

STANDARD DEPARTURE CHART -INSTRUMENT

RJCM / MEMANBETSU

SID

KUSHIRO THREE DEPARTURE

RWY 18 : Climb via TBE R187/KSE R007 to KSE VOR/DME.

RWY 36 : Climb RWY HDG to 800FT, turn right HDG 217° to intercept and proceed via TBE R187/KSE R007 to KSE VOR/DME.

Note RWY18 : 3.9% climb gradient required up to 4500FT.

OBST ALT 3281FT located at 17.0NM 179° FM end of RWY18.



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EATAK THREE DEPARTURE

RWY 18 : Climb RWY HDG to 800FT, turn right climb via TBE R220/OBE R039 to EATAK....

RWY 36 : Climb RWY HDG to 1000FT, turn left HDG 175° to intercept and proceed via  
TBE R220/OBE R039 to EATAK....

....Cross EATAK at or above 6000FT.

Note RWY36 : 3.9% climb gradient required up to 2000FT.

OBST ALT 1181FT located at 4.5NM 290° FM end of RWY36.



STANDARD DEPARTURE CHART-INSTRUMENT

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MEMANBETSU REVERSAL THREE DEPARTURE

RWY 18 : Climb via TBE R187 to TBE 5.0DME, turn left....

RWY 36 : Climb via TBE R001 to TBE 5.0DME, turn right,....

....Proceed to TBE VOR/DME. Cross TBE VOR/DME at or above 4000FT.



## STANDARD DEPARTURE CHART-INSTRUMENT

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RNAV SID

## SHIBARE ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 9° W(2016)

## SHIBARE ONE DEPARTURE



## SHIBARE ONE DEPARTURE

RWY18: Climb on HDG184° at or above 600FT, turn right direct to NICOL at or above 7000FT, to NOTAK at or above 9000FT.

RWY36: Climb on HDG004° at or above 600FT, turn left direct to NICOL at or above 7000FT, to NOTAK at or above 9000FT.

Note RWY36 : 5.0% climb gradient required up to 600FT.

OBST ALT 1181FT located at 6.3NM 312° FM end of RWY36.

## RWY18

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	—	—	184 (174.7)	-9.2	—	—	+600	—	—	Basic RNP1
002	DF	NICOL	—	—	-9.2	—	R	+7000	—	—	Basic RNP1
003	TF	NOTAK	—	231 (222.1)	-9.2	45.3	—	+9000	—	—	Basic RNP1

## RWY36

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	—	—	004 (354.7)	-9.2	—	—	+600	—	—	Basic RNP1
002	DF	NICOL	—	—	-9.2	—	L	+7000	—	—	Basic RNP1
003	TF	NOTAK	—	231 (222.1)	-9.2	45.3	—	+9000	—	—	Basic RNP1

