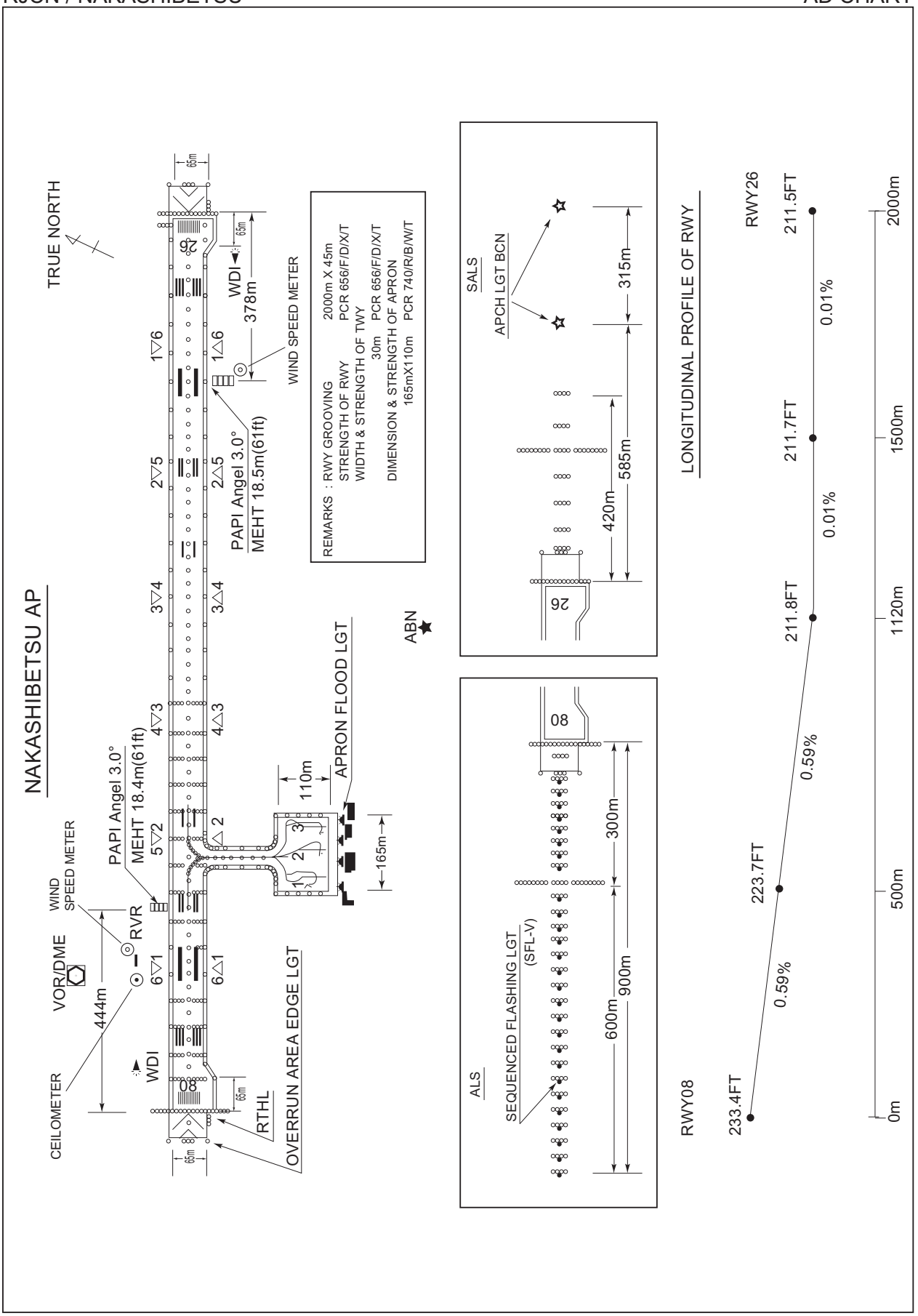
RJCN / NAKASHIBETSU AD CHART



STANDARD DEPARTURE CHART-INSTRUMENT

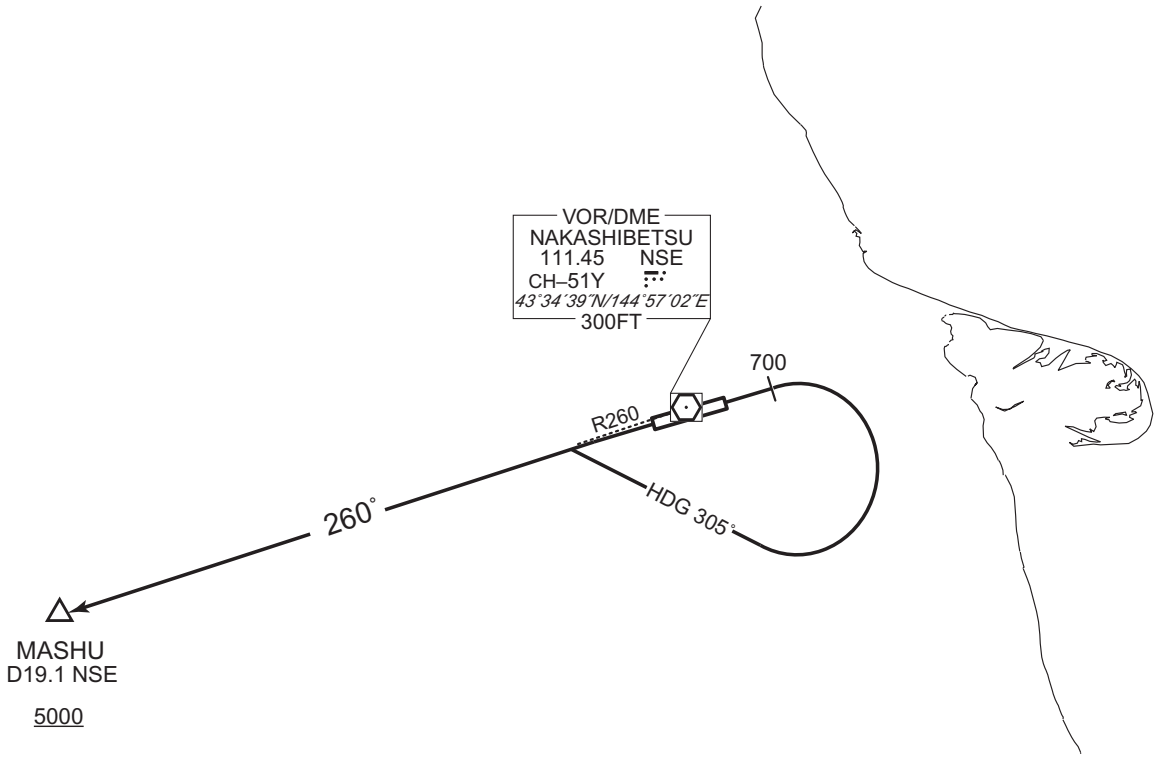
RJCN / NAKASHIBETSU SID

MASHU FIVE DEPARTURE

RWY08: Climb RWY HDG to 700FT, turn right HDG305˚ to intercept and proceed...

RWY26: Climb...

... via NSE R260 to MASHU.
Cross MASHU at or above 5000FT.



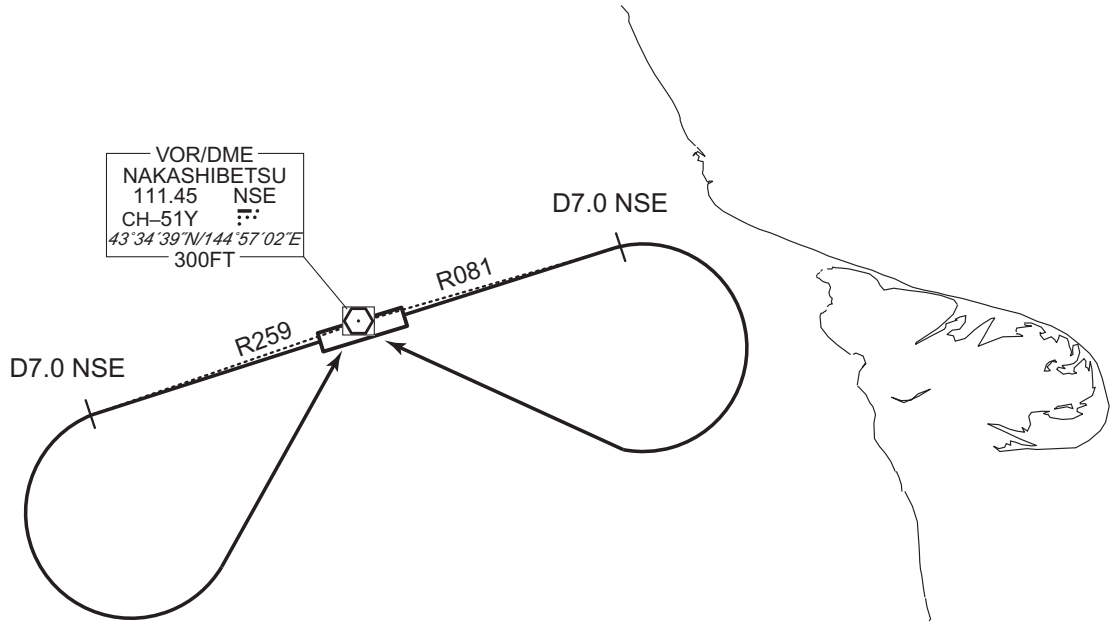
CHANGE : Description of PROC name.

STANDARD DEPARTURE CHART-INSTRUMENT

RJCN / NAKASHIBETSU SID

NAKASHIBETSU REVERSAL FOUR DEPARTURE

RWY08: Climb via NSE R081 to NSE 7.0DME, turn right,...
RWY26: Climb via NSE R259 to NSE 7.0DME, turn left,...
... direct to NSE VOR/DME.



CHANGE : Description of PROC name.

