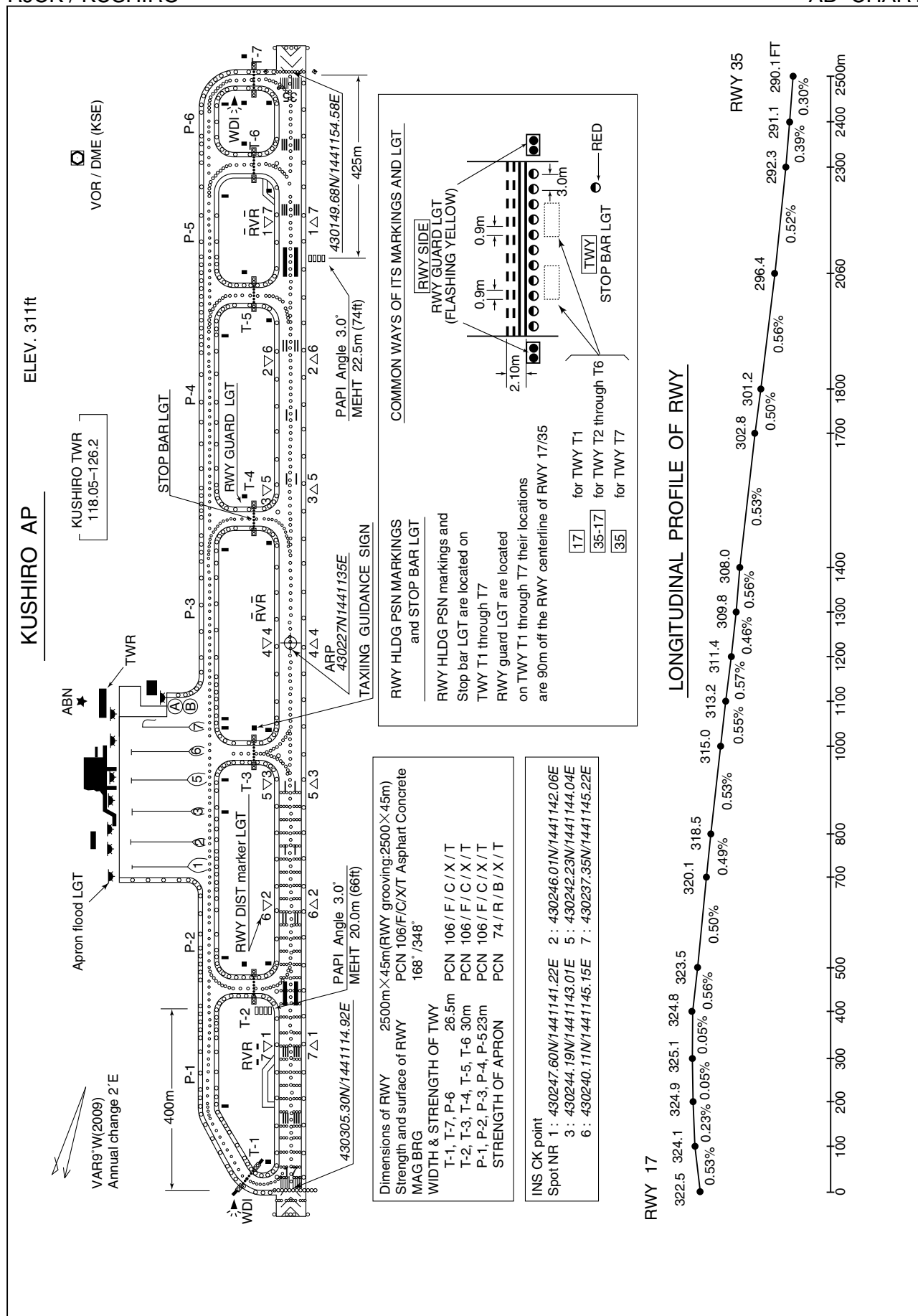


RJCK / KUSHIRO

AD CHART



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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

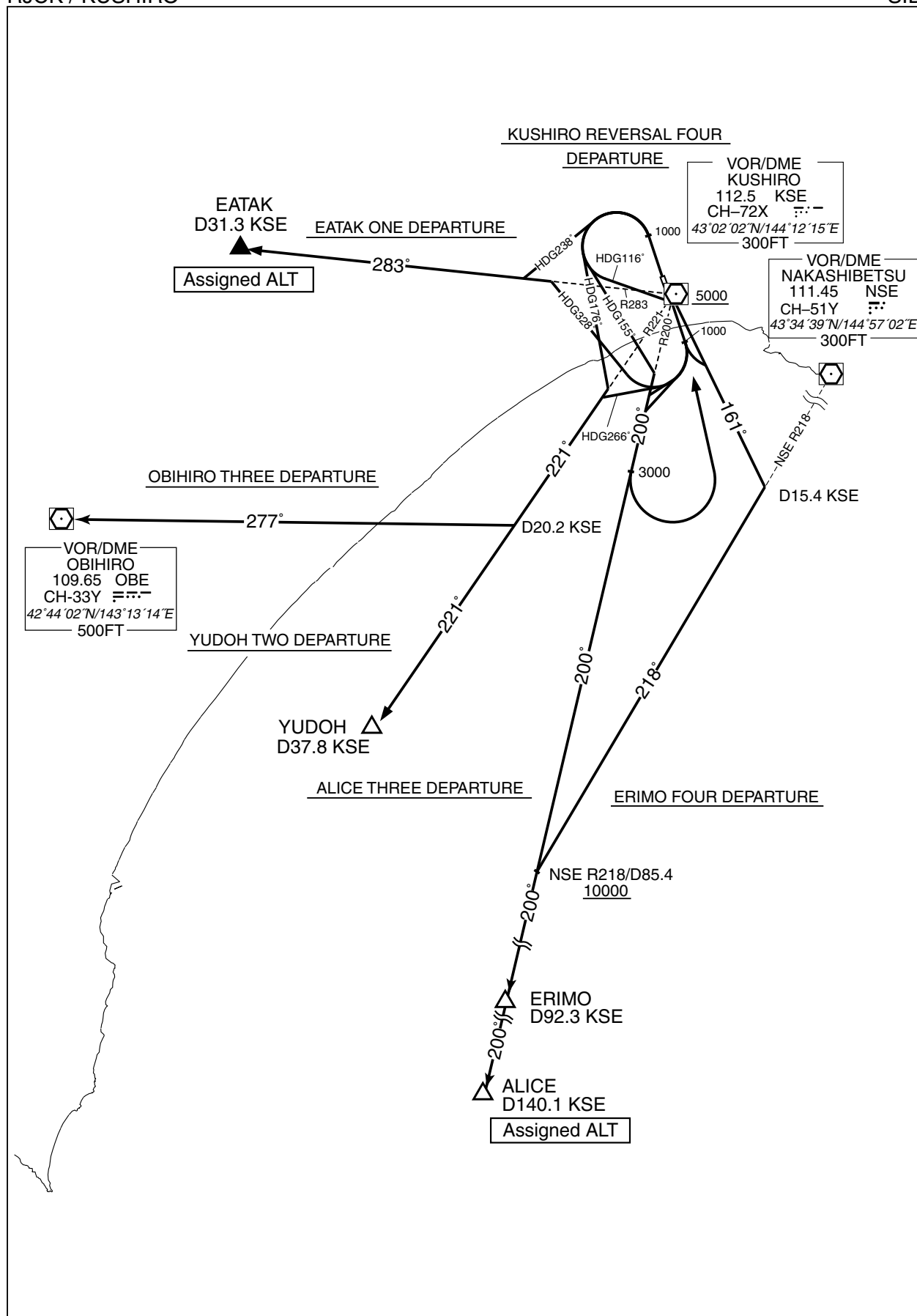
RWY17 : Climb RWY HDG to 1000FT, turn right HDG328°...
RWY35 : Climb RWY HDG to 1000FT, turn left HDG238°...
...to intercept and proceed via KSE R283 to EATAK.
Cross EATAK at assigned altitude.