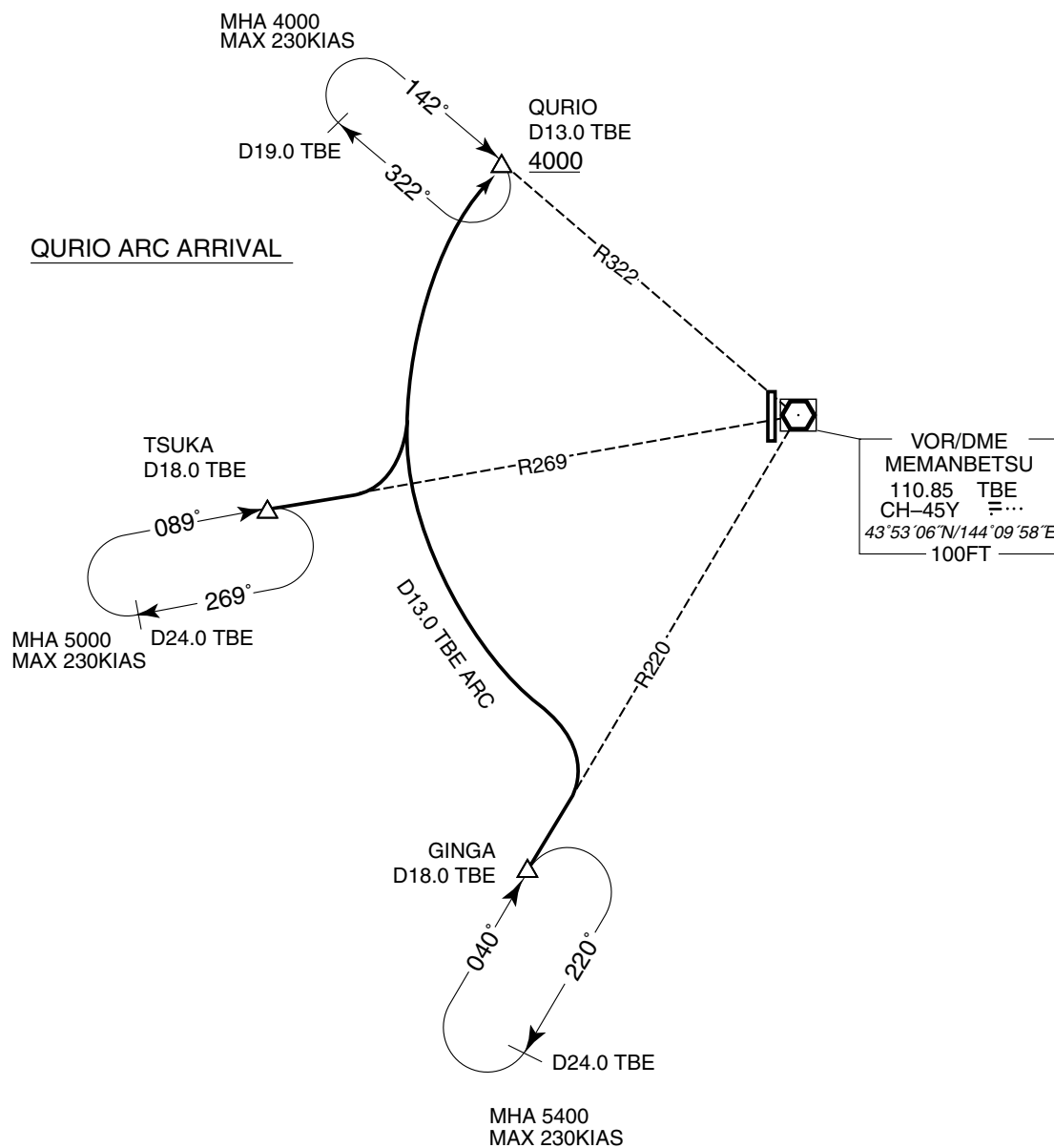
STANDARD ARRIVAL CHART-INSTRUMENT

RJCM / MEMANBETSU

STAR

QURIO ARC ARRIVAL

From over GINGA or TSUKA, turn left via TBE 13.0DME clockwise ARC to QURIO.  
Cross QURIO at or above 4000FT.