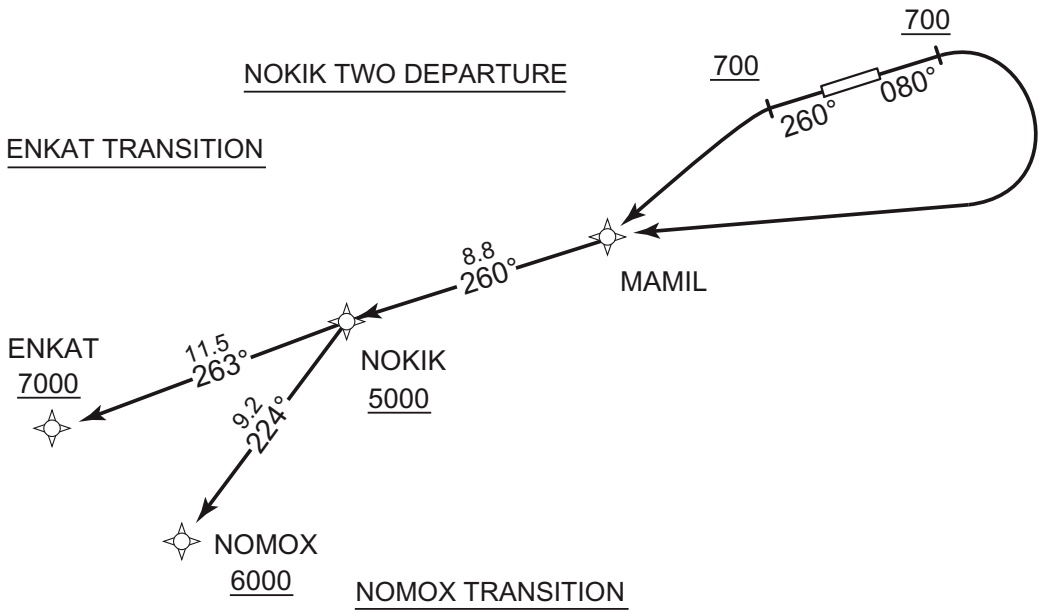
STANDARD DEPARTURE CHART-INSTRUMENT

RJCN / NAKASHIBETSU — RNAV SID and TRANSITION

NOKIK TWO DEPARTURE ENKAT TRANSITION / NOMOX TRANSITION	RNP1

Note GNSS required.

VAR 9°W



NOKIK TWO DEPARTURE

RWY08 : Climb on HDG080° at or above 700FT, turn right direct to MAMIL, to NOKIK at or above 5000FT.

RWY26 : Climb on HDG260° at or above 700FT, turn left direct to MAMIL, to NOKIK at or above 5000FT.

ENKAT TRANSITION

From NOKIK at or above 5000FT, to ENKAT at or above 7000FT.

NOMOX TRANSITION

From NOKIK at or above 5000FT, to NOMOX at or above 6000FT.

CHANGE : PROC renamed. MAMIL established. CN743 abolished.

RJCN / NAKASHIBETSU RNAV SID and TRANSITION

CHANGE : PROC renamed. MAMIL established. CN743 abolished. Waypoint Coordinates added.

NOKIK TWO DEPARTURE

RWY08

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	-	-	080 (071.0)	-9.3	-	-	+700	-	-	RNP1
002	DF	MAMIL	-	-	-9.3	-	R	-	-	-	RNP1
003	TF	NOKIK	-	260 (250.8)	-9.3	8.8	-	+5000	-	-	RNP1

RWY26

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	-	-	260 (251.0)	-9.3	-	-	+700	-	-	RNP1
002	DF	MAMIL	-	-	-9.3	-	L	-	-	-	RNP1
003	TF	NOKIK	-	260 (250.8)	-9.3	8.8	-	+5000	-	-	RNP1

ENKAT TRANSITION

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	NOKIK	-	-	-9.3	-	-	+5000	-	-	RNP1
002	TF	ENKAT	-	263 (254.1)	-9.3	11.5	-	+7000	-	-	RNP1

NOMOX TRANSITION

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	NOKIK	-	-	-9.3	-	-	+5000	-	-	RNP1
002	TF	NOMOX	-	224 (215.2)	-9.3	9.2	-	+6000	-	-	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
MAMIL	*432936.1N / 1444705.2E*
NOKIK	*432642.6N / 1443539.6E*
ENKAT	*432331.5N / 1442024.1E*
NOMOX	*431912.2N / 1442823.8E*

STANDARD ARRIVAL CHART - INSTRUMENT

RJCN / NAKASHIBETSU — RNAV STAR

KUSHIRO ARRIVAL — RNP1

Note GNSS required.

VAR 9˚W

From TCE, to LANUP at or above 5000FT.

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	TCE	–	–	-9.2	–	–	–	–	–	RNP1
002	TF	LANUP	–	094 (084.8)	-9.2	40.3	–	+5000	–	–	RNP1

Waypoint Coordinates

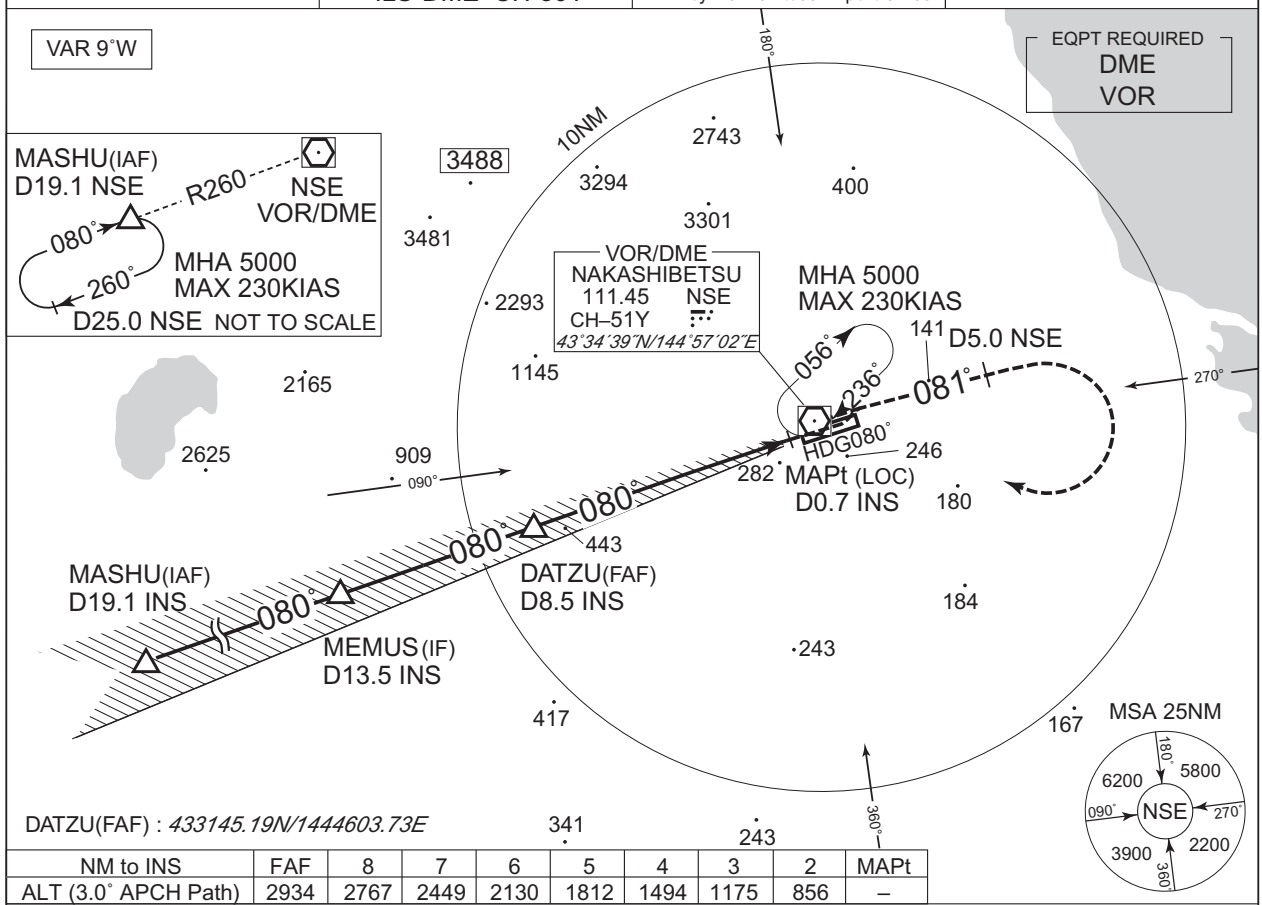
Waypoint Identifier	Coordinates
TCE	*430209.8N / 1441202.7E*
LANUP	*430535.5N / 1450655.5E*

CHANGE : LANUP established. OMOTI abolished. Waypoint Coordinates added.

