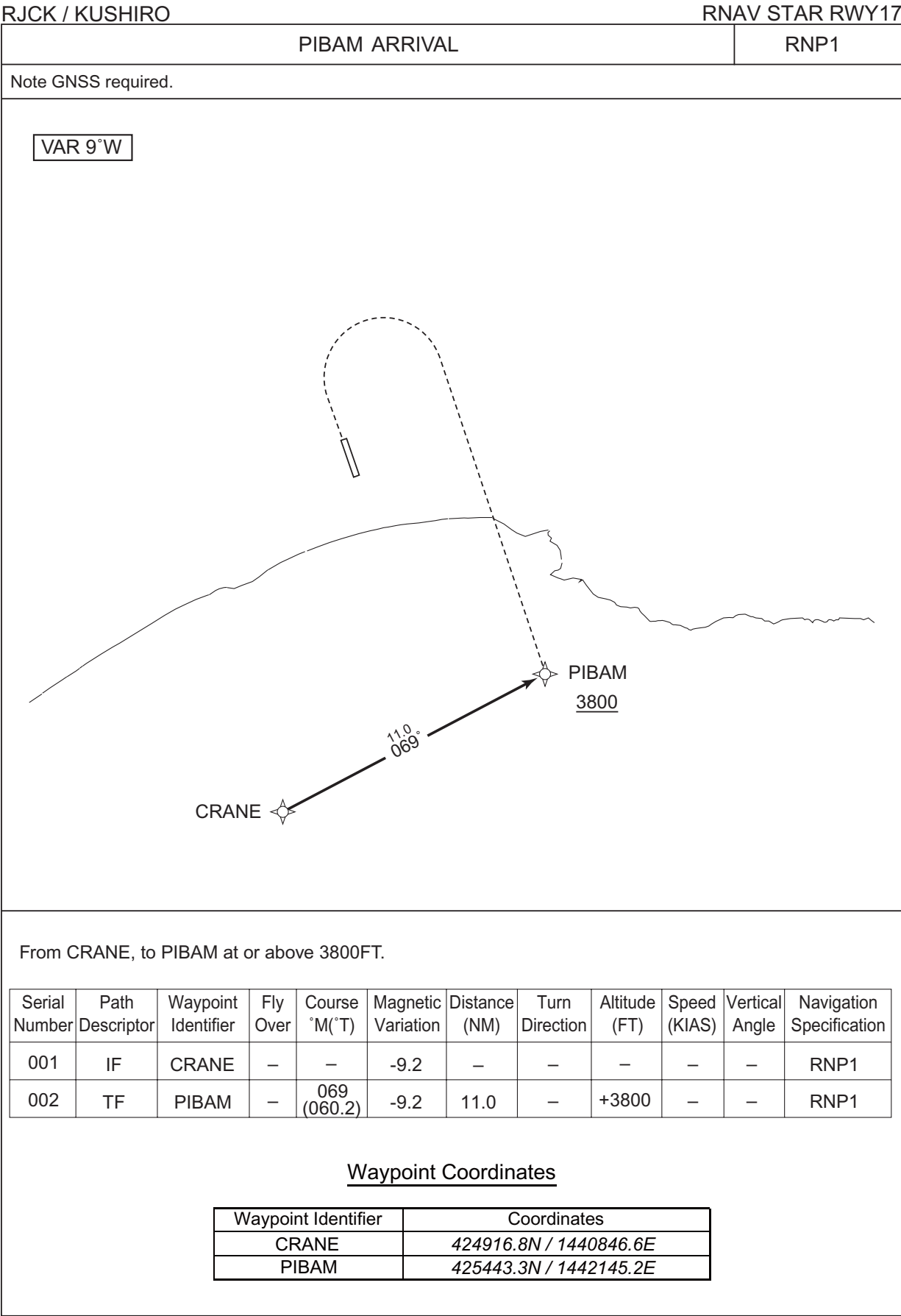
RNAV SID

Waypoint Coordinates

Waypoint Identifier	Coordinates
MULNA	425251.7N / 1441636.0E
TASAB	430015.6N / 1440508.3E
MUBLA	425452.9N / 1440757.8E
ENTOD	423150.2N / 1442054.3E

CHANGE : Waypoint Coordinates added.