## INSTRUMENT APPROACH CHART

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ILS Z or LOC Z RWY18



## INSTRUMENT APPROACH CHART

RJCM / MEMANBETSU

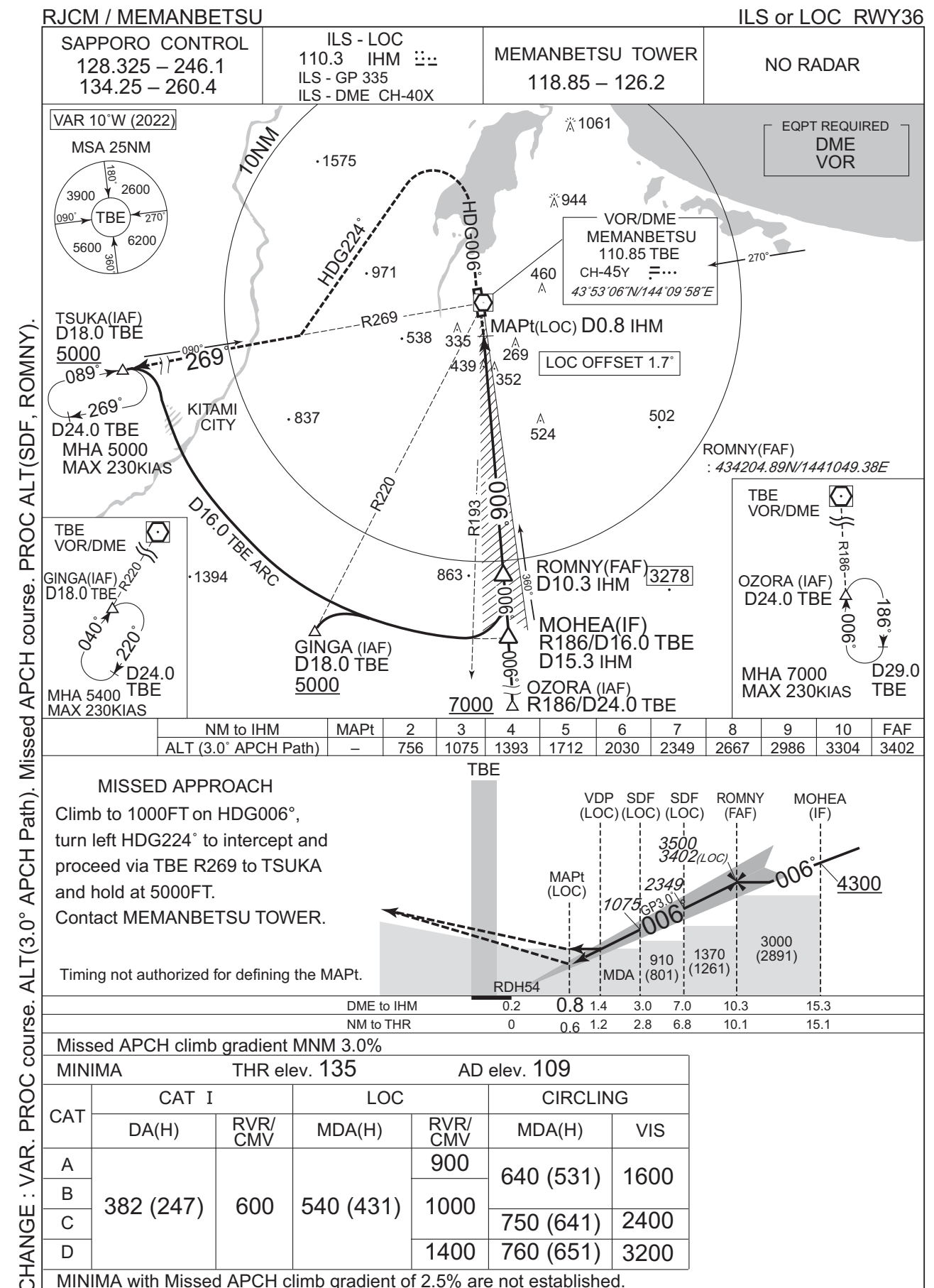
ILS Y or LOC Y RWY18



MINIMA		THR elev. 102		AD elev. 109		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	302 (200)	550	450 (341)	900	640 (531)	1600
B				1000		
C					750 (641)	2400
D					1400	760 (651)



## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

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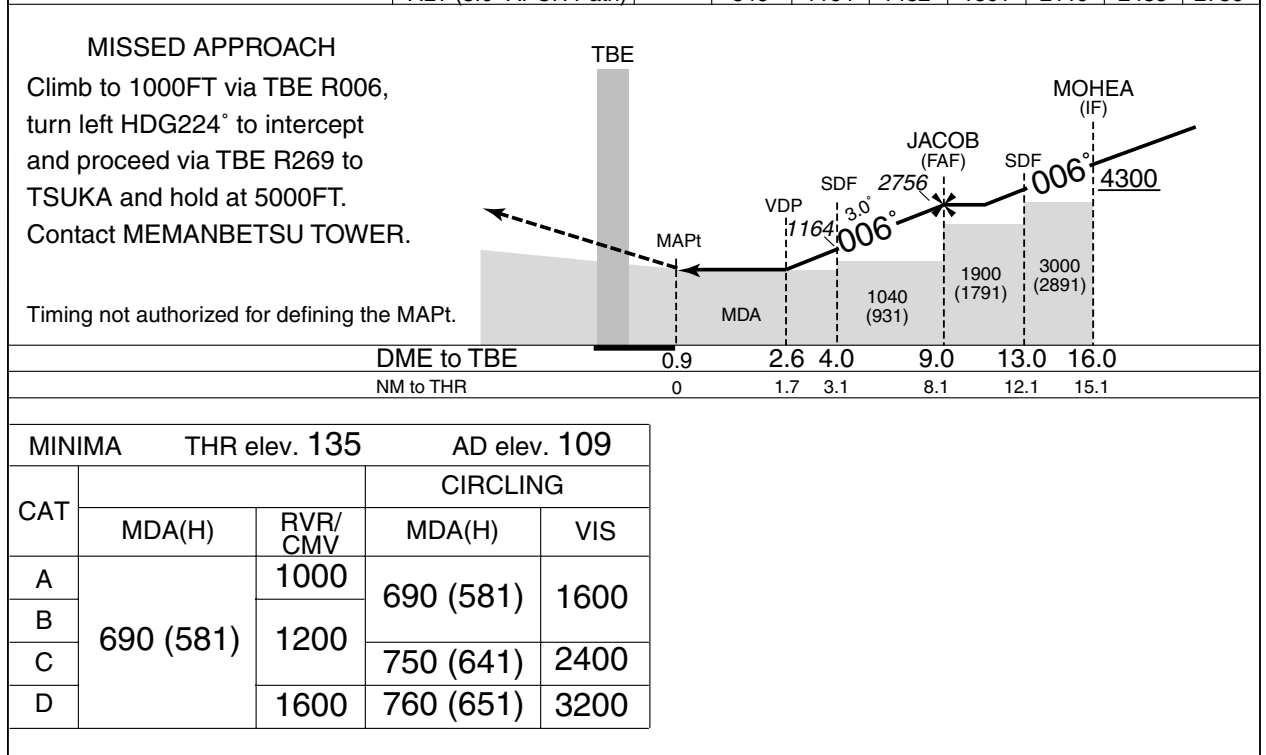
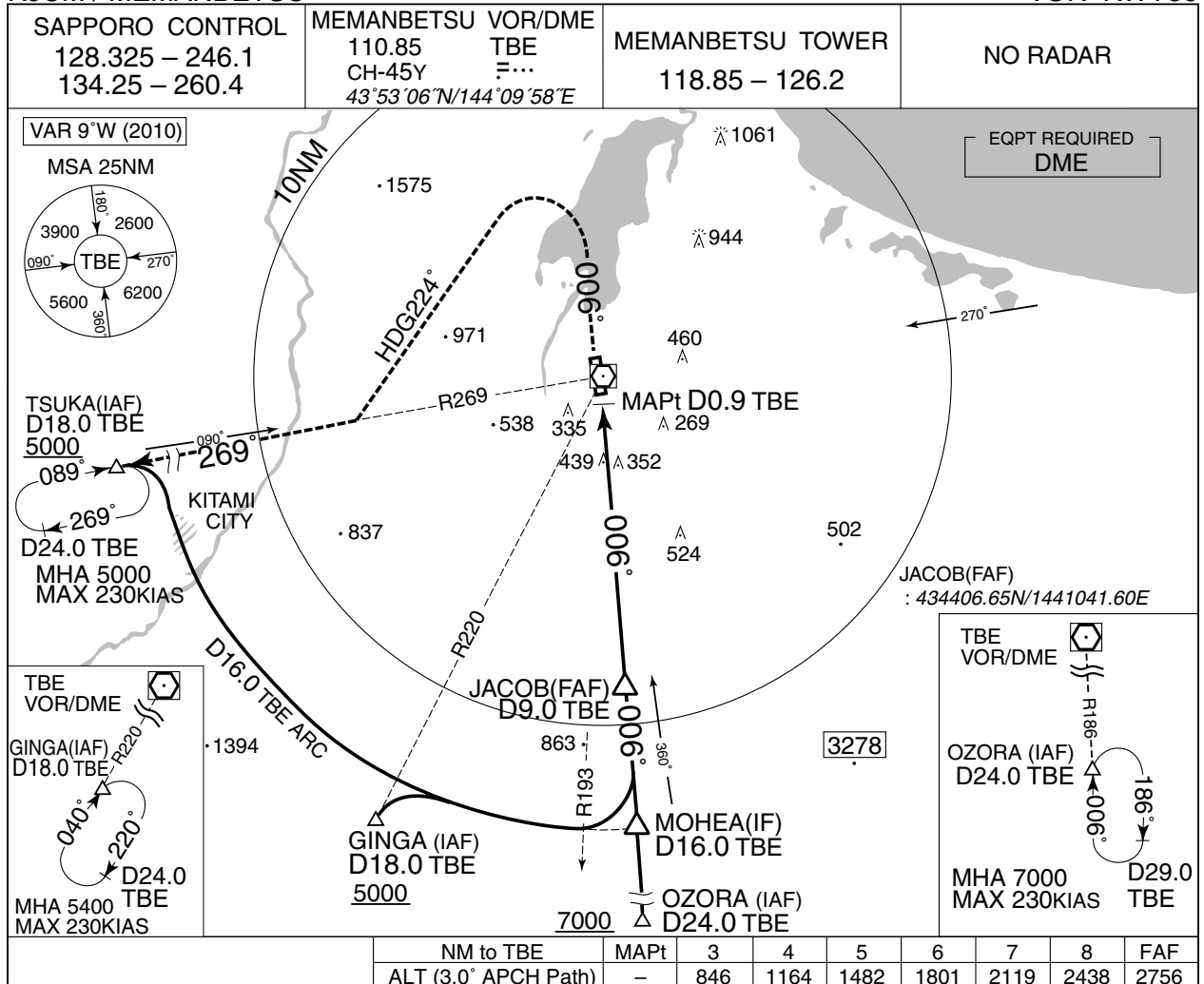
VOR RWY18