Note : No turn before DER.

STANDARD DEPARTURE CHART -INSTRUMENT

RJCK / KUSHIRO

SID



STANDARD DEPARTURE CHART -INSTRUMENT

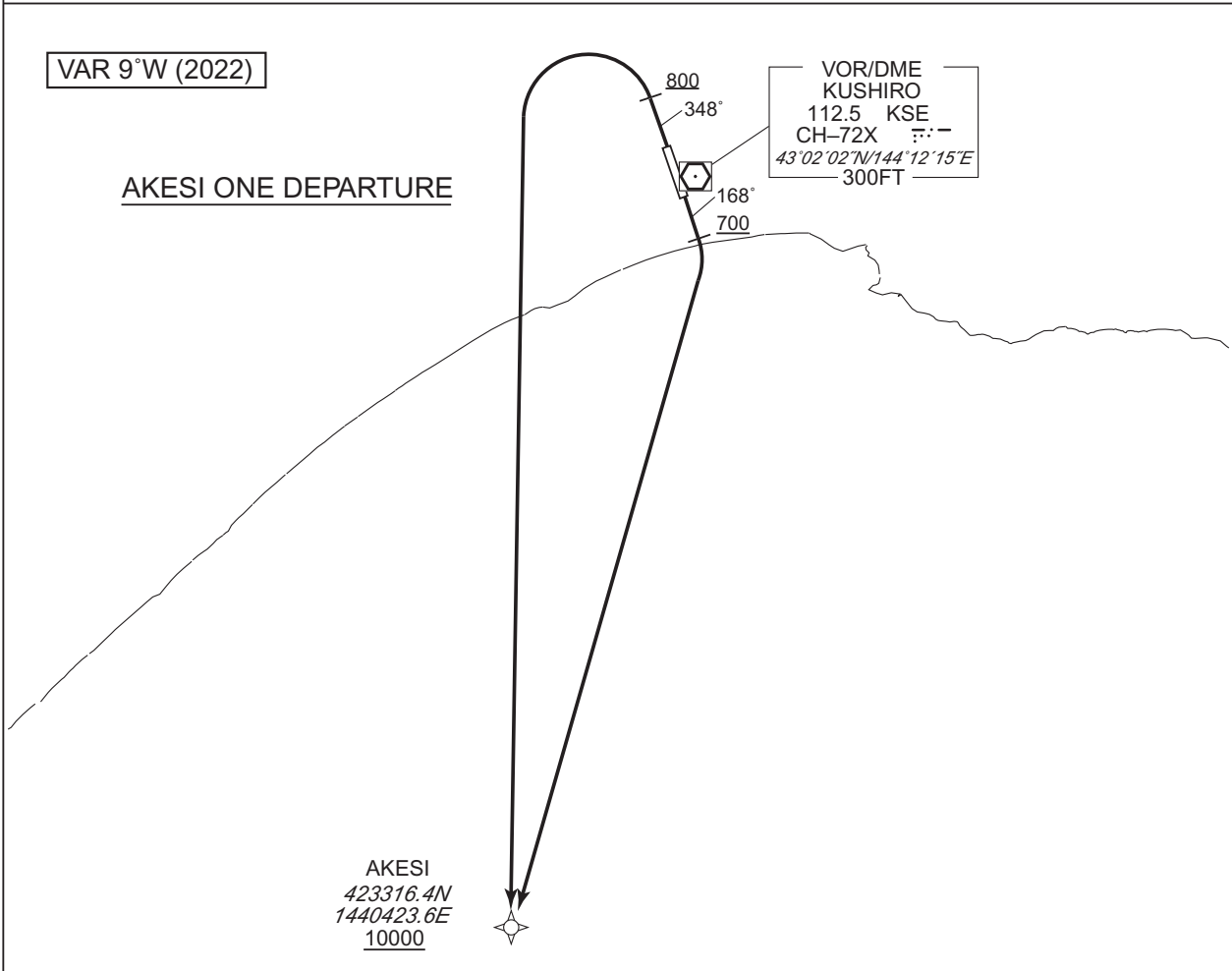
RJCK / KUSHIRO

RNAV SID

AKESI ONE DEPARTURE

Basic RNP1

Note GNSS required.



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)	-9.2	—	—	+700	—	—	Basic RNP1
002	DF	AKESI	—	—	-9.2	—	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)	-9.2	—	—	+800	—	—	Basic RNP1
002	DF	AKESI	—	—	-9.2	—	L	+10000	—	—	Basic RNP1

CHANGE : VAR.