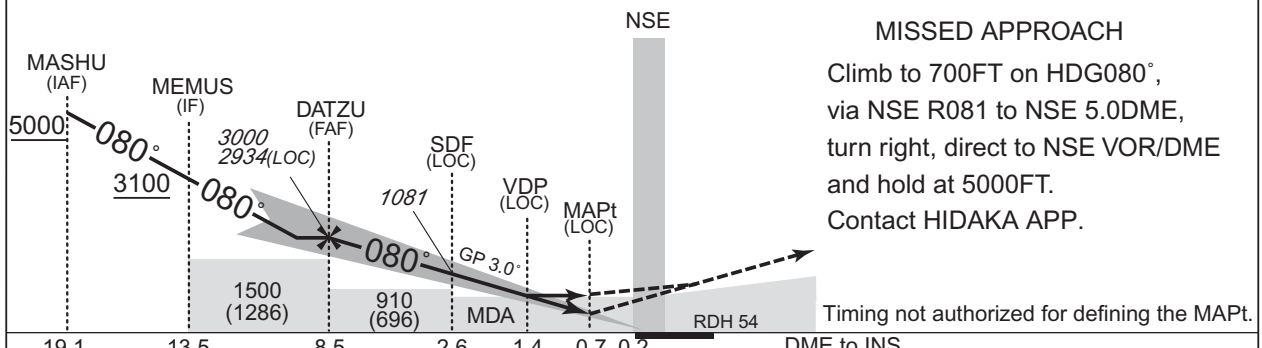
INSTRUMENT APPROACH CHART

RJCN / NAKASHIBETSU — ILS Z or LOC Z RWY08

HIDAKA APP	ILS / LOC	NAKASHIBETSU RADIO	RADAR AVBL
128.325 - 246.1 - 134.55	109.35 INS ILS – GP 331.85 ILS-DME CH-30Y	122.7 AFIS provided by New Chitose Airport Office	



NM to INS	FAF	8	7	6	5	4	3	2	MAPt
ALT (3.0˚ APCH Path)	2934	2767	2449	2130	1812	1494	1175	856	–



MISSED APPROACH

Climb to 700FT on HDG080˚,
via NSE R081 to NSE 5.0DME,
turn right, direct to NSE VOR/DME
and hold at 5000FT.
Contact HIDAKA APP.

Timing not authorized for defining the MAPt.

19.1	13.5	8.5	2.6	1.4	0.7	0.2	DME to INS
18.9	13.3	8.3	2.5	1.2	0.5	0	NM to THR

MINIMA THR elev. 233 AD elev. 214

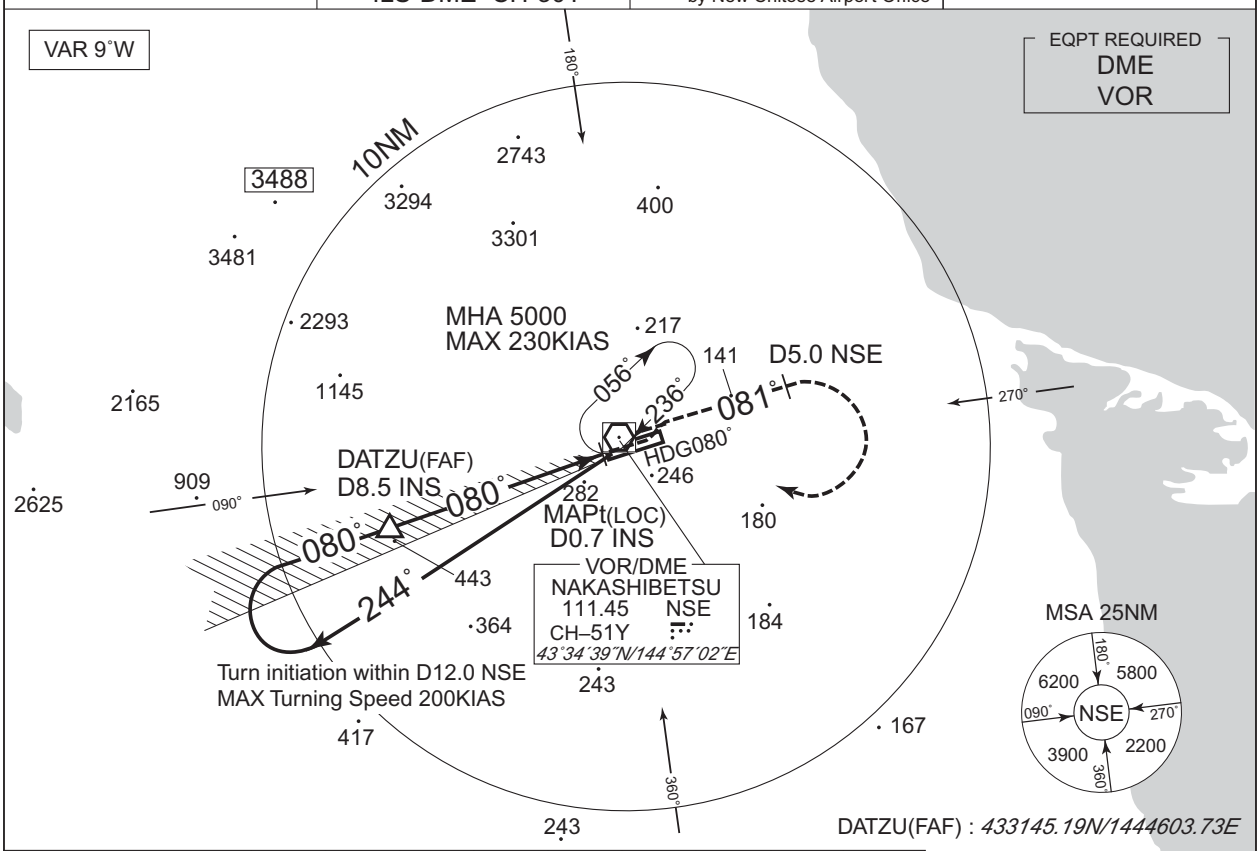
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	433 (200)	550	640 (426)	900	690 (476)	1600
B				1000		
C						2400
D				1400	770 (556)	3200

CHANGE : MEMUS established. HAGEN abolished.

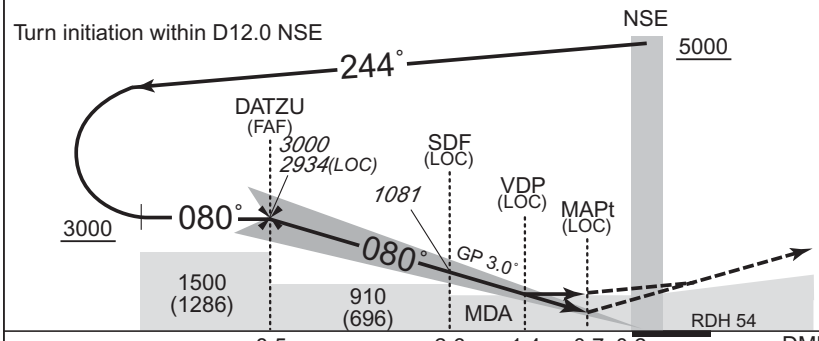
INSTRUMENT APPROACH CHART

RJCN / NAKASHIBETSU — ILS Y or LOC Y RWY08

HIDAKA APP 128.325 - 246.1 - 134.55	ILS / LOC 109.35 INS ⁝⁝ ILS – GP 331.85 ILS-DME CH-30Y	NAKASHIBETSU RADIO 122.7 AFIS provided by New Chitose Airport Office	RADAR AVBL



NM to INS	FAF	8	7	6	5	4	3	2	MAPt
ALT (3.0˚ APCH Path)	2934	2767	2449	2130	1812	1494	1175	856	–



MISSED APPROACH

Climb to 700FT on HDG080˚,
via NSE R081 to NSE 5.0DME,
turn right, direct to NSE VOR/DME
and hold at 5000FT.
Contact HIDAKA APP.

Timing not authorized for defining the MAPt.

8.5	2.6	1.4	0.7	0.2		DME to INS
8.3	2.5	1.2	0.5	0		NM to THR

MINIMA THR elev. 233 AD elev. 214

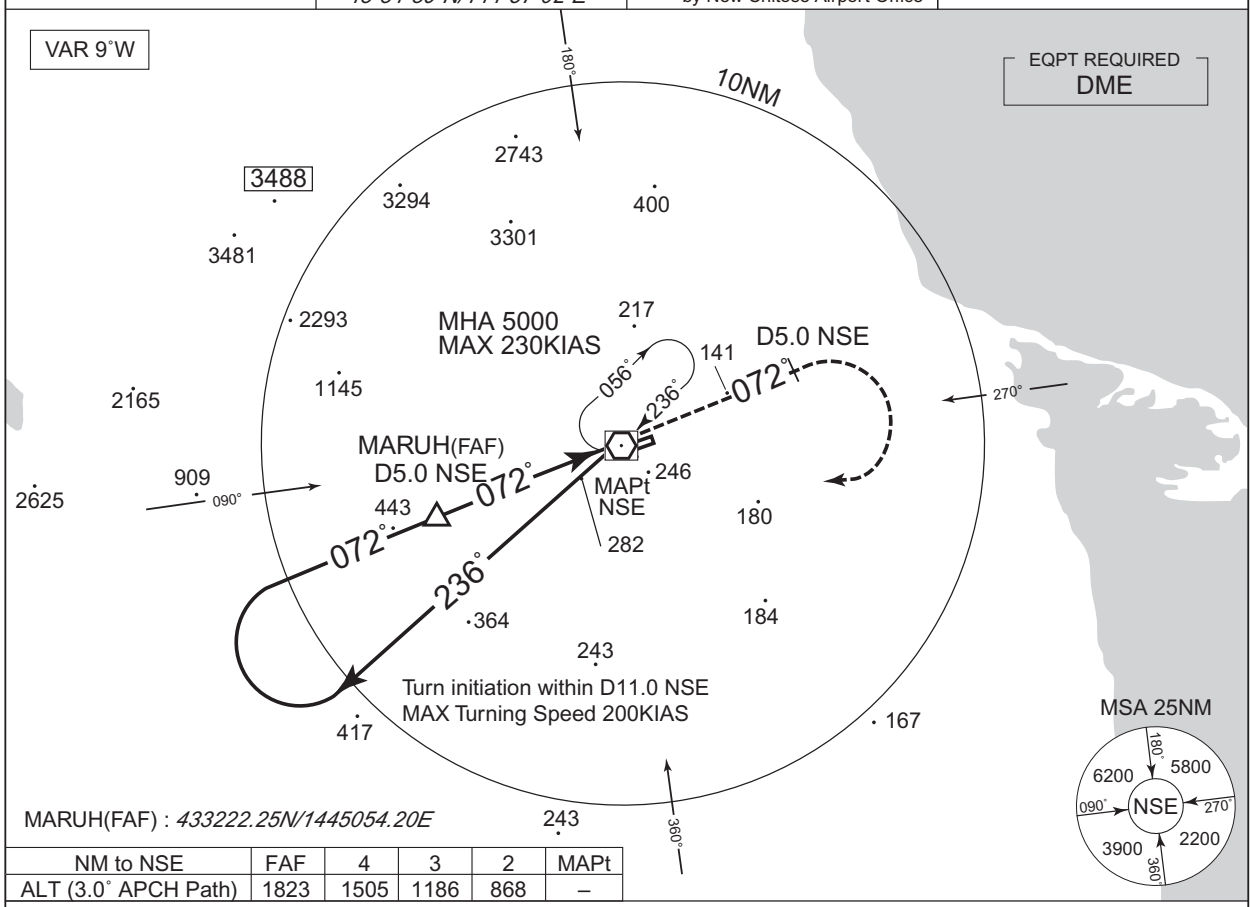
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	433 (200)	550	640 (426)	900	690 (476)	1600
B				1000		
C						2400
D				1400	770 (556)	3200

CHANGE : Description of SDF(LOC) in profile view.