INSTRUMENT APPROACH CHART

RJCM / MEMANBETSU

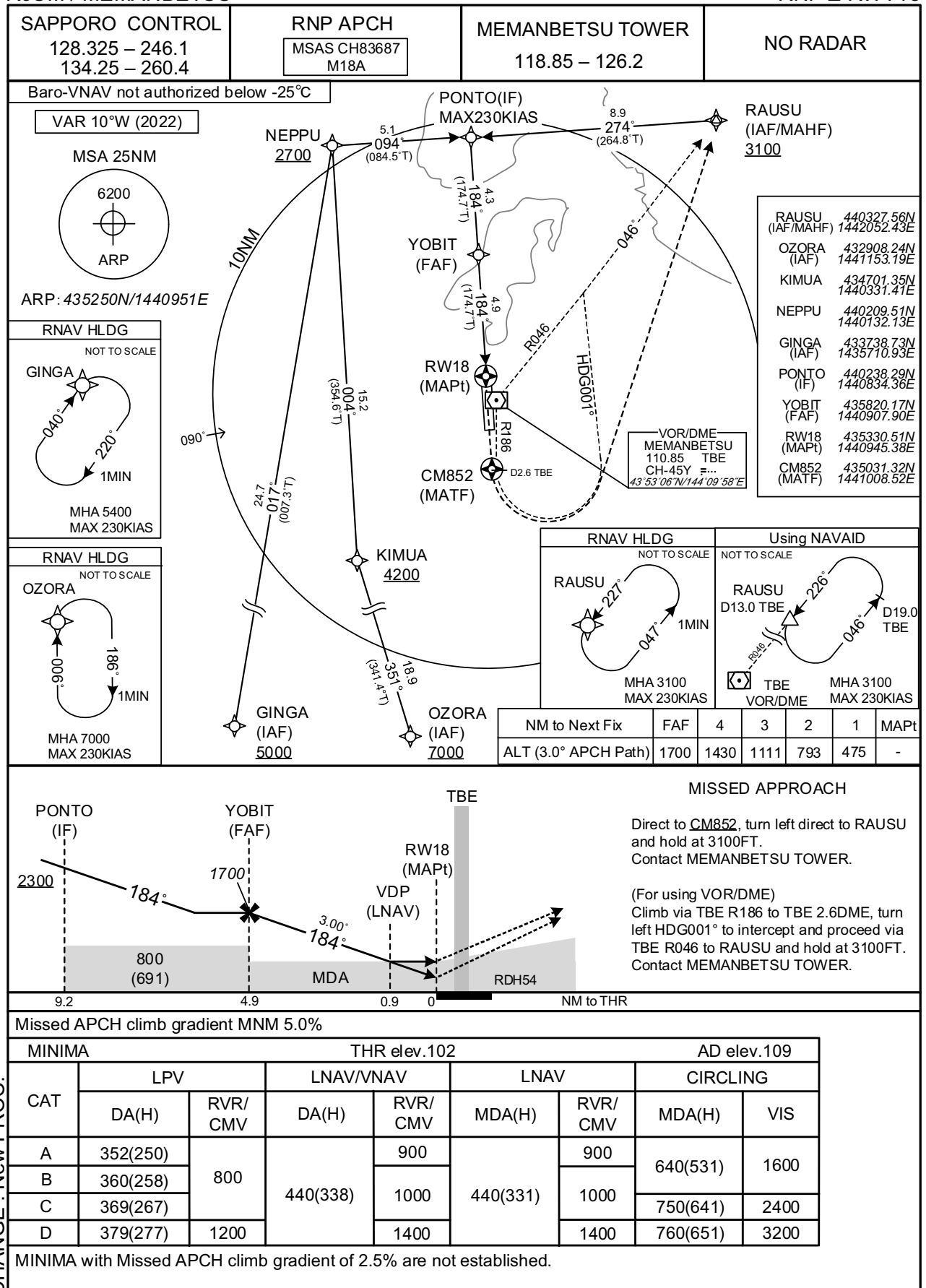
VOR RWY36



INSTRUMENT APPROACH CHART

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RNP Z RWY18



## INSTRUMENT APPROACH CHART

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RNP Z RWY18

**FAS DATA BLOCK**

Operation type	0	LTP/FTP ellipsoidal height	+00618
SBAS service provider identifier	2	FPAP latitude	435209.8350N
Airport identifier	RJCM	FPAP longitude	1440955.7670E
Runway	18	Threshold crossing height	00016.5
Approach performance designator	0	TCH units selector	1
Route indicator	Z	Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M18A	∠ length offset	0000
LTP/FTP latitude	435330.4920N	HAL	40.0
LTP/FTP longitude	1440945.3395E	VAL	50.0
CRC remainder	257C1F8B		