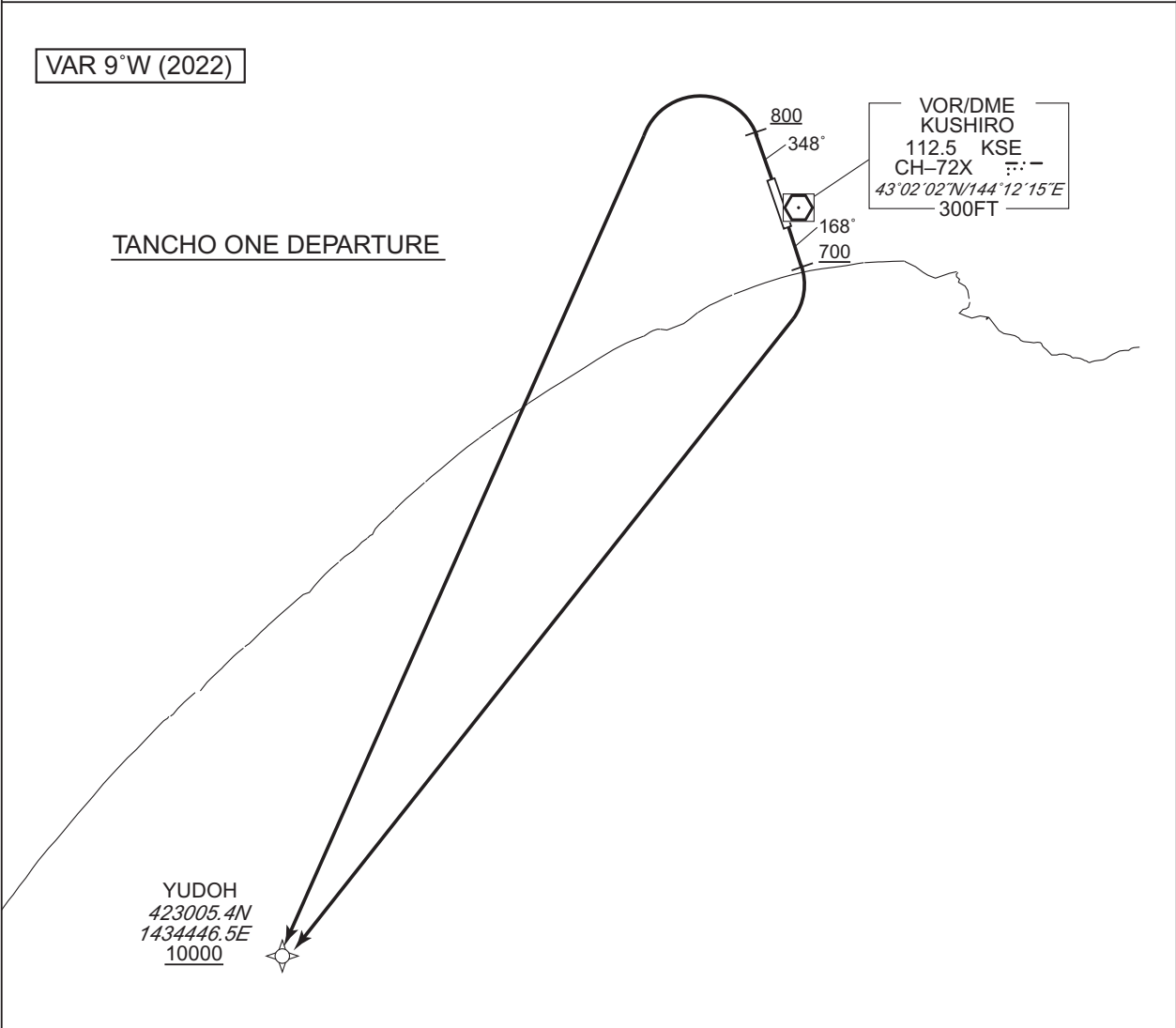
STANDARD DEPARTURE CHART -INSTRUMENT

RJCK / KUSHIRO

RNAV SID

TANCHO ONE DEPARTURE	Basic RNP1
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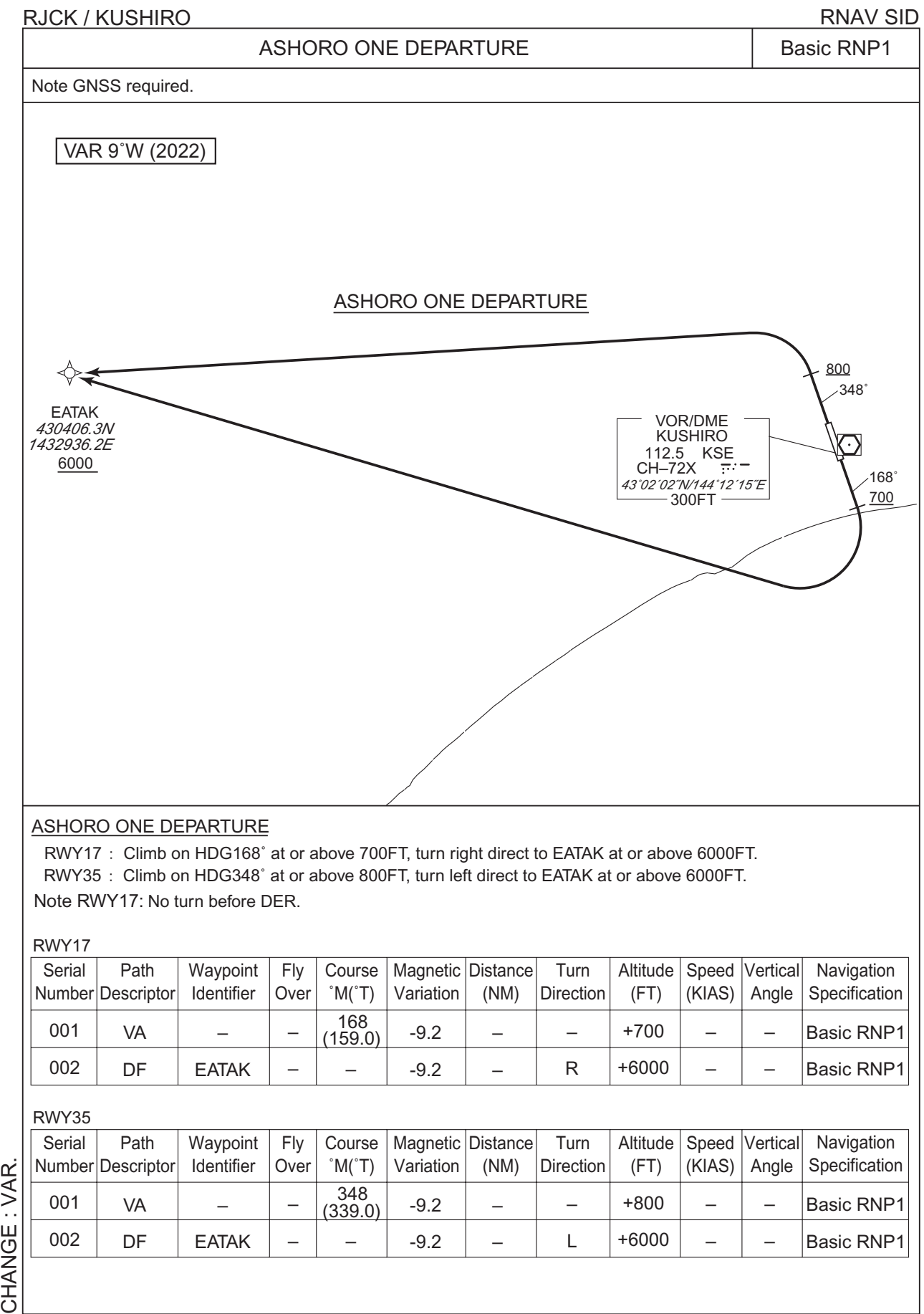
Note GNSS required.



TANCHO 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)	-9.2	—	—	+700	—	—	Basic RNP1
002	DF	YUDOH	—	—	-9.2	—	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)	-9.2	—	—	+800	—	—	Basic RNP1
002	DF	YUDOH	—	—	-9.2	—	L	+10000	—	—	Basic RNP1

CHANGE : VAR.