INSTRUMENT APPROACH CHART

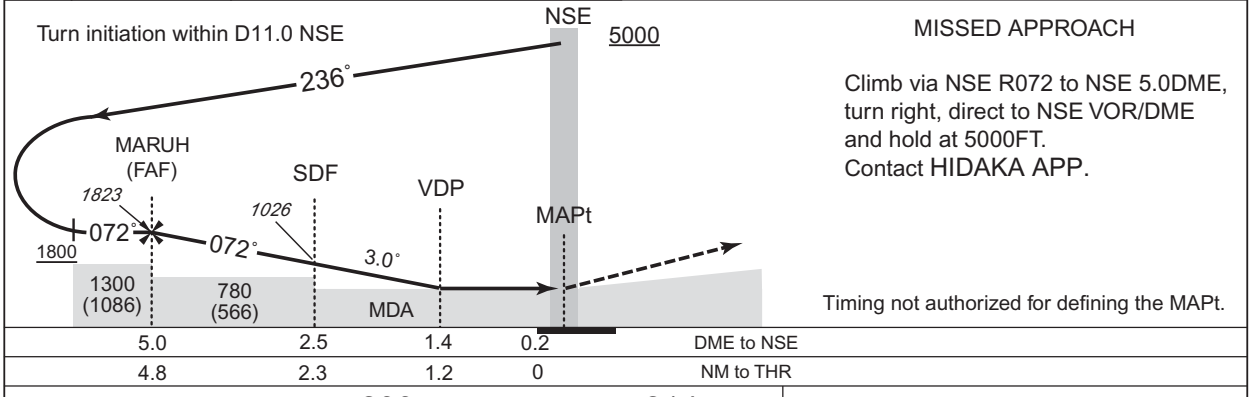
RJCN / NAKASHIBETSU VOR RWY08

HIDAKA APP	NAKASHIBETSU VOR/DME	NAKASHIBETSU RADIO	RADAR AVBL
128.325 - 246.1 - 134.55	111.45 NSE CH–51Y *43°34′39″N/144°57′02″E*	122.7 AFIS provided by New Chitose Airport Office	



MARUH(FAF) : *433222.25N/1445054.20E*

NM to NSE	FAF	4	3	2	MAPt
ALT (3.0° APCH Path)	1823	1505	1186	868	–



MISSED APPROACH

Climb via NSE R072 to NSE 5.0DME, turn right, direct to NSE VOR/DME and hold at 5000FT.
Contact HIDAKA APP.

Timing not authorized for defining the MAPt.

MINIMA THR elev. 233 AD elev. 214

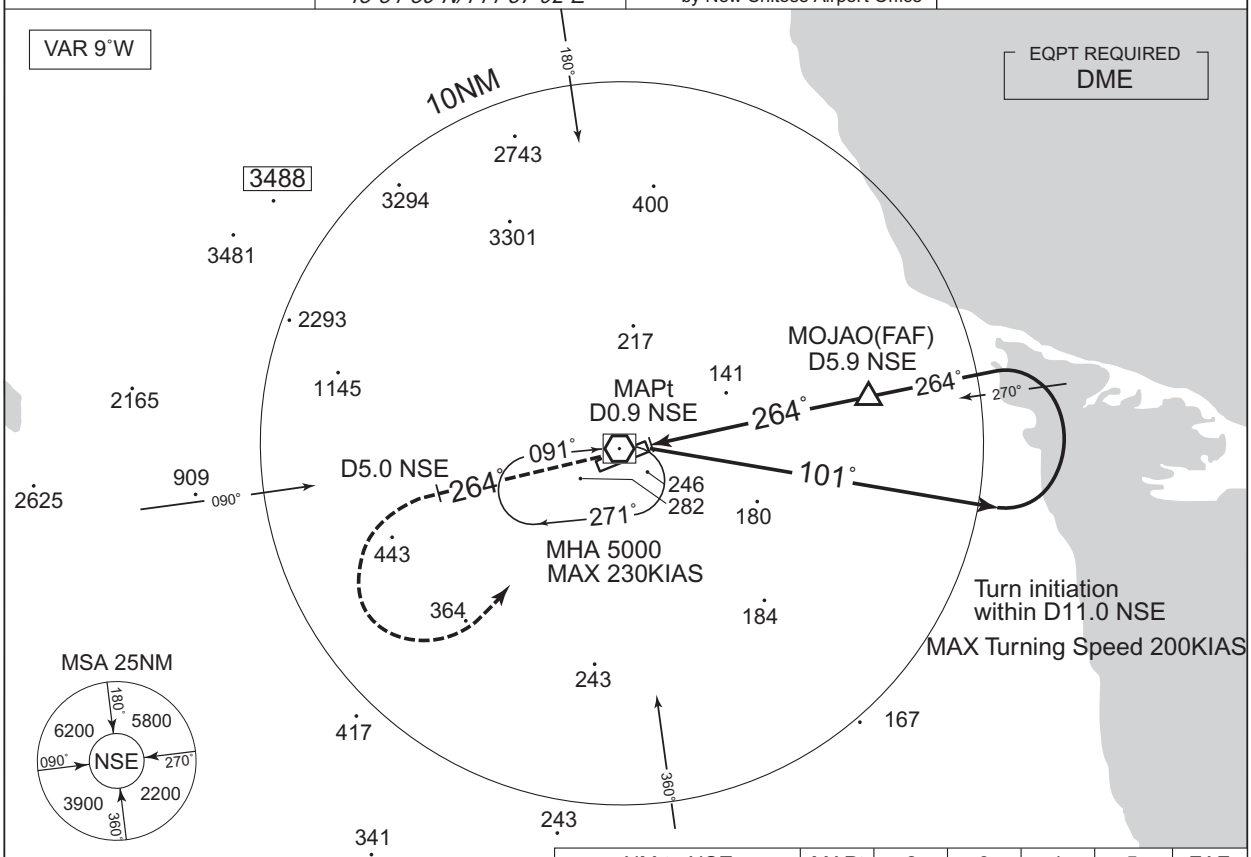
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	640 (426)	900	690 (476)	1600
B		1000		
C				2400
D	650 (436)	1400	770 (556)	3200

CHANGE : ATC call sign and FREQ. Description of RADAR Service. Missed APCH PROC.

INSTRUMENT APPROACH CHART

RJCN / NAKASHIBETSU VOR RWY26

HIDAKA APP	NAKASHIBETSU VOR/DME	NAKASHIBETSU RADIO	RADAR AVBL
128.325 - 246.1 - 134.55	111.45 NSE CH–51Y *43°34′39″N/144°57′02″E*	122.7 AFIS provided by New Chitose Airport Office	

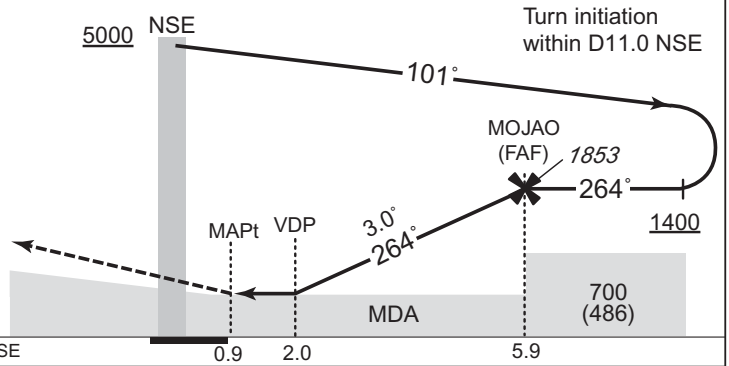


NM to NSE	MAPt	2	3	4	5	FAF
ALT (3.0° APCH Path)	–	602	920	1239	1557	1853

MISSED APPROACH

Climb via NSE R264 to NSE 5.0DME,
turn left, direct to NSE VOR/DME and
hold at 5000FT.
Contact HIDAKA APP.

Timing not authorized for defining the MAPt.