STANDARD ARRIVAL CHART -INSTRUMENT

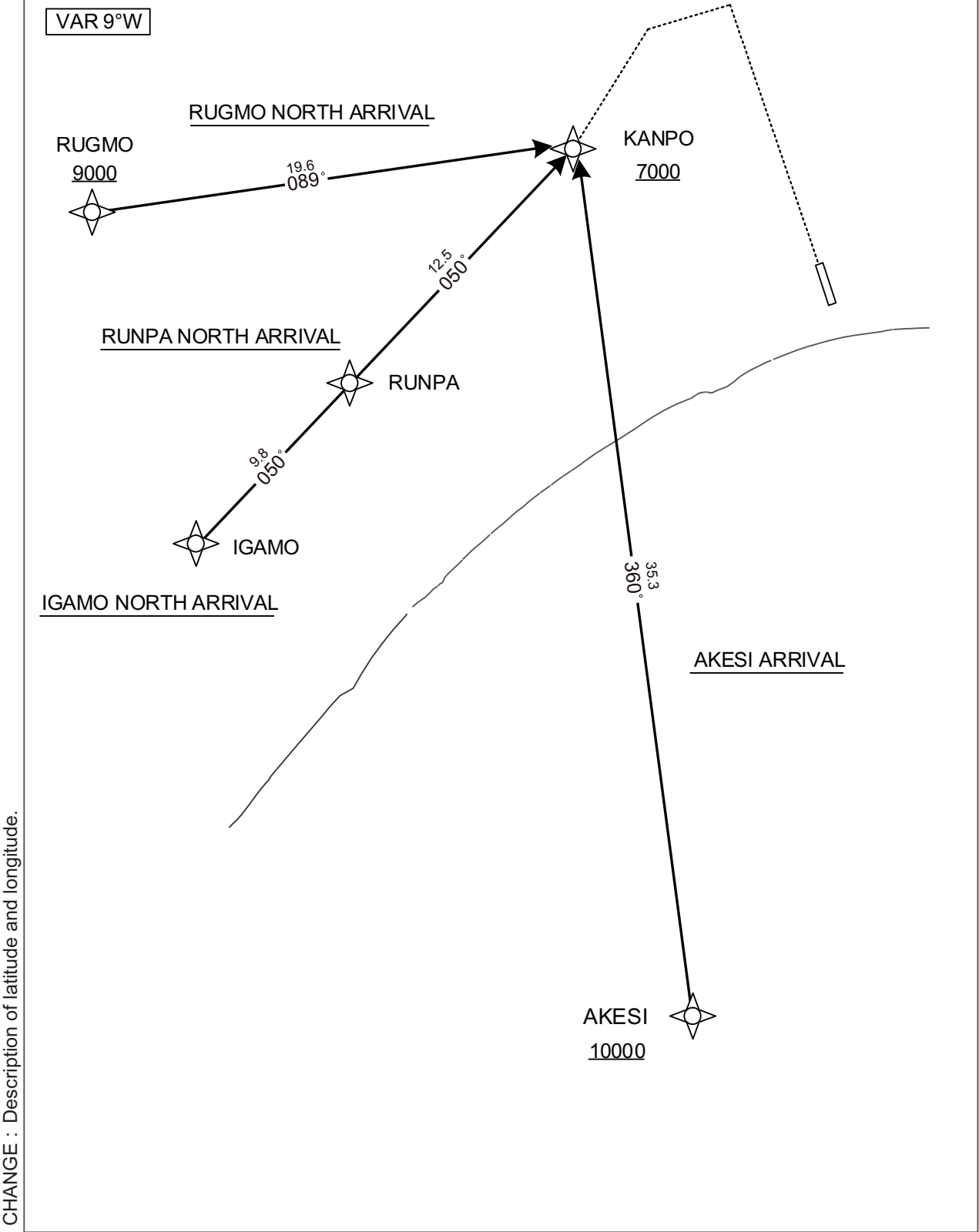


INTENTIONALLY LEFT BLANK

STANDARD ARRIVAL CHART -INSTRUMENT

RJCK / KUSHIRO	RNAV STAR RWY17
AKESI ARRIVAL / IGAMO NORTH ARRIVAL RUGMO NORTH ARRIVAL / RUNPA NORTH ARRIVAL	RNP1

Note GNSS required.



STANDARD ARRIVAL CHART -INSTRUMENT

RJCK / KUSHIRO

RNAV STAR RWY17

AKESI ARRIVAL

From AKESI at or above 10000FT, to KANPO at or above 7000FT.

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	-	-	-9.2	-	-	+10000	-	-	RNP1
002	TF	KANPO	-	360 (350.3)	-9.2	35.3	-	+7000	-	-	RNP1

IGAMO NORTH ARRIVAL

From IGAMO, to RUNPA, to KANPO at or above 7000FT.

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	IGAMO	-	-	-9.2	-	-	-	-	-	RNP1
002	TF	RUNPA	-	050 (040.9)	-9.2	9.8	-	-	-	-	RNP1
003	TF	KANPO	-	050 (041.0)	-9.2	12.5	-	+7000	-	-	RNP1

RUGMO NORTH ARRIVAL

From RUGMO at or above 9000FT, to KANPO at or above 7000FT.

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	RUGMO	-	-	-9.2	-	-	+9000	-	-	RNP1
002	TF	KANPO	-	089 (079.6)	-9.2	19.6	-	+7000	-	-	RNP1

RUNPA NORTH ARRIVAL

From RUNPA, to KANPO at or above 7000FT.

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	RUNPA	-	-	-9.2	-	-	-	-	-	RNP1
002	TF	KANPO	-	050 (041.0)	-9.2	12.5	-	+7000	-	-	RNP1