STANDARD DEPARTURE CHART -INSTRUMENT



ASHORO 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)	-9.2	—	—	+700	—	—	Basic RNP1
002	DF	EATAK	—	—	-9.2	—	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)	-9.2	—	—	+800	—	—	Basic RNP1
002	DF	EATAK	—	—	-9.2	—	L	+6000	—	—	Basic RNP1

CHANGE : VAR.

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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.

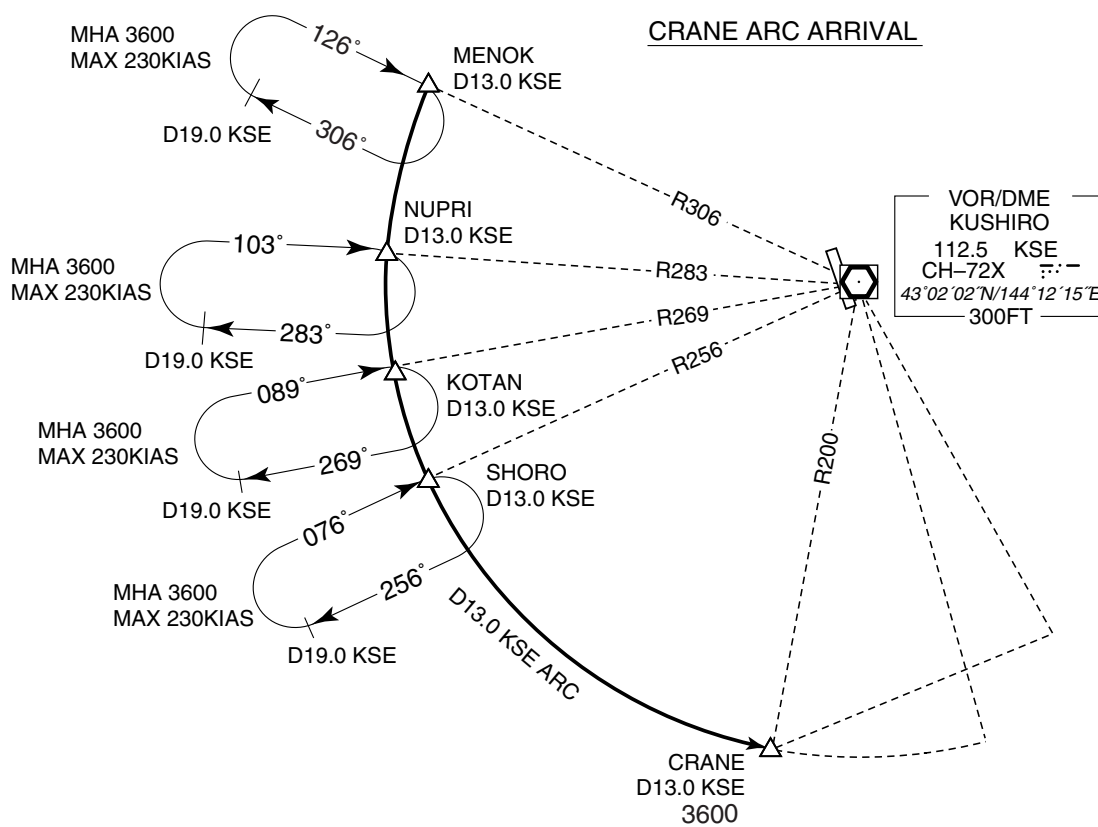


RJCK / KUSHIRO

STAR

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

CRANE ARC ARRIVAL



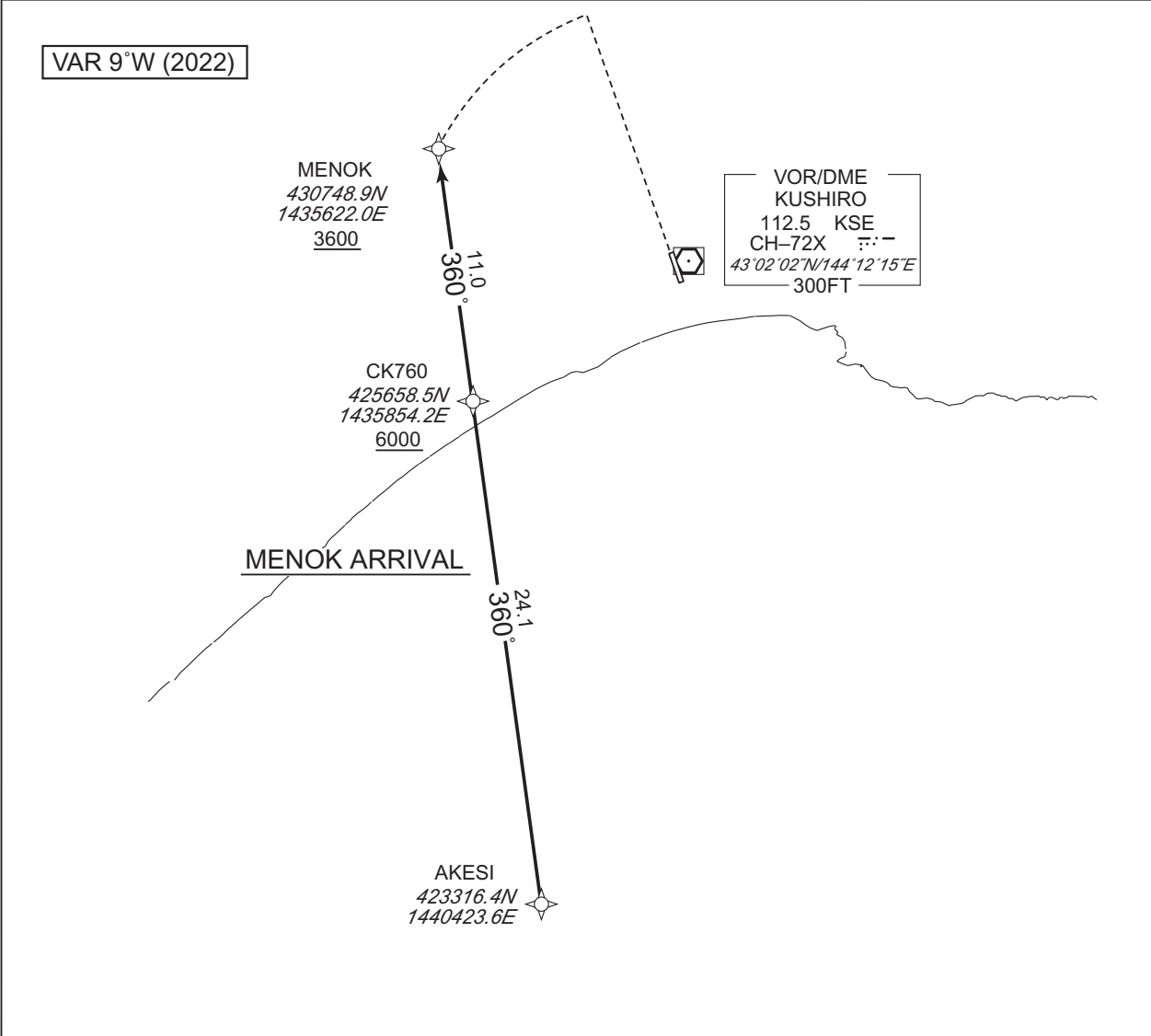
STANDARD ARRIVAL CHART -INSTRUMENT

RJCK / KUSHIRO

RNAV STAR RWY17

MENOK ARRIVAL	Basic RNP1
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Note GNSS required.