DME to NSE	0.9	2.0	5.9
NM to THR	0	1.0	5.0

MINIMA THR elev. 212 AD elev. 214

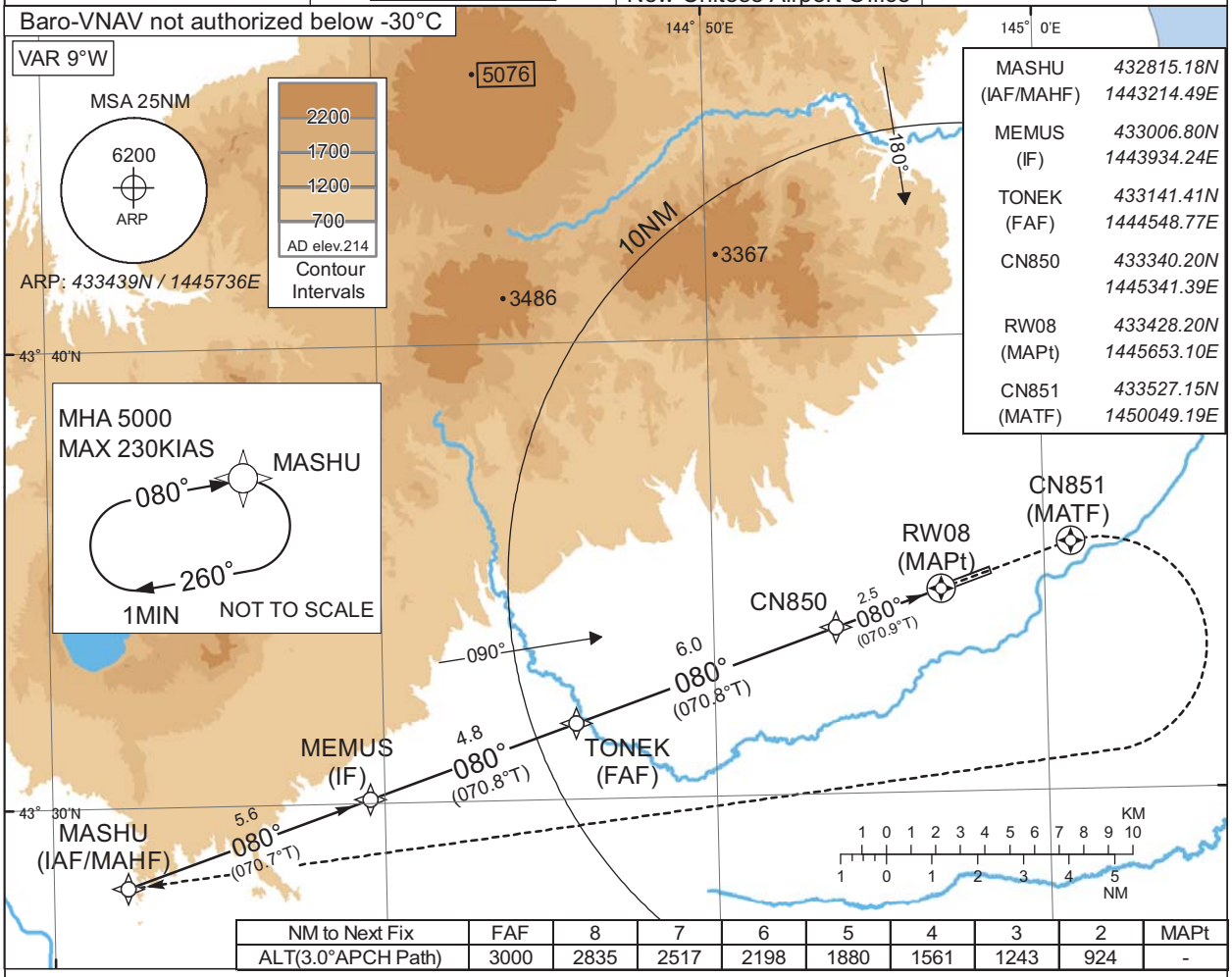
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	580 (366)	1200	690 (476)	1600
B		1300		
C		1400		2400
D		1600	770 (556)	3200

CHANGE : ATC call sign and FREQ. Description of RADAR Service. Missed APCH PROC.

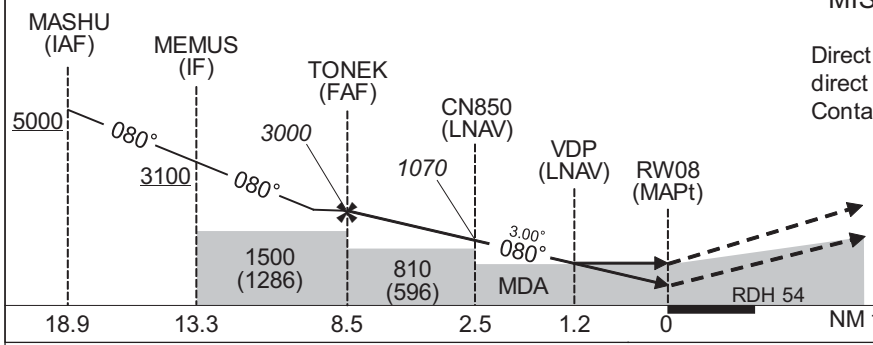
INSTRUMENT APPROACH CHART

RJCN / NAKASHIBETSU — RNP RWY08

HIDAKA APP	RNP APCH	NAKASHIBETSU RADIO	RADAR AVBL
128.325 - 246.1 - 134.55	MSAS CH59564 M08A	122.7 AFIS provided by New Chitose Airport Office	



NM to Next Fix	FAF	8	7	6	5	4	3	2	MAPt
ALT(3.0°APCH Path)	3000	2835	2517	2198	1880	1561	1243	924	-



MISSED APPROACH

Direct to CN851, turn right,
direct to MASHU and hold at 5000FT.
Contact HIDAKA APP.

CHANGE : MEMUS established. HAGEN abolished.

MINIMA	THR elev. 233		AD elev. 214					
CAT	LPV		LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/CMV	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	483(250)	800	640(407)	900	640(426)	900	690(476)	1600
B	493(260)			1000		1000		
C	503(270)							2400
D	513(280)	1200		1400		1400	770(556)	3200

RJCN / NAKASHIBETSU RNP RWY08

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+01021
SBAS service provider identifier	2	FPAP latitude	*433449.2600N*
Airport identifier	RJCN	FPAP longitude	*1445817.3505E*
Runway	08	Threshold crossing height	00016.5
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	M08A	⊿ length offset	0000
LTP/FTP latitude	*433428.1900N*	HAL	40.0
LTP/FTP longitude	*1445653.0495E*	VAL	50.0
CRC remainder	71C61926		

Required additional data

LTP/FTP orthometric height	70.6

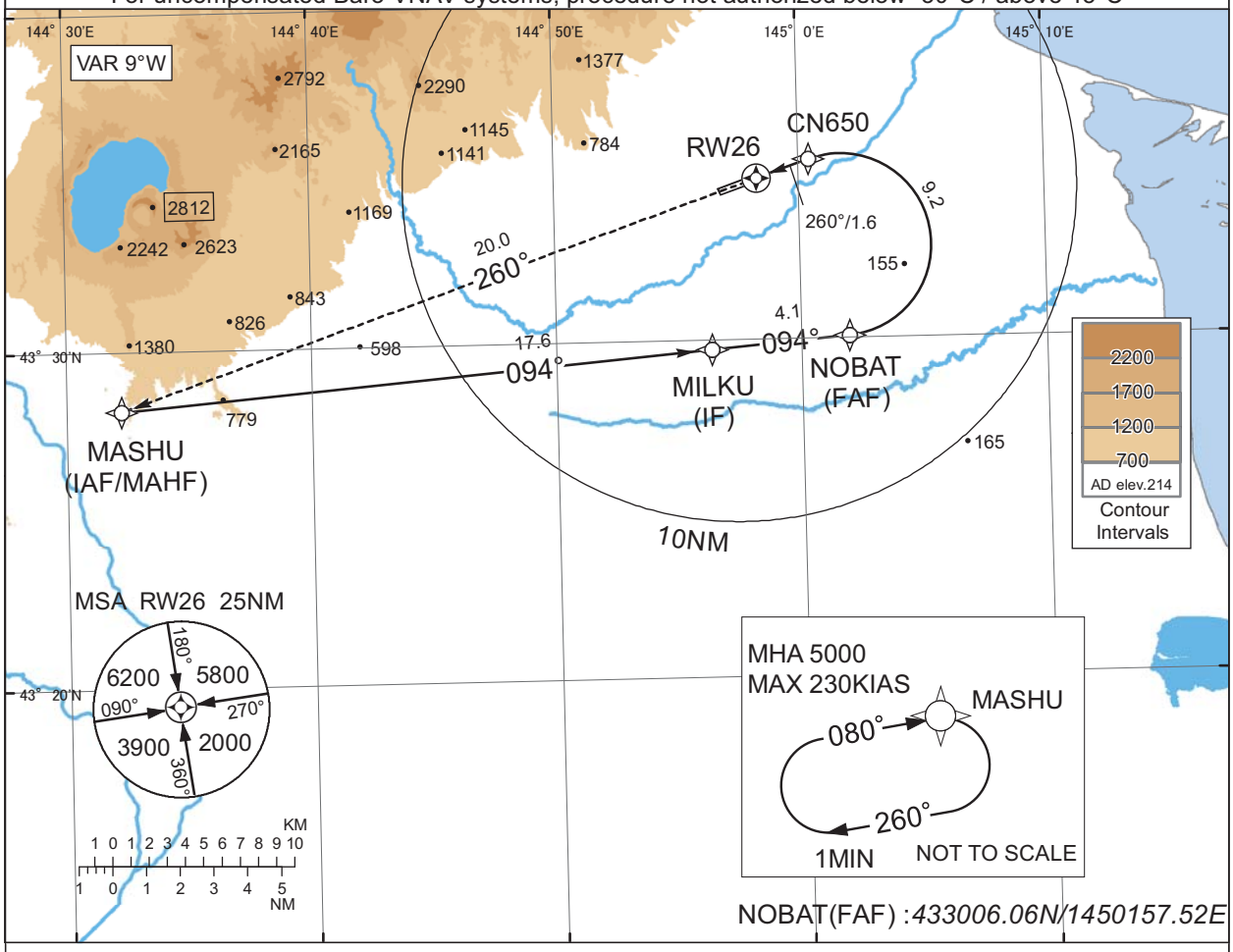
CHANGE : New PROC.