Waypoint Coordinates

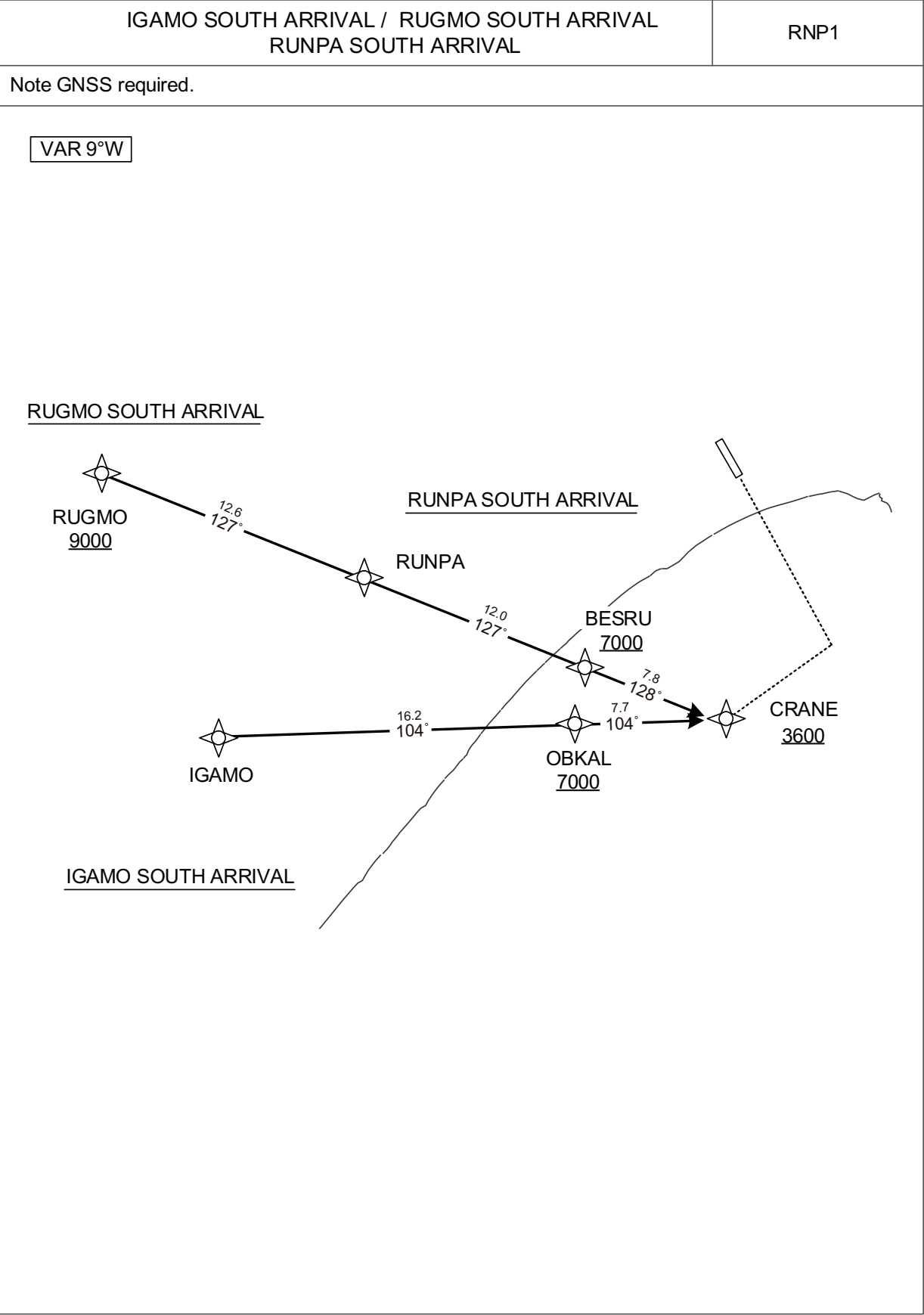
Waypoint Identifier	Coordinates
AKESI	423316.4N / 1440423.6E
IGAMO	425112.6N / 1433614.5E
RUNPA	425838.2N / 1434501.8E
RUGMO	430433.6N / 1432949.1E
KANPO	430802.7N / 1435613.8E

CHANGE : Waypoint Coordinates added.

STANDARD ARRIVAL CHART -INSTRUMENT

RJCK / KUSHIRO

RNAV STAR RWY35



STANDARD ARRIVAL CHART -INSTRUMENT

RJCK / KUSHIRO

RNAV STAR RWY35

IGAMO SOUTH ARRIVAL

From IGAMO, to OBKAL at or above 7000FT, to CRANE 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	IGAMO	-	-	-9.2	-	-	-	-	-	RNP1
002	TF	OBKAL	-	104 (094.4)	-9.2	16.2	-	+7000	-	-	RNP1
003	TF	CRANE	-	104 (094.7)	-9.2	7.7	-	+3600	-	-	RNP1

RUGMO SOUTH ARRIVAL

From RUGMO at or above 9000FT, to RUNPA, to BESRU at or above 7000FT, to CRANE 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	RUGMO	-	-	-9.2	-	-	+9000	-	-	RNP1
002	TF	RUNPA	-	127 (118.0)	-9.2	12.6	-	-	-	-	RNP1
003	TF	BESRU	-	127 (118.1)	-9.2	12.0	-	+7000	-	-	RNP1
004	TF	CRANE	-	128 (118.3)	-9.2	7.8	-	+3600	-	-	RNP1

RUNPA SOUTH ARRIVAL

From RUNPA, to BESRU at or above 7000FT, to CRANE at or above 3600FT.