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	—	—	-9.2	—	—	—	—	—	Basic RNP1
002	TF	CK760	—	360 (350.4)	-9.2	24.1	—	+6000	—	—	Basic RNP1
003	TF	MENOK	—	360 (350.3)	-9.2	11.0	—	+3600	—	—	Basic RNP1

CHANGE : VAR. PROC course.

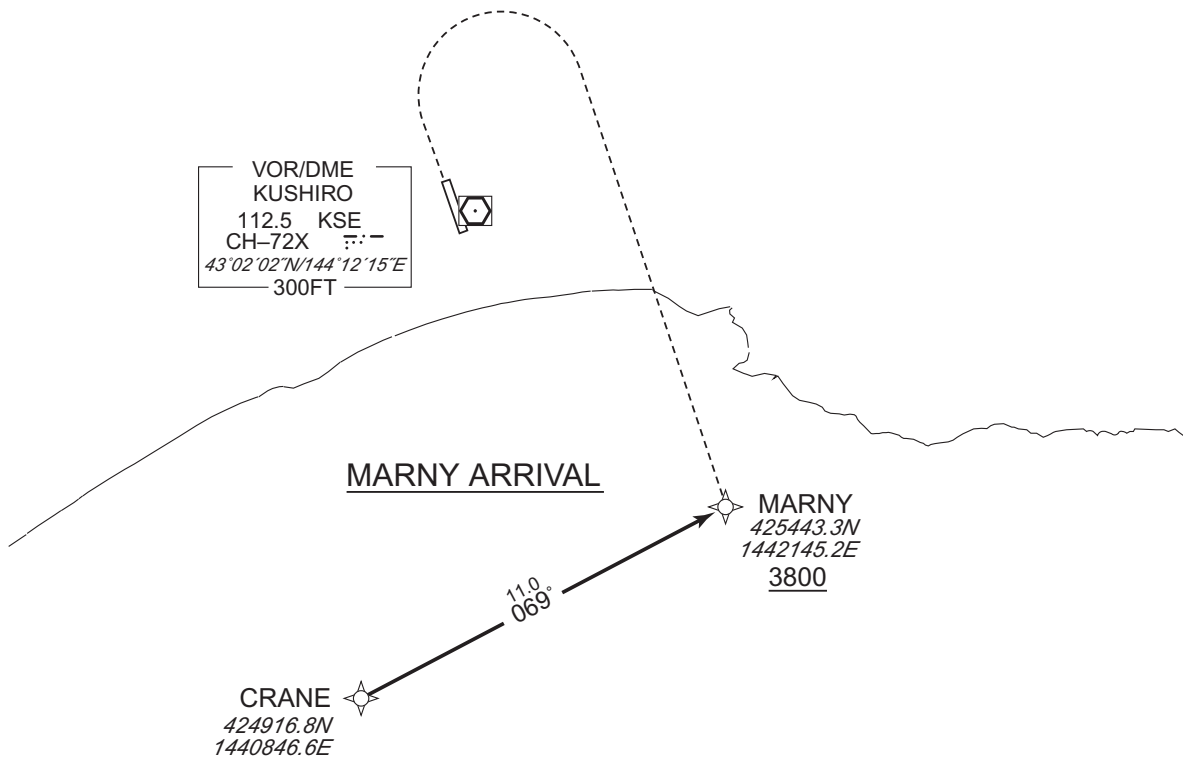
STANDARD ARRIVAL CHART -INSTRUMENT

RJCK / KUSHIRORNAV STAR RWY17

MARNY ARRIVAL	Basic RNP1
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Note GNSS required.

VAR 9°W (2022)



MARNY ARRIVAL

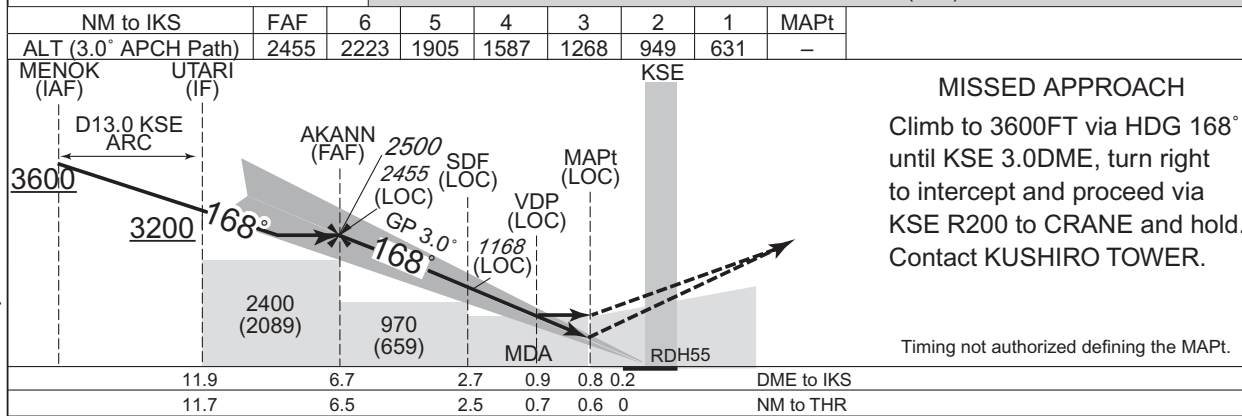
From CRANE, to MARNY at or above 3800FT.

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	—	—	-9.2	—	—	—	—	—	Basic RNP1
002	TF	MARNY	—	069 (060.2)	-9.2	11.0	—	+3800	—	—	Basic RNP1

CHANGE : VAR.