INSTRUMENT APPROACH CHART

RJCN / NAKASHIBETSU RNP Z RWY26(AR)

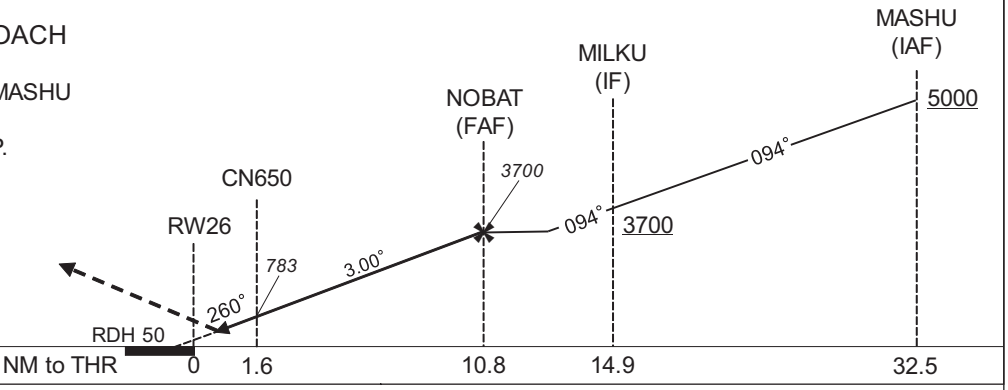
HIDAKA APP 128.325 - 246.1 - 134.55	RNP AR RF required	NAKASHIBETSU RADIO 122.7 AFIS provided by New Chitose Airport Office	RADAR AVBL

For uncompensated Baro-VNAV systems, procedure not authorized below -30°C / above 45°C



MISSED APPROACH

Climb to 5000FT, to MASHU
and hold.
Contact HIDAKA APP.



MINIMA	THR elev. 212	AD elev. 214
CAT	RNP 0.30	
	DA(H)	CMV
A	-	-
B		
C	512(300)	1400
D		1600

Authorization Required

CHANGE : NOBAT established. CN661 abolished.

INSTRUMENT APPROACH CHART

RJCN / NAKASHIBETSU RNP Z RWY26(AR)

CHANGE : NOBAT established. CN661 abolished.

Coding Table

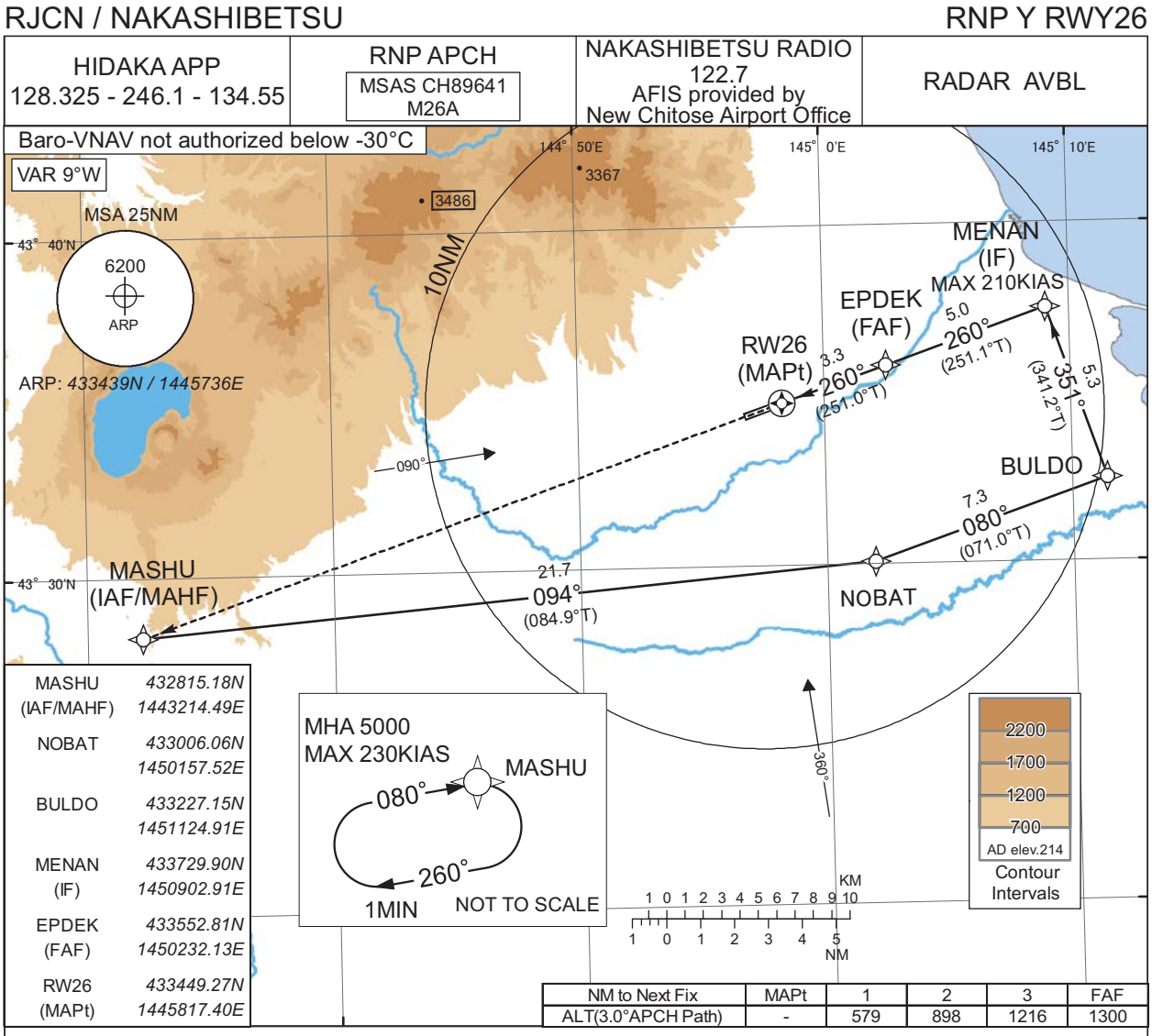
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	MASHU	-	-	-9.2	-	-	+5000	-	-	-
002	TF	MILKU	-	094 (084.9)	-9.2	17.6	-	+3700	-	-	1.0
003	TF	NOBAT	-	094 (085.2)	-9.2	4.1	-	3700	-	-	1.0
004	RF Center: CNRF2 r=2.70NM	CN650	-	-	-9.2	9.2	L	783	-	-3.00	0.3
005	TF	RW26	Y	260 (251.0)	-9.2	1.6	-	262	-	-3.00/50	0.3
006	TF	MASHU	-	260 (251.0)	-9.2	20.0	-	5000	-	-	1.0

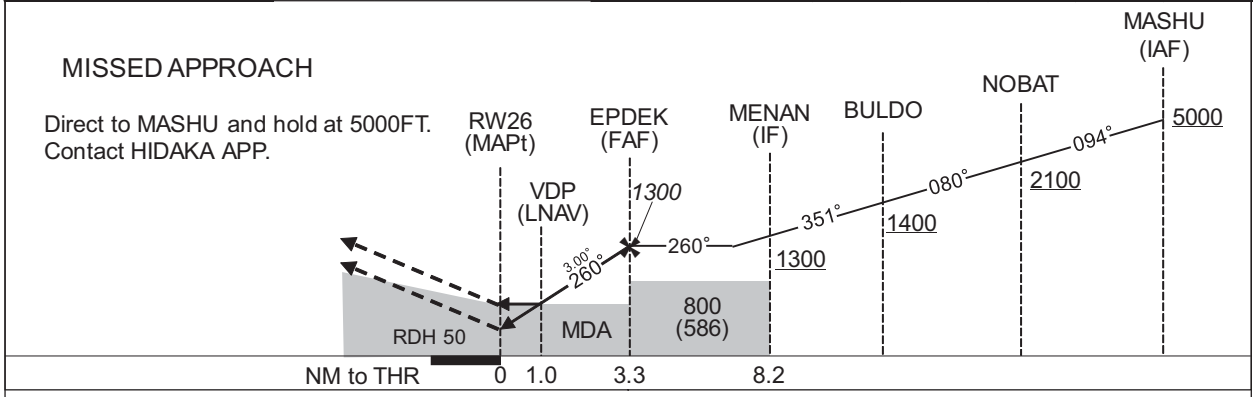
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value
Hold	MASHU	080 (070.4)	-9.2	1.0 (-14000)	R	5000	FL140	-230 (-14000)	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
MASHU	*432815.18N / 1443214.49E*	CNRF2	*433247.93N / 1450139.17E*
MILKU	*432945.72N / 1445620.67E*		
NOBAT	*433006.06N / 1450157.52E*		
CN650	*433521.30N / 1450025.71E*		
RW26	*433449.27N / 1445817.40E*		

INSTRUMENT APPROACH CHART





CHANGE : NOBAT established. CN661 abolished.