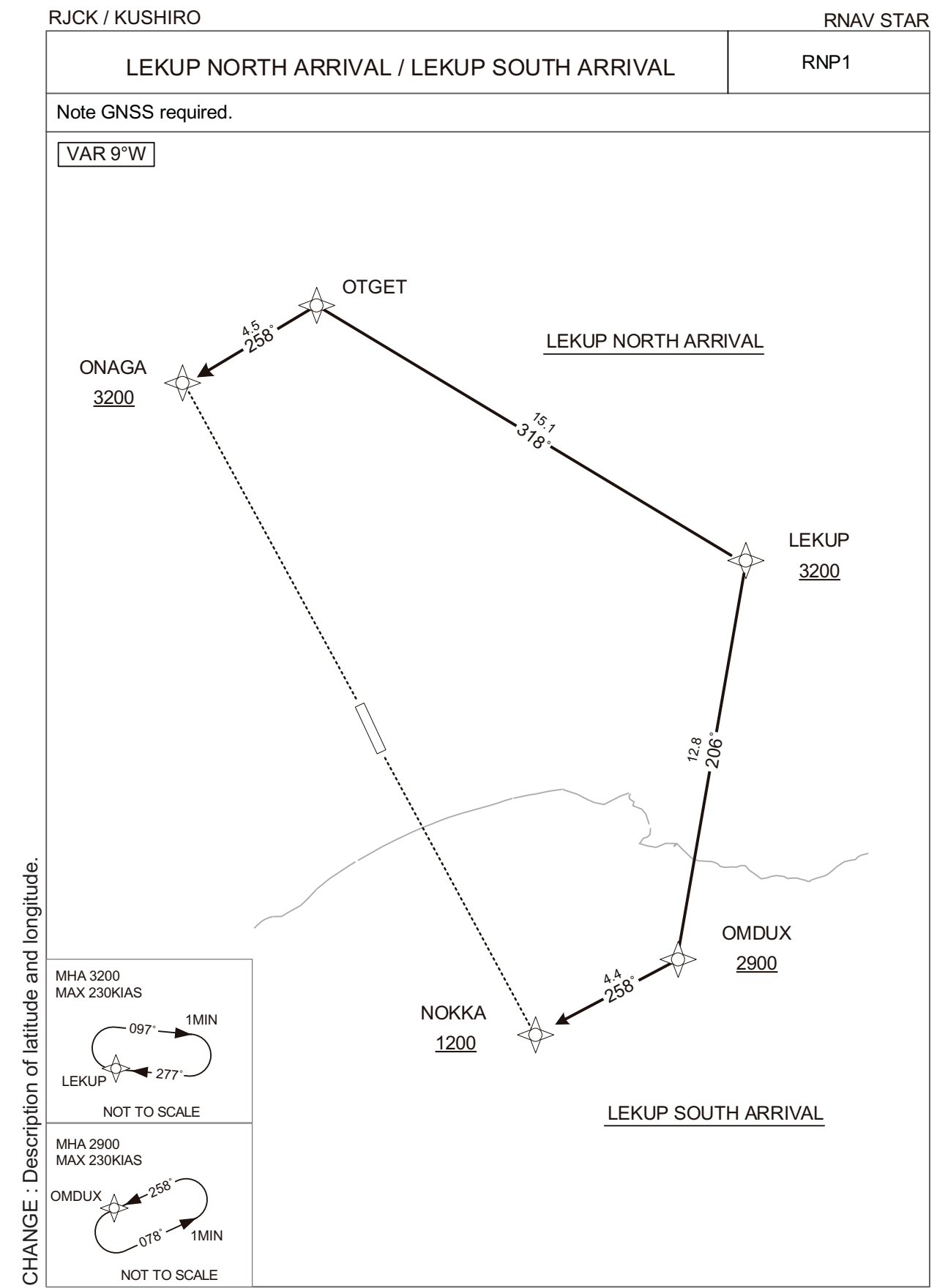
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	RUNPA	-	-	-9.2	-	-	-	-	-	RNP1
002	TF	BESRU	-	127 (118.1)	-9.2	12.0	-	+7000	-	-	RNP1
003	TF	CRANE	-	128 (118.3)	-9.2	7.8	-	+3600	-	-	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
IGAMO	425112.6N / 1433614.5E
OBKAL	424955.3N / 1435815.3E
RUGMO	430433.6N / 1432949.1E
RUNPA	425838.2N / 1434501.8E
BESRU	425257.7N / 1435928.5E
CRANE	424916.8N / 1440846.6E

CHANGE : Waypoint Coordinates added.

STANDARD ARRIVAL CHART -INSTRUMENT



STANDARD ARRIVAL CHART -INSTRUMENT

RJCK / KUSHIRO

RNAV STAR

LEKUP NORTH ARRIVAL

From LEKUP at or above 3200FT, to OTGET, to ONAGA at or above 3200FT.

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	LEKUP	-	-	-9.2	-	-	+3200	-	-	RNP1
002	TF	OTGET	-	318 (308.5)	-9.2	15.1	-	-	-	-	RNP1
003	TF	ONAGA	-	258 (248.9)	-9.2	4.5	-	+3200	-	-	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	LEKUP	277 (268.1)	-9.2	1.0(-14000)	R	3200	FL140	-230(-14000)	RNP1

LEKUP SOUTH ARRIVALFrom LEKUP at or above 3200FT, to OMDUX at or above 2900FT,
to NOKKA at or above 1200FT.

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	LEKUP	-	-	-9.2	-	-	+3200	-	-	RNP1
002	TF	OMDUX	-	206 (196.8)	-9.2	12.8	-	+2900	-	-	RNP1
003	TF	NOKKA	-	258 (249.0)	-9.2	4.4	-	+1200	-	-	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	LEKUP	277 (268.1)	-9.2	1.0(-14000)	R	3200	FL140	-230(-14000)	RNP1
Hold	OMDUX	258 (249.0)	-9.2	1.0(-14000)	L	2900	FL140	-230(-14000)	RNP1