RJCK / KUSHIRO

ILS or LOC RWY17 (CAT III)

VAR 9°W (2022)

MINIMA		THR elev. 323			AD elev. 311					
CAT	CAT III	CAT II			CAT I		LOC		CIRCLING	
	RVR	DA(H)	RA	RVR	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	100	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

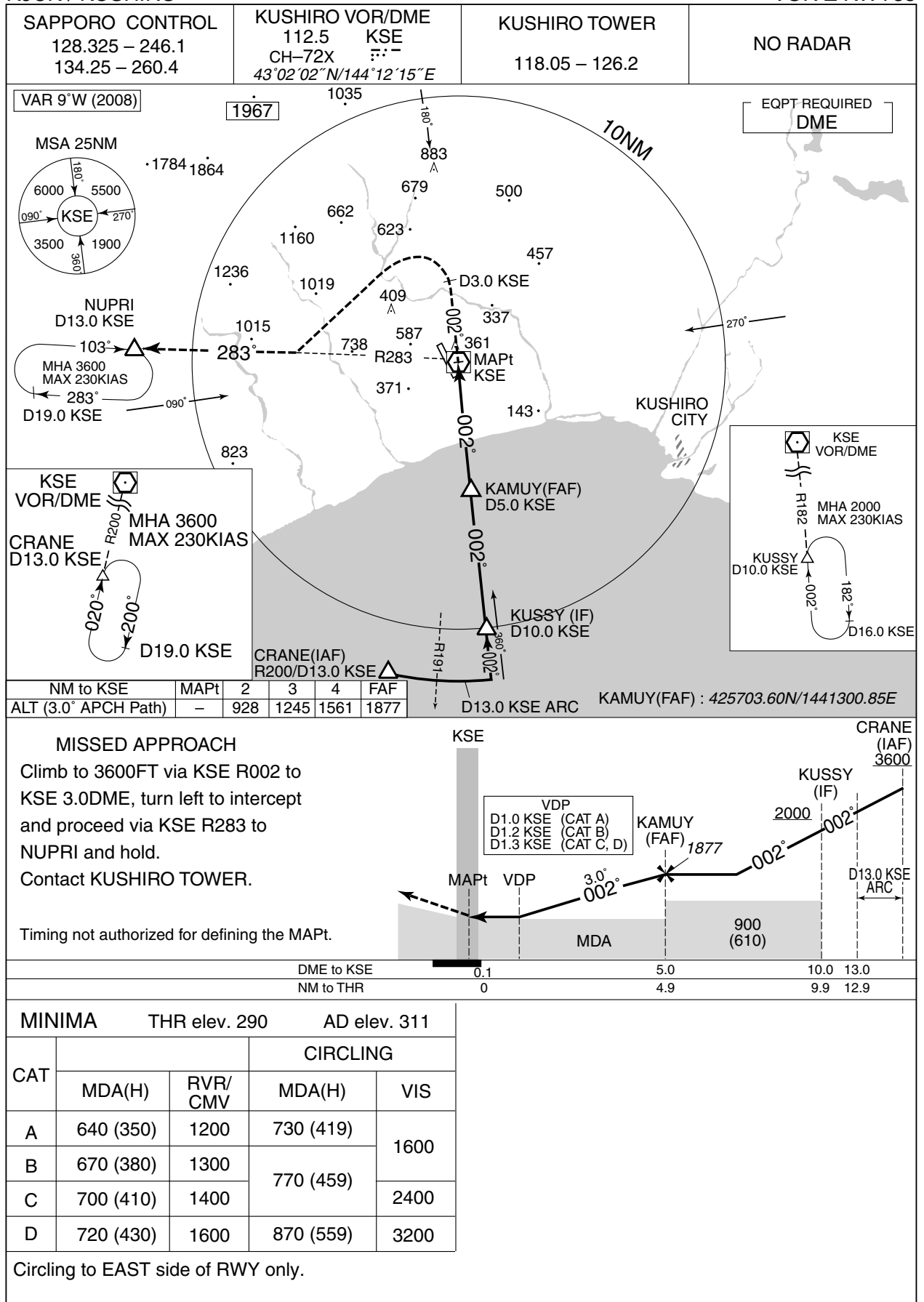
VOR RWY17



INSTRUMENT APPROACH CHART

RJCK / KUSHIRO

VOR Z RWY35



INSTRUMENT APPROACH CHART

RJCK / KUSHIRO

VOR Y RWY35



INSTRUMENT APPROACH CHART

RJCK / KUSHIRO

RNP Z RWY17(AR)

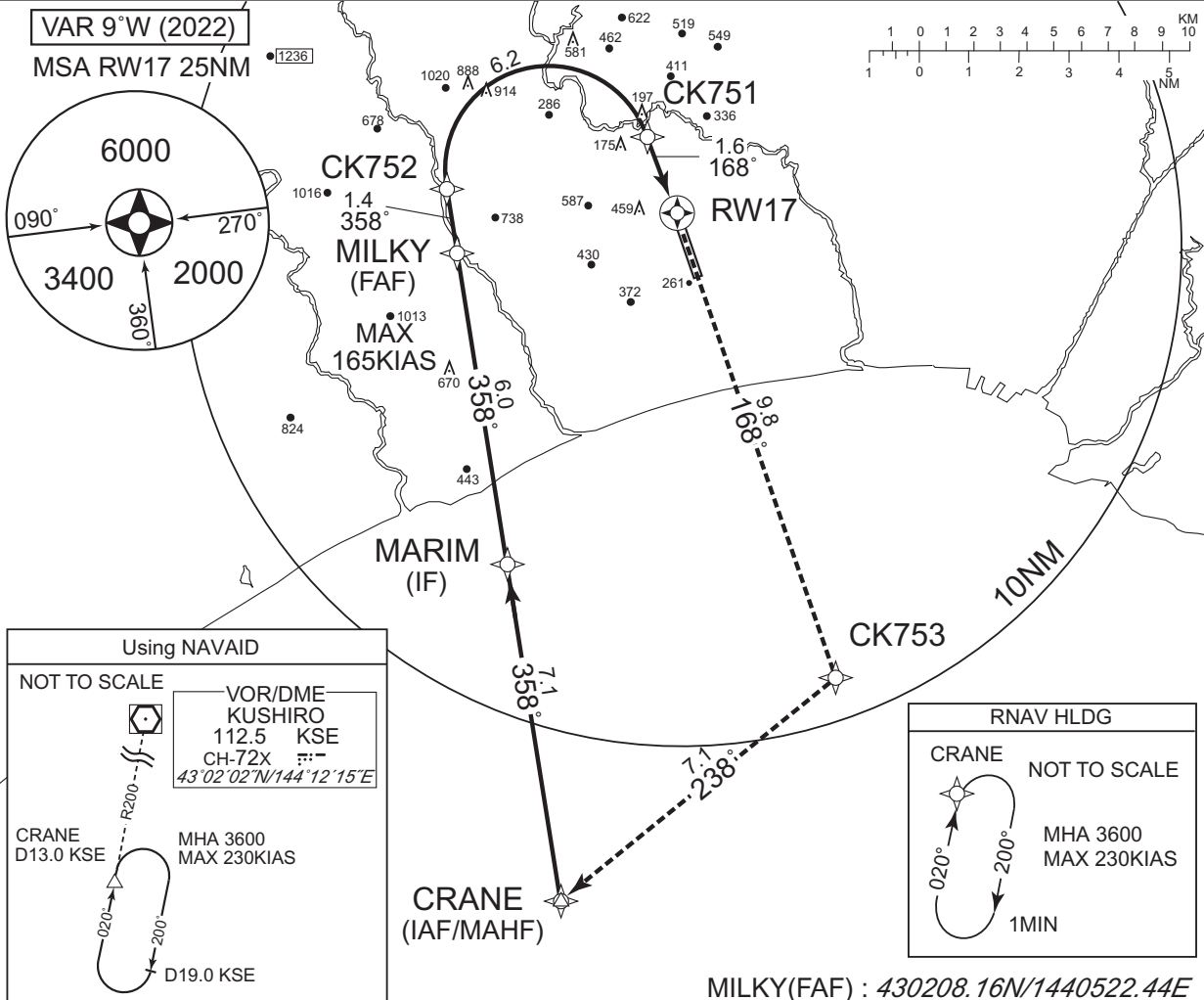
SAPPORO CONTROL
128.325 – 246.1
134.25 – 260.4