MINIMA	THR elev. 212		AD elev. 214					
CAT	LPV		LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	462(250)	1000	560(348)	1200	560(346)	1200	690(476)	1600
B		1100		1300		1300		
C		1200		1400		1400		2400
D		1400		1600		1600	770(556)	3200

INSTRUMENT APPROACH CHART

RJCN / NAKASHIBETSU RNP Y RWY26

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+00954
SBAS service provider identifier	2	FPAP latitude	*433428.1900N*
Airport identifier	RJCN	FPAP longitude	*1445653.0495E*
Runway	26	Threshold crossing height	00015.0
Approach performance designator	0	TCH units selector	1
Route indicator	Y	Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M26A	⊿ length offset	0000
LTP/FTP latitude	*433449.2600N*	HAL	40.0
LTP/FTP longitude	*1445817.3505E*	VAL	50.0
CRC remainder	12630585		

Required additional data

LTP/FTP orthometric height	63.9

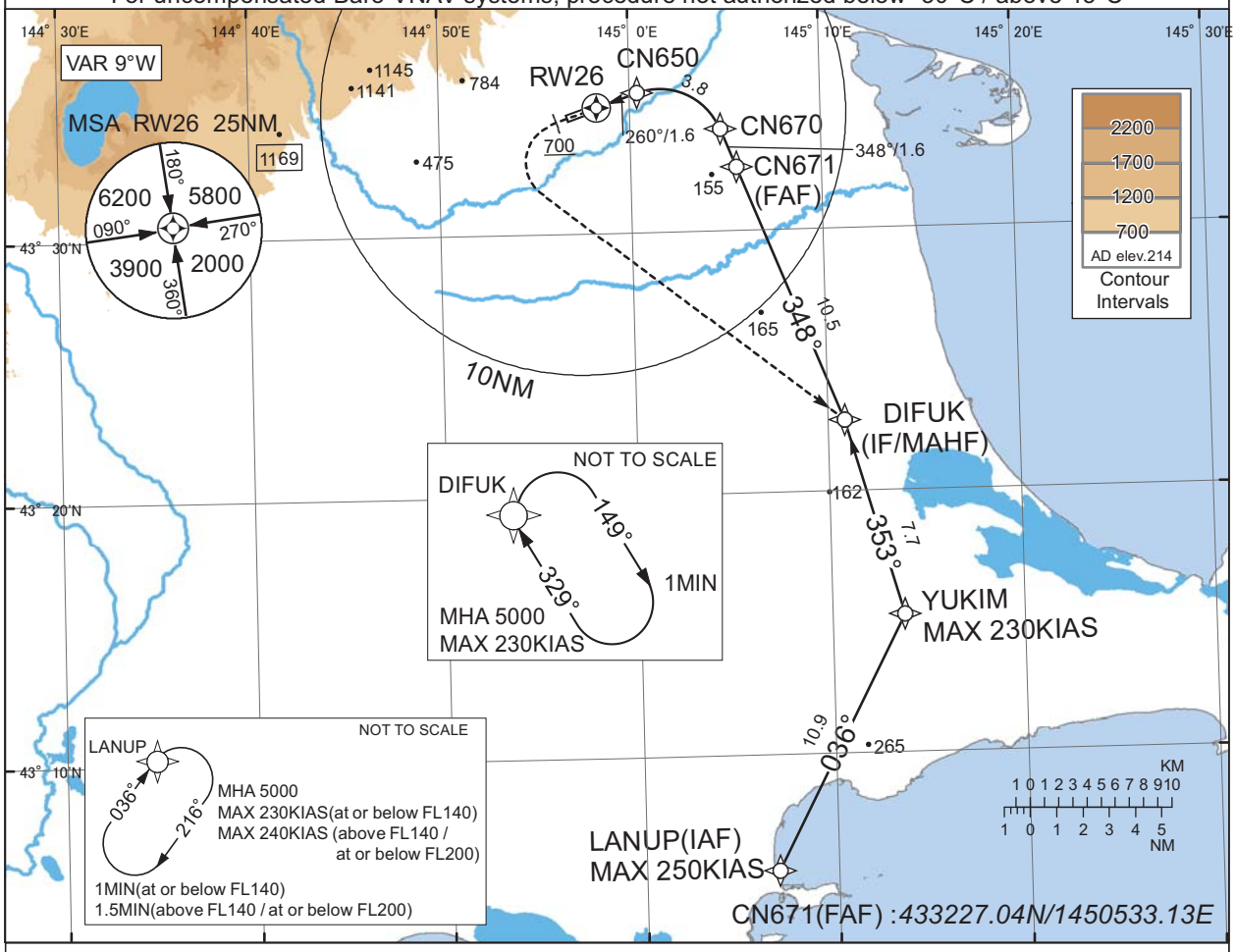
CHANGE : New PROC.

INSTRUMENT APPROACH CHART

RJCN / NAKASHIBETSU — RNP X RWY26(AR)

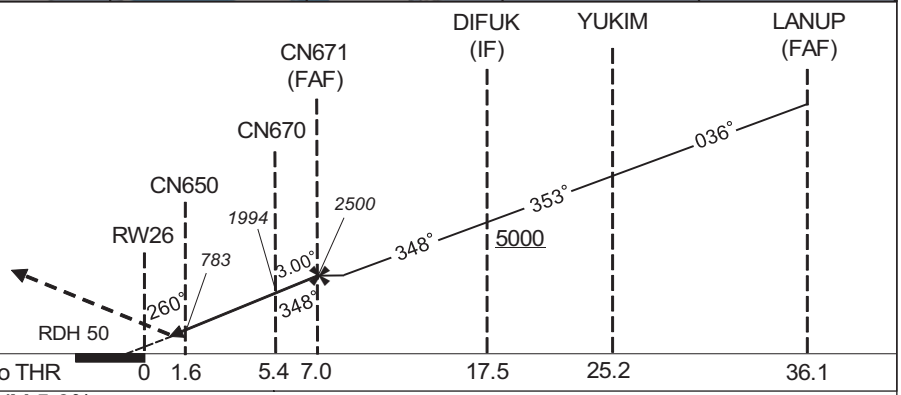
HIDAKA APP 128.325 - 246.1 - 134.55	RNP AR RF required	NAKASHIBETSU RADIO 122.7 AFIS provided by New Chitose Airport Office	RADAR AVBL

For uncompensated Baro-VNAV systems, procedure not authorized below -30°C / above 45°C



MISSED APPROACH

From RW26 on track 260 ° ,
at or above 700FT turn left,
direct to DIFUK and hold at
5000FT.
Contact HIDAKA APP.



Missed APCH climb gradient MNM 5.0%

MINIMA	THR elev. 212	AD elev. 214
CAT	RNP 0.30	
	DA(H)	CMV
A	-	-
B		
C	512(300)	1400
D		1600

MINIMA with Missed APCH climb gradient of 2.5% are not established.

Authorization Required

CHANGE : LANUP established. OMOTI abolished.

INSTRUMENT APPROACH CHART

RJCN / NAKASHIBETSU RNP X RWY26(AR)

CHANGE : LANUP established. OMOTI abolished.

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	LANUP	-	-	-9.2	-	-	+5000	-250	-	-
002	TF	YUKIM	-	036 (027.2)	-9.2	10.9	-	+5000	-230	-	1.0
003	TF	DIFUK	-	353 (344.3)	-9.2	7.7	-	+5000	-	-	1.0
004	TF	CN671	-	348 (338.4)	-9.2	10.5	-	2500	-	-	1.0
005	TF	CN670	-	348 (338.3)	-9.2	1.6	-	1994	-	-3.00	0.3
006	RF Center: CNRF1 r=2.50NM	CN650	-	-	-9.2	3.8	L	783	-	-3.00	0.3
007	TF	RW26	Y	260 (251.0)	-9.2	1.6	-	262	-	-3.00/50	0.3
008	FA	-	-	260 (251.0)	-9.2	-	-	+700	-	-	1.0
009	DF	DIFUK	-	-	-9.2	-	L	5000	-	-	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	DIFUK	329 (320.0)	-9.2	1.0 (-14000)	R	5000	FL140	-230(-14000)	1.0
Hold	LANUP	036 (027.1)	-9.2	1.0 (-14000) 1.5 (-20000)	R	5000	FL200	-230(-14000) -240(-20000)	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
LANUP	*430535.54N / 1450655.47E*	CNRF1	*433259.00N / 1450132.84E*
YUKIM	*431516.17N / 1451345.84E*		
DIFUK	*432242.79N / 1451052.79E*		
CN671	*433227.04N / 1450533.13E*		
CN670	*433354.84N / 1450444.93E*		
CN650	*433521.30N / 1450025.71E*		
RW26	*433449.27N / 1445817.40E*		

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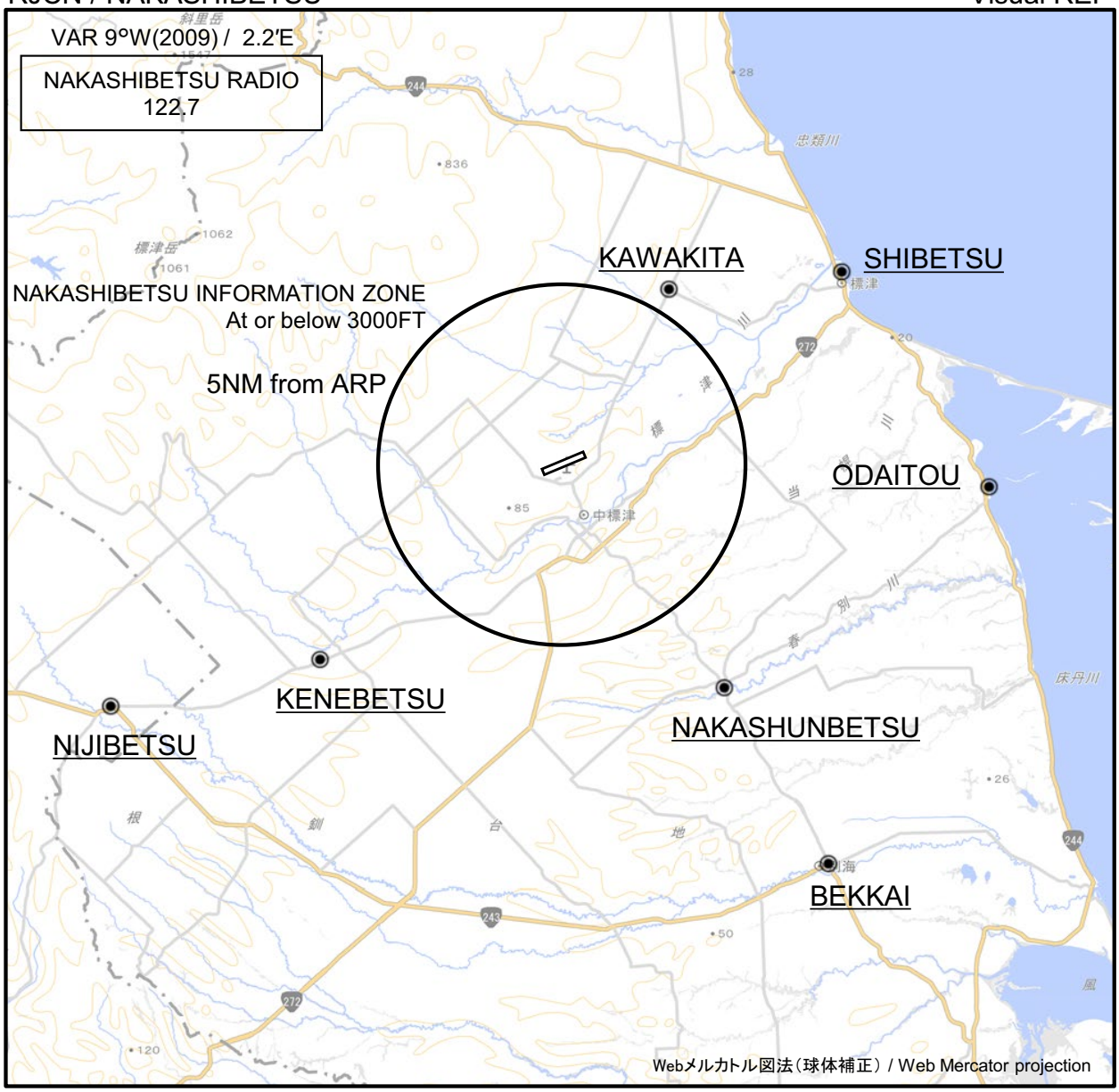
Visual REP