Waypoint Coordinates

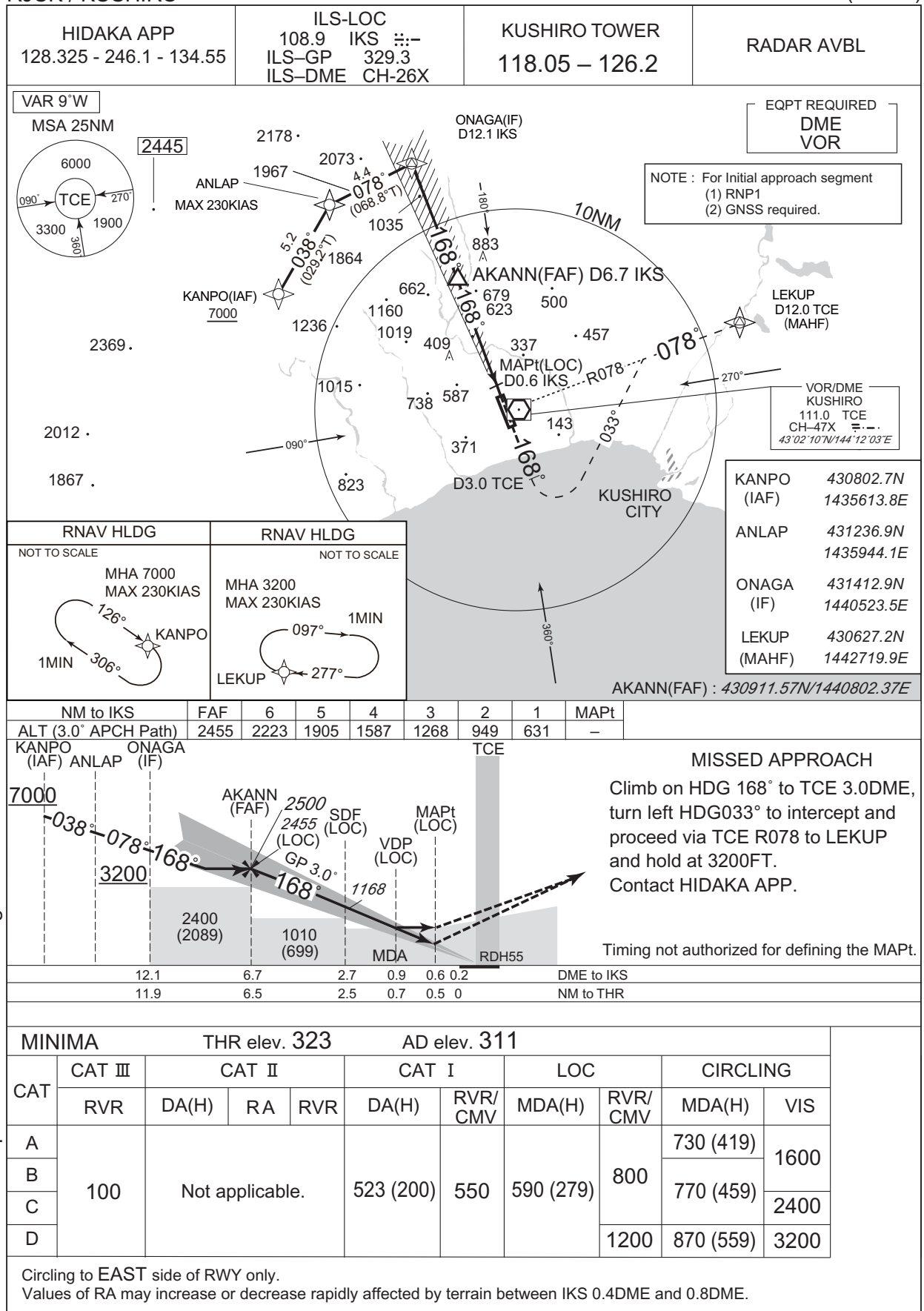
Waypoint Identifier	Coordinates
LEKUP	430627.2N / 1442719.9E
OTGET	431550.0N / 1441108.1E
ONAGA	431412.9N / 1440523.5E
OMDUX	425410.9N / 1442216.8E
NOKKA	425237.1N / 1441643.5E

CHANGE : Waypoint Coordinates added.

INSTRUMENT APPROACH CHART

RJCK / KUSHIRO

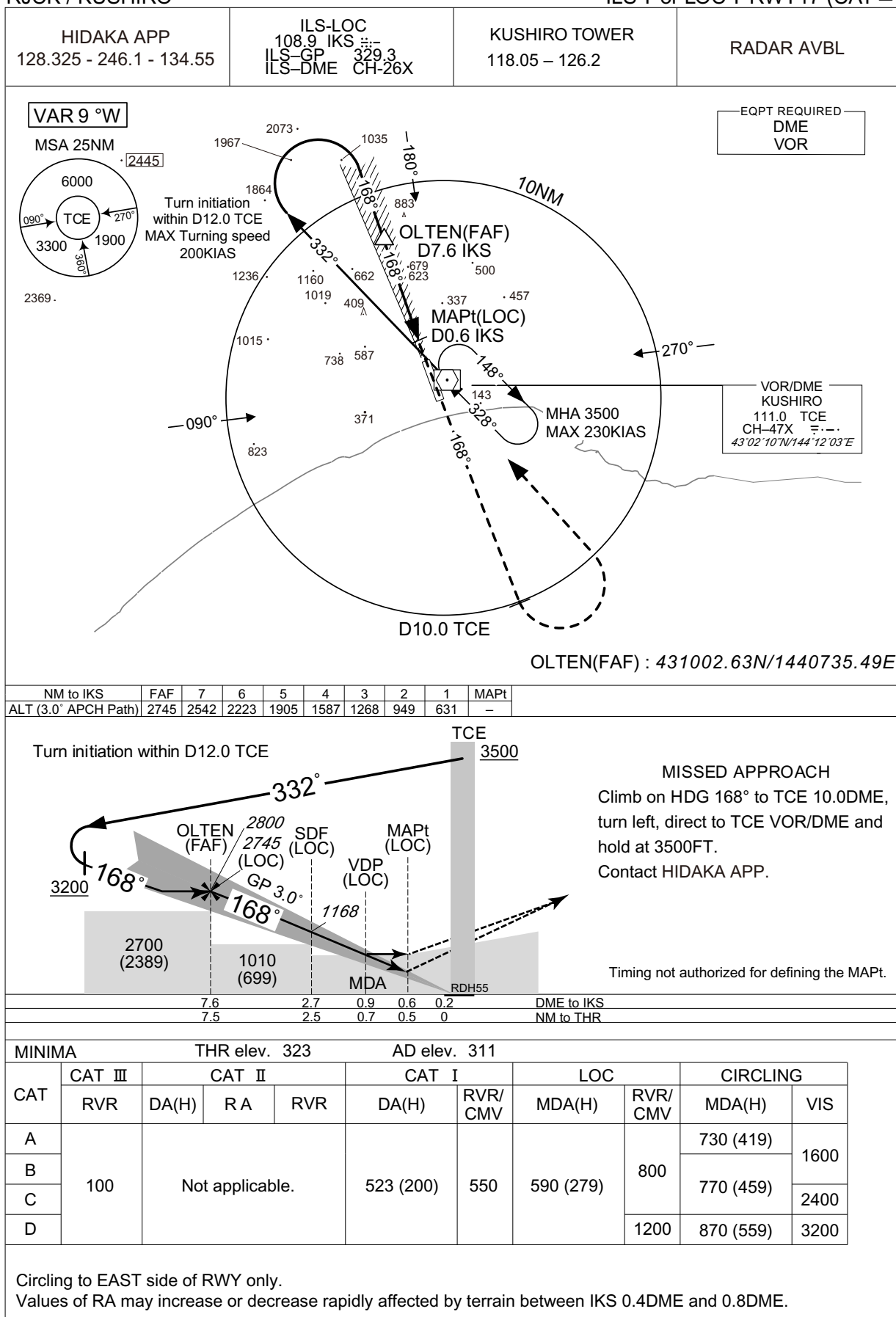
ILS Z or LOC Z RWY17 (CAT III)



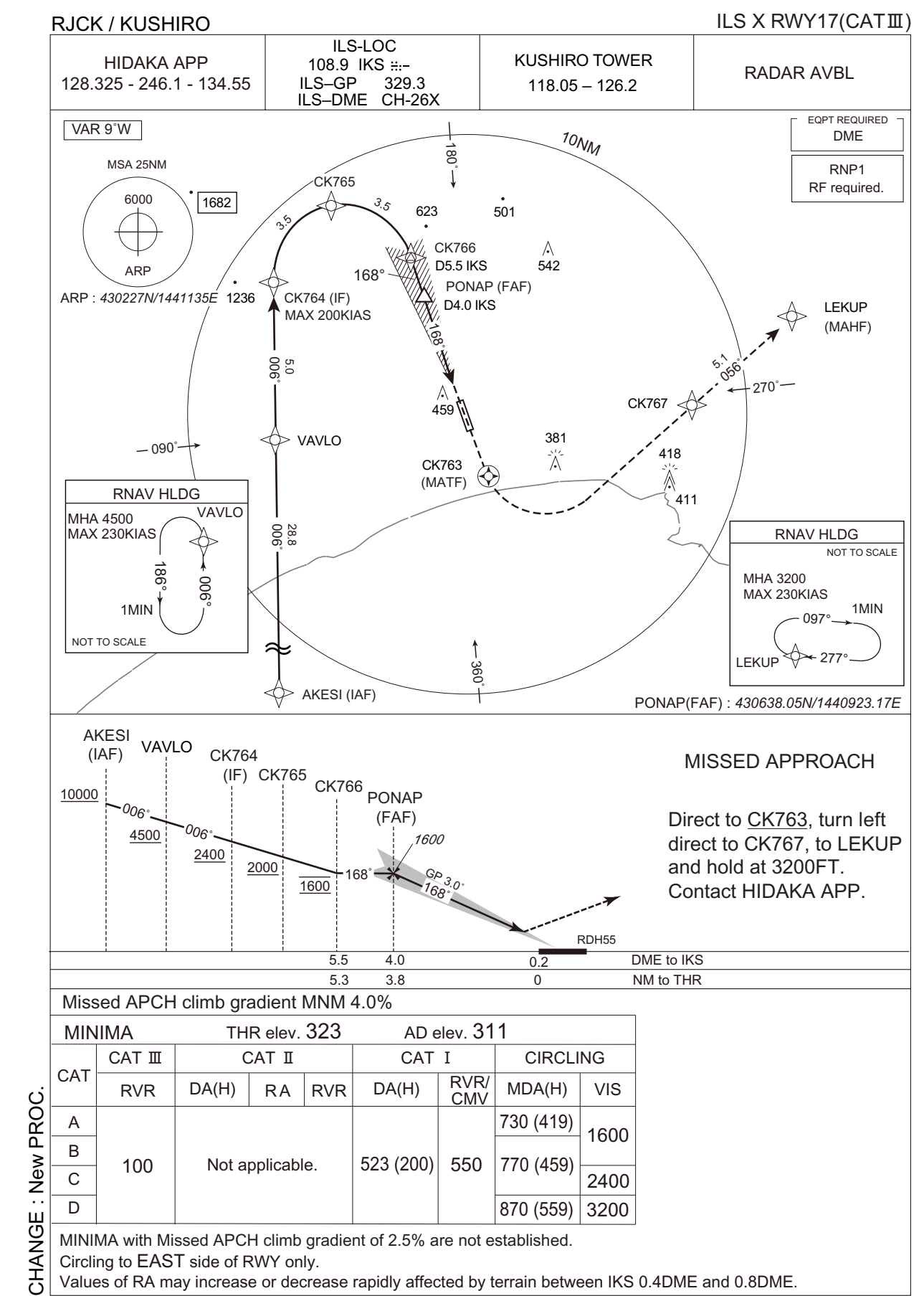
INSTRUMENT APPROACH CHART

RJCK / KUSHIRO

ILS Y or LOC Y RWY17 (CAT III)



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJCK / KUSHIRO

ILS X RWY17(CATⅢ)

Coding Table

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	—	—	-9.3	—	—	+10000	—	—	RNP1
002	TF	VAVLO	—	006 (357.1)	-9.3	28.8	—	+4500	—	—	RNP1
003	TF	CK764	—	006 (357.0)	-9.3	5.0	—	+2400	-200	—	RNP1
004	RF Center: CKRF3 r=2.51NM	CK765	—	—	-9.3	3.5	R	+2000	—	—	RNP1
005	RF Center: CKRF3 r=2.51NM	CK766	—	—	-9.3	3.5	R	1600	—	—	RNP1
001	DF	CK763	Y	—	-9.3	—	—	—	—	—	RNP1
002	DF	CK767	—	—	-9.3	—	L	—	—	—	RNP1
003	TF	LEKUP	—	056 (046.9)	-9.3	5.1	—	3200	—	—	RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	VAVLO	006 (357.0)	-9.3	1.0(-14000)	L	4500	FL140	-230(-14000)	RNP1
Hold	LEKUP	277 (268.1)	-9.3	1.0(-14000)	R	3200	FL140	-230(-14000)	RNP1

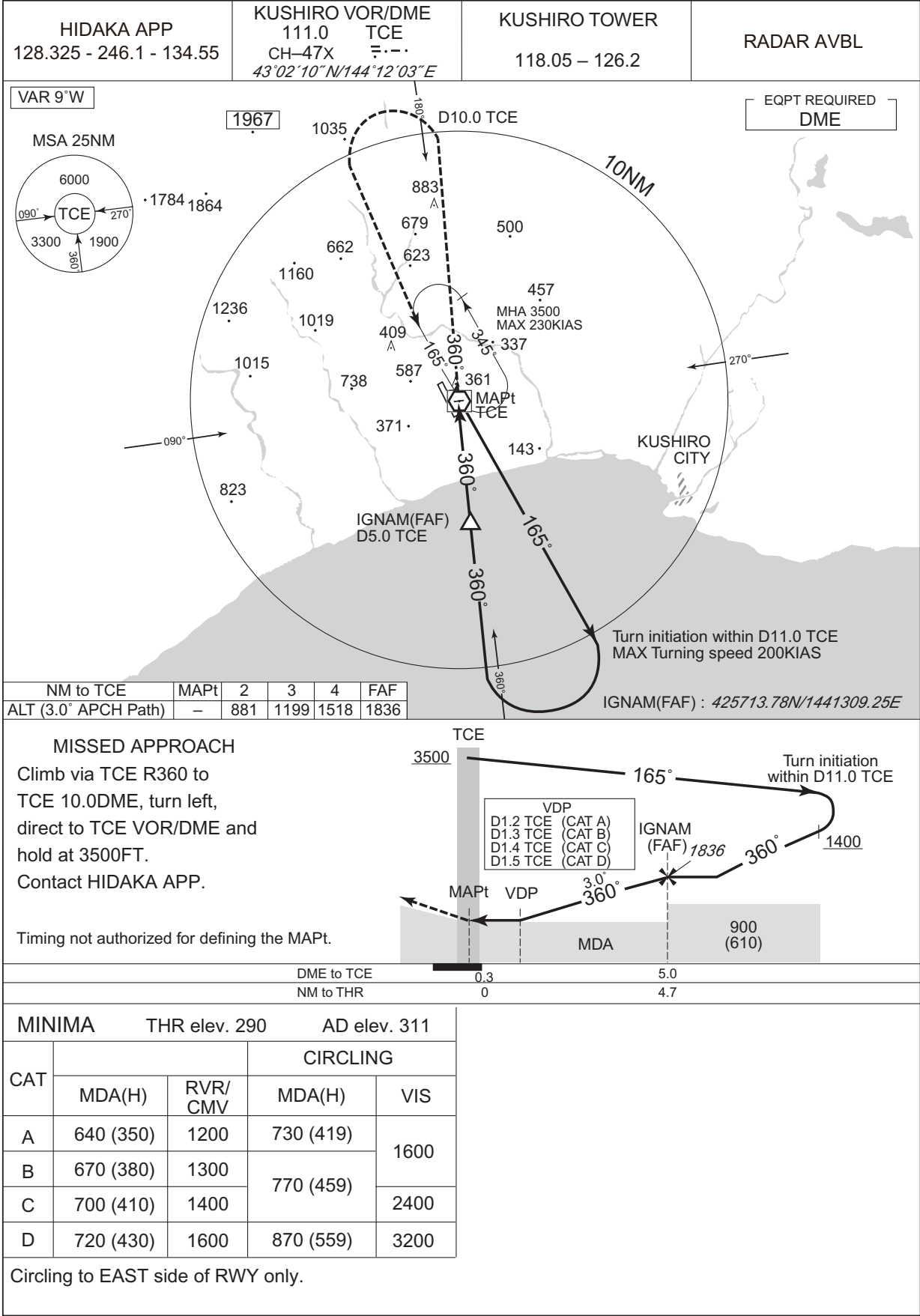
Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
AKESI	423316.40N / 1440423.57E	CKRF3	430707.83N / 1440527.18E
VAVLO	430200.49N / 1440223.10E		
CK764	430700.07N / 1440201.89E		
CK765	430935.11N / 1440444.33E		
CK766	430802.03N / 1440839.00E		
CK763	430017.29N / 1441242.98E		
CK767	430257.41N / 1442212.36E		
LEKUP	430627.23N / 1442719.94E		

CHANGE : New PROC.

INSTRUMENT APPROACH CHART

RJCK / KUSHIROVOR RWY35



INSTRUMENT APPROACH CHART

RJCK / KUSHIRO

RNP Z RWY17(AR)

Coding 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
---------------	-----------------	---------------------	----------	---------------	--------------------	---------------	----------------	---------------	--------------	-----------------	-----

INSTRUMENT APPROACH CHART

RJCK / KUSHIRO

RNP Y RWY17(AR)

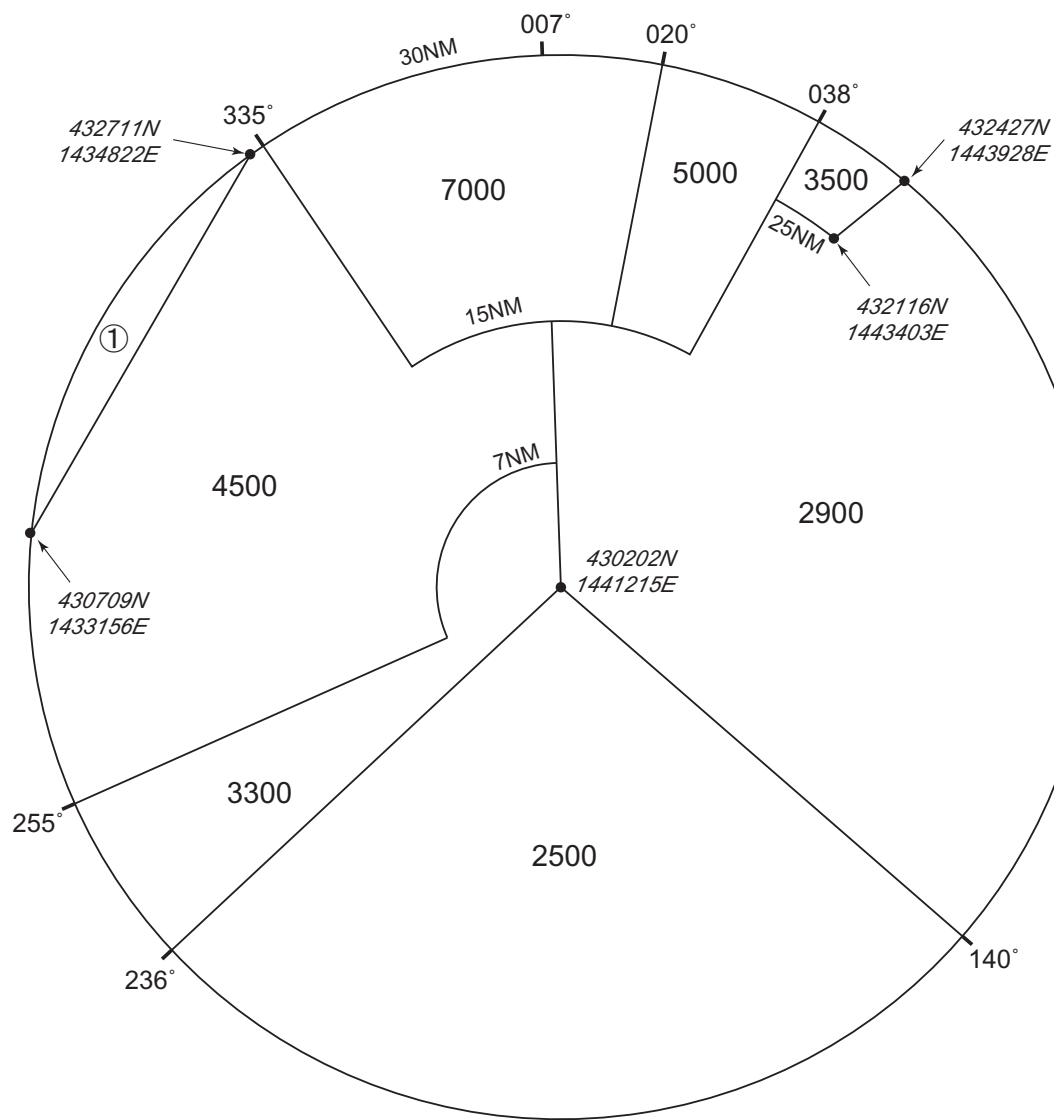
Coding Table

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (K
---------------	-----------------	---------------------	----------	---------------	--------------------	---------------	----------------	---------------	----------

RJCK / KUSHIRO

Minimum Vectoring Altitude CHART

VAR 9°W (2007)



CHANGE : KSE deleted.