RNP AR
RF required

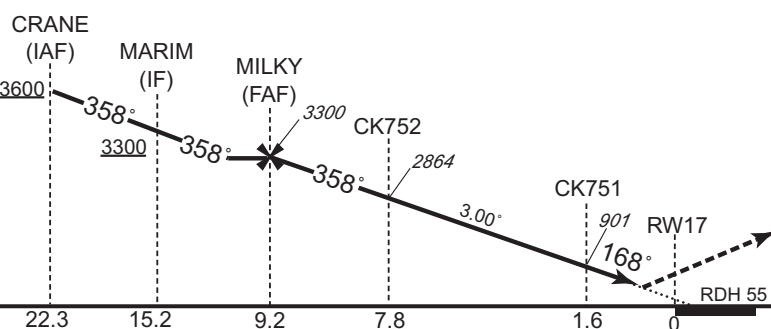
KUSHIRO TOWER
118.05 – 126.2

NO RADAR

For uncompensated Baro-VNAV systems, procedure not authorized below -25°C / above 45°C



CHANGE:PROC renamed. Requirement for RNP:



MISSED APPROACH

Climb to 3600FT, to CK753,
to CRANE and hold.
Contact KUSHIRO TOWER.

MINIMA THR elev. 323 AD elev. 311

CAT	RNP 0.30	
	DA(H)	RVR/CMV
A	—	—
B	—	—
C	621(298)	800
D		1200

Authorization Required

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 Value
001	IF	CRANE	—	—	-9.2	—	—	+3600	—	—	—
002	TF	MARIM	—	358 (349.1)	-9.2	7.1	—	+3300	—	—	1.0
003	TF	MILKY	—	358 (349.0)	-9.2	6.0	—	3300	-165	—	1.0
004	TF	CK752	—	358 (349.0)	-9.2	1.4	—	2864	—	-3.00	0.3
005	RF Center: CKRF1 r=2.08NM	CK751	—	—	-9.2	6.2	R	901	—	-3.00	0.3
006	TF	RW17	Y	168 (159.0)	-9.2	1.6	—	378	—	-3.00/55	0.3
007	TF	CK753	—	168 (159.0)	-9.2	9.8	—	—	—	—	1.0
008	TF	CRANE	—	238 (229.0)	-9.2	7.1	—	3600	—	—	1.0

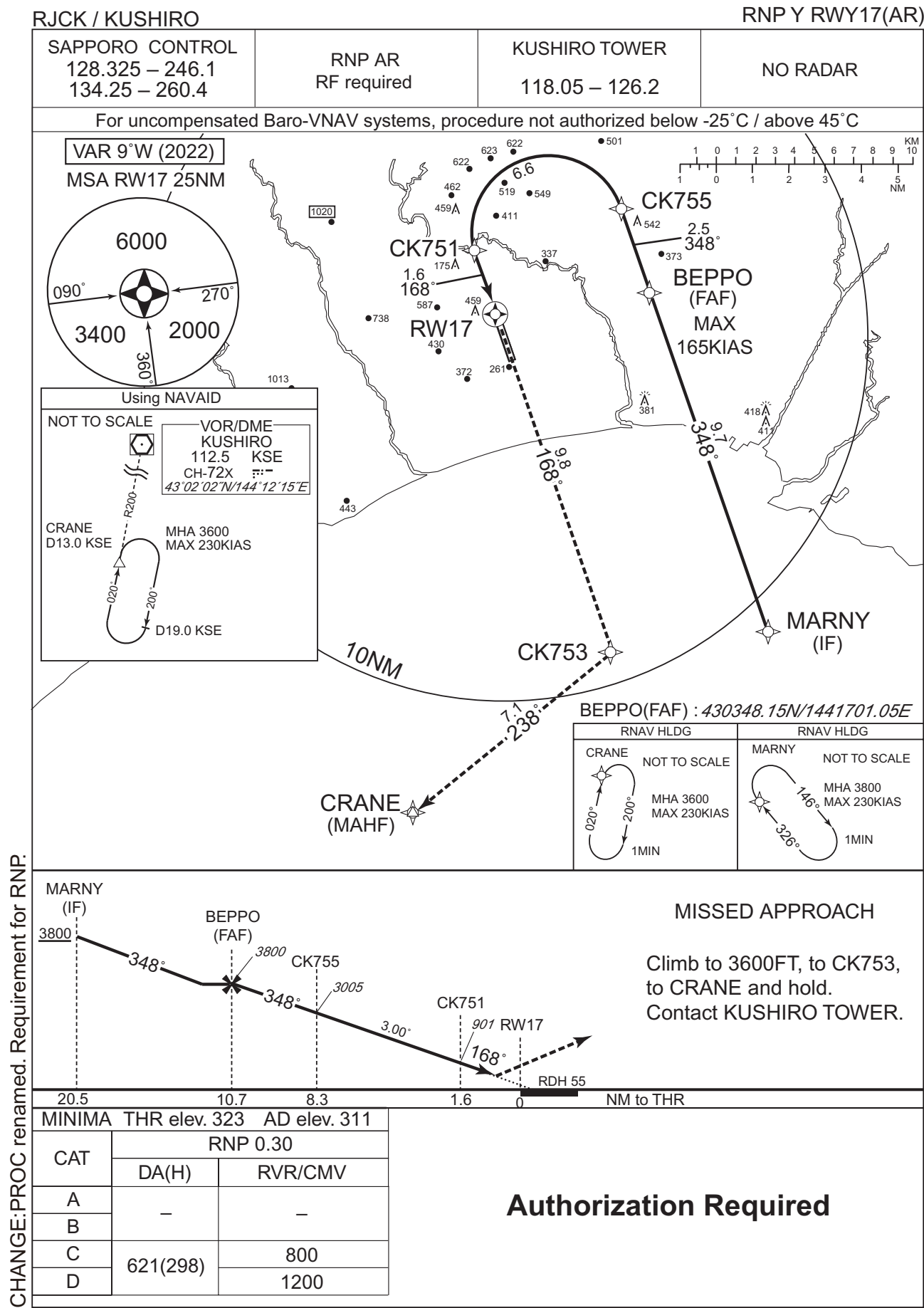
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	CRANE	020 (010.5)	-9.2	1.0(-14000)	R	3600	FL140	-230(-14000)	1.0

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		

CHANGE:PROC renamed.