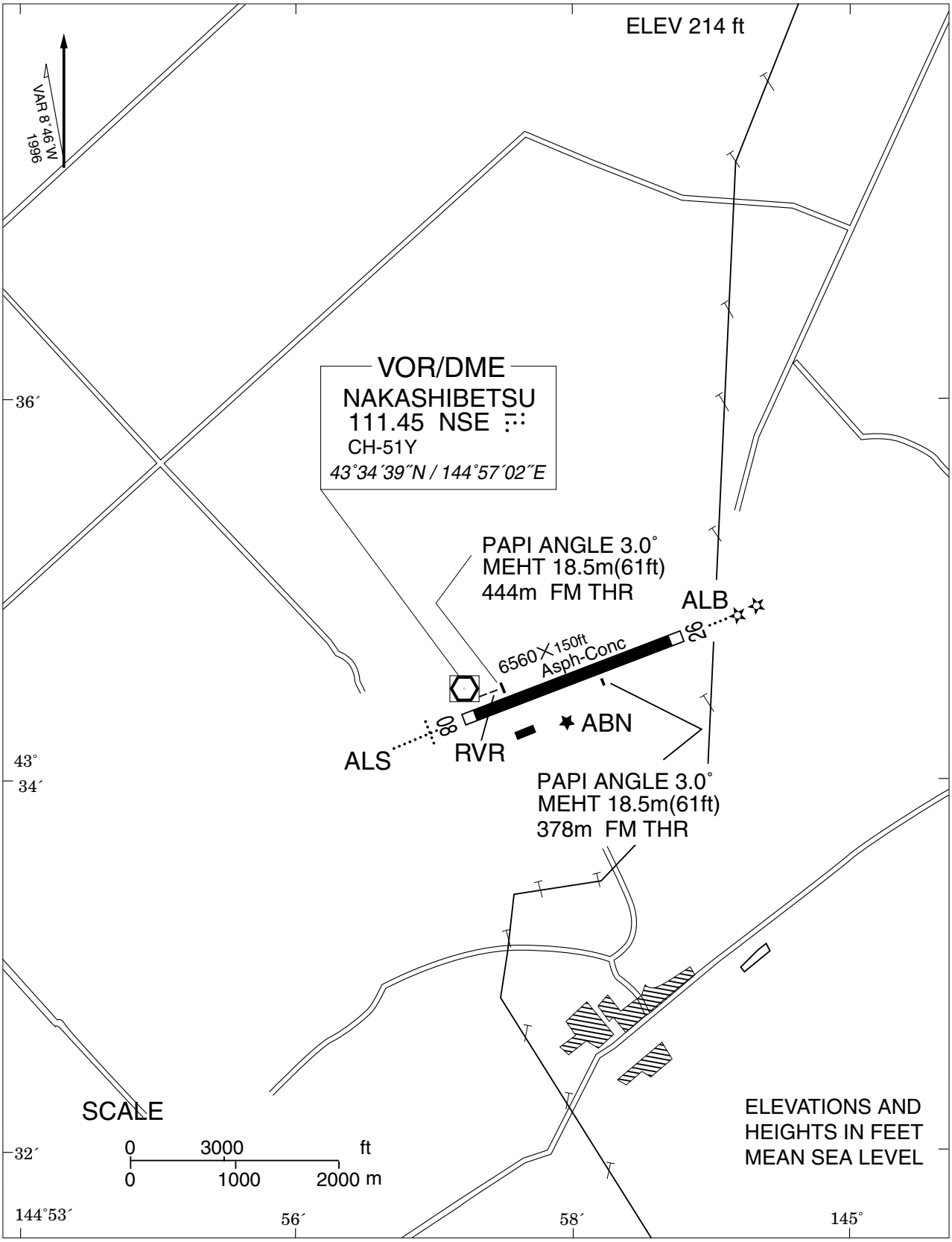


※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

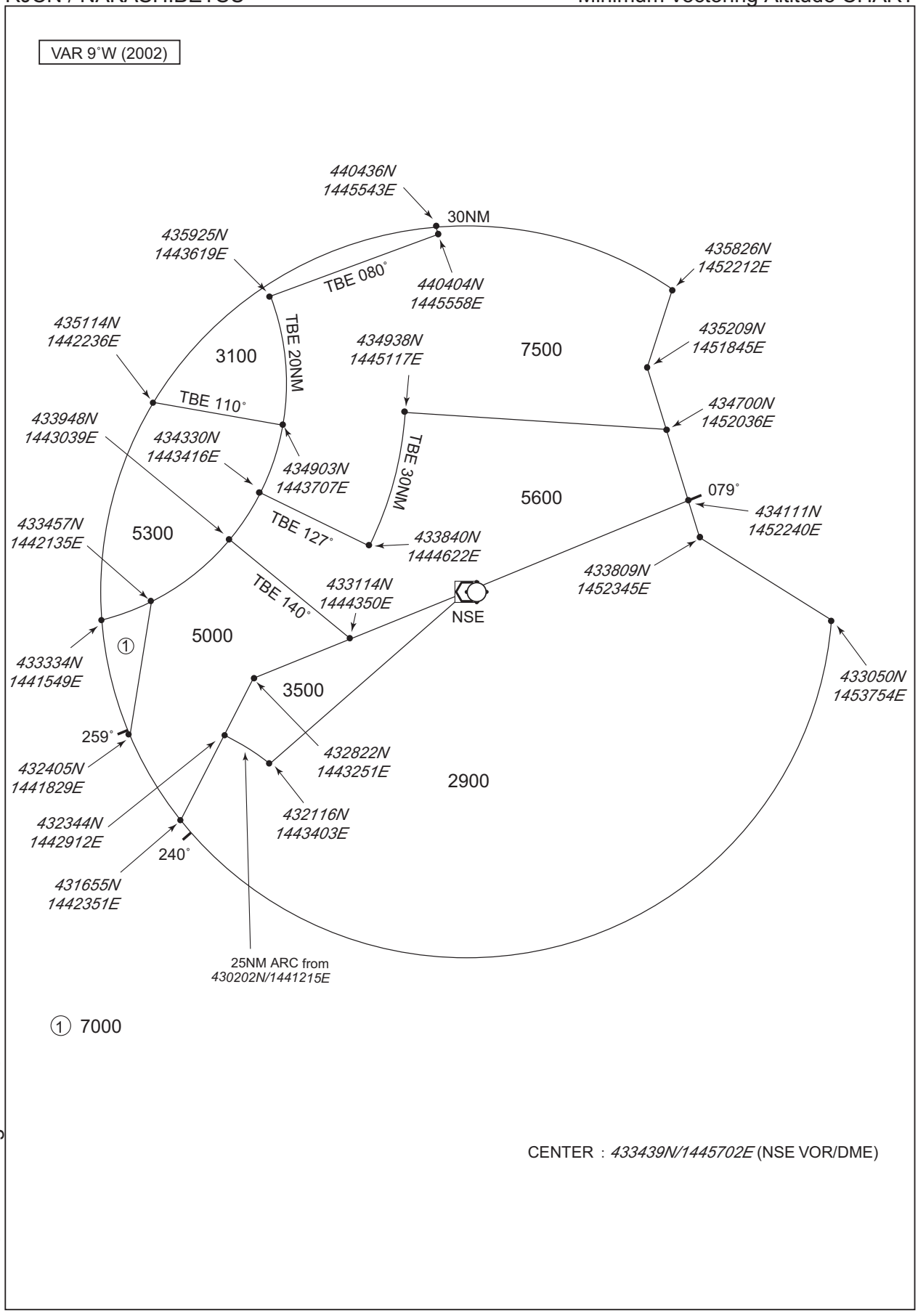
CHANGE : Call sign(REMOTE→RADIO).

Call sign	BRG / DIST from ARP	Remarks
標津 Shibetsu	055°T / 9.1NM	標津港 Harbor
川北 Kawakita	030°T / 5.6NM	市街地 Town
尾岱沼 Odaitou	093°T / 11.5NM	尾岱沼港 Harbor
計根別 Kenebetsu	231°T / 8.5NM	市街地 Town
中春別 Nakashunbetsu	145°T / 7.5NM	市街地 Town
虹別 Nijibetsu	242°T / 13.9NM	市街地 Town
別海 Bekkai	147°T / 13.1NM	市街地 Town

RJCN / NAKASHIBETSU LDG CHART



RJCN / NAKASHIBETSU Minimum Vectoring Altitude CHART



CHANGE : Bearing FM KSE deleted.