**Required additional data**

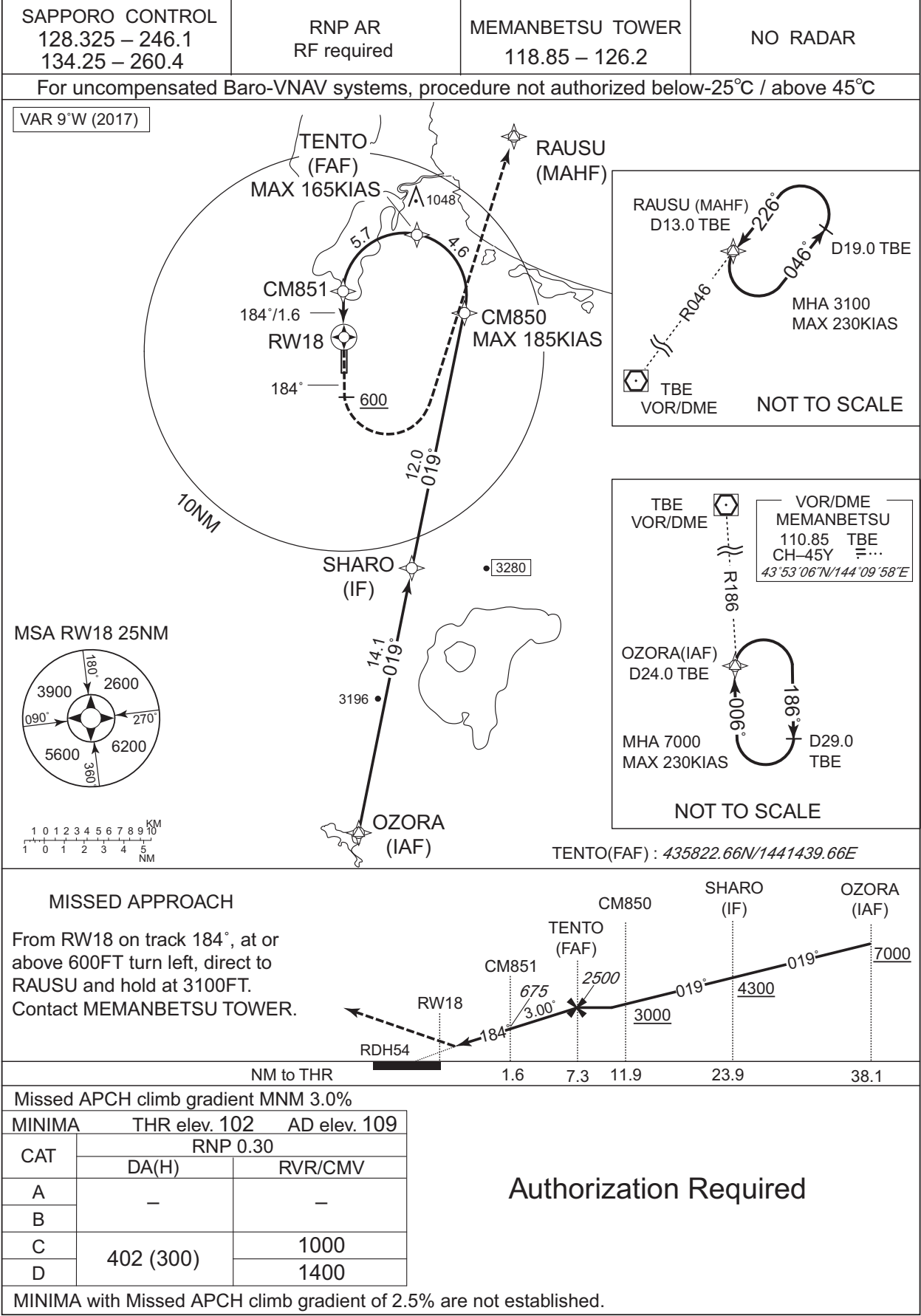
LTP/FTP orthometric height	31.0
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CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

INSTRUMENT APPROACH CHART

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RNP Y RWY18(AR)



CHANGE : PROC renamed.

## INSTRUMENT APPROACH CHART

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RNP Y RWY18(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	OZORA	—	—	-9.2	—	—	+7000	—	—	—
002	TF	SHARO	—	019 (009.5)	-9.2	14.1	—	+4300	—	—	1.0
003	TF	CM850	—	019 (009.6)	-9.2	12.0	—	+3000	-185	—	1.0
004	RF Center: CMRF