INSTRUMENT APPROACH CHART



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 (KIAS)	VPA/ RDH ('/FT)	RNP Value
001	IF	MARNY	—	—	-9.2	—	—	+3800	—	—	—
002	TF	BEPP0	—	348 (339.1)	-9.2	9.7	—	3800	-165	—	1.0
003	TF	CK755	—	348 (339.1)	-9.2	2.5	—	3005	—	-3.00	0.3
004	RF Center: CKRF2 r=2.10NM	CK751	—	—	-9.2	6.6	L	901	—	-3.00	0.3
005	TF	RW17	Y	168 (159.0)	-9.2	1.6	—	378	—	-3.00/55	0.3
006	TF	CK753	—	168 (159.0)	-9.2	9.8	—	—	—	—	1.0
007	TF	CRANE	—	238 (229.0)	-9.2	7.1	—	3600	—	—	1.0

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	CRANE	020 (010.5)	-9.2	1.0(-14000)	R	3600	FL140	-230(-14000)	1.0
Hold	MARNY	326 (316.4)	-9.2	1.0(-14000)	R	3800	FL140	-230(-14000)	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
MARNY	425443.27N / 1442145.22E	CKRF2	430522.76N / 1441307.17E
BEPP0	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		

CHANGE:PROC renamed.

RJCK / KUSHIRO RNP X RWY17



INSTRUMENT APPROACH CHART

RJCK /KUSHIRO

RNP X RWY17

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+01279
SBAS service provider identifier	2	FPAP latitude	430149.6680N
Airport identifier	RJCK	FPAP longitude	1441154.5465E
Runway	17	Threshold crossing height	00016.7
Approach performance designator	0	TCH units selector	1
Route indicator	X	Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M17A	∠ length offset	0000
LTP/FTP latitude	430305.2840N	HAL	40.0
LTP/FTP longitude	1441114.8770E	VAL	50.0
CRC remainder	A0B919FD		

Required additional data

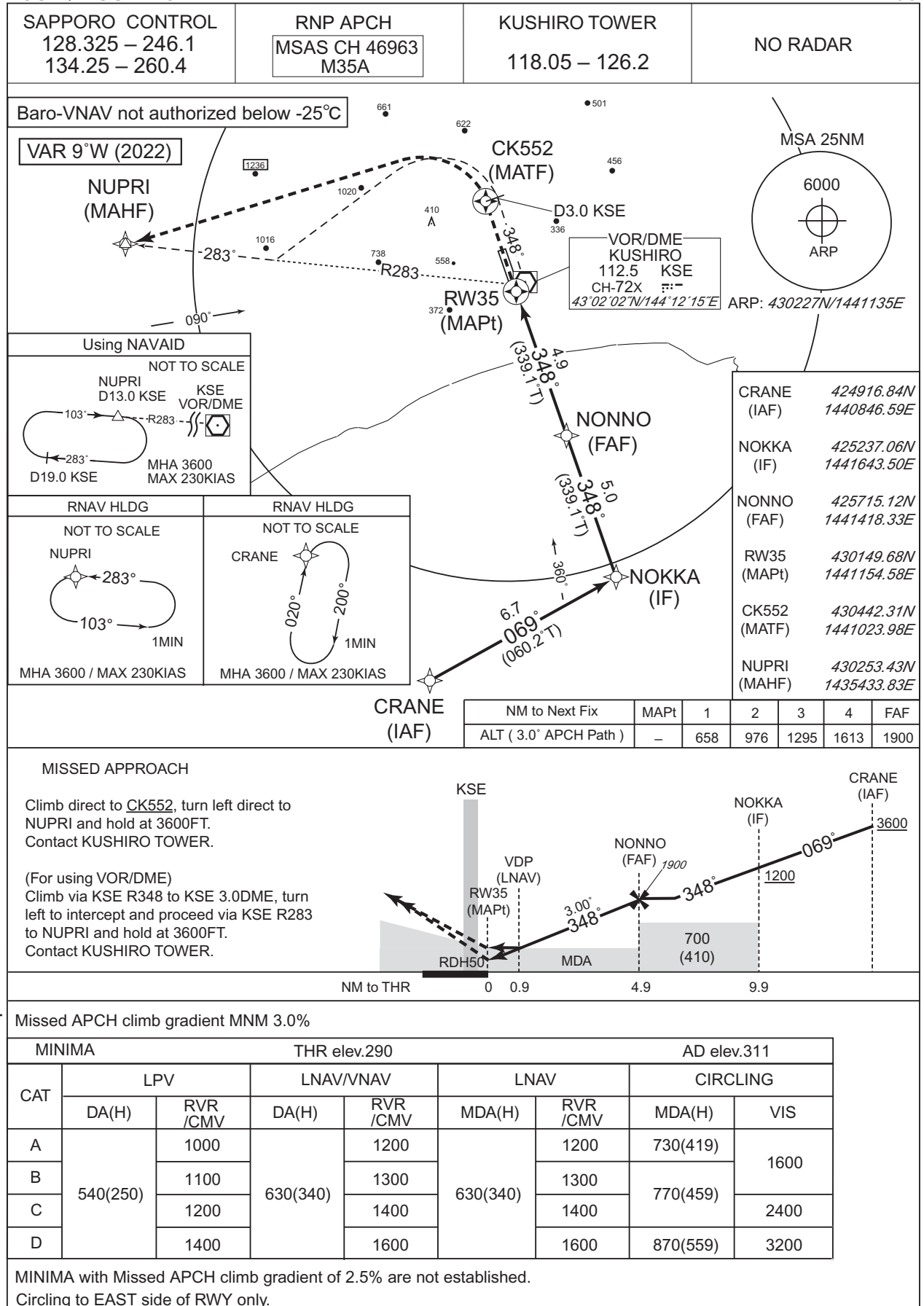
LTP/FTP orthometric height	98.0
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CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

INSTRUMENT APPROACH CHART

RJCK / KUSHIRO

RNP RWY35



CHANGE:PROC renamed. Requirement for RNP.

INSTRUMENT APPROACH CHART

RJCK /KUSHIRO

RNP RWY35

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+01179
SBAS service provider identifier	2	FPAP latitude	430305.2840N
Airport identifier	RJCK	FPAP longitude	1441114.8770E
Runway	35	Threshold crossing height	00015.0
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M35A	∠ length offset	0000
LTP/FTP latitude	430149.6680N	HAL	40.0
LTP/FTP longitude	1441154.5465E	VAL	50.0
CRC remainder	F9C3454C		

Required additional data

LTP/FTP orthometric height	88.1
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CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

RJCK / KUSHIRO

Visual REP



※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

Call sign	BRG / DIST from ARP	Remarks
北斗 Hokuto	080°T / 4.6NM	T字路交差点 Intersection
大楽毛 Otanoshike	113°T / 4.2NM	製紙工場煙突群 Chimneys
釧路ステーション Kushiro Station	110°T / 8.8NM	JR駅 Station
西庶路 Nishisyoro	215°T / 4.7NM	JR駅 Station
白糖 Shiranuka	225°T / 7.2NM	JR駅 Station

CHANGE : Map updated. BRG/DIST from ARP.

RJCK / KUSHIRO

Minimum Vectoring Altitude CHART

VAR 9°W (2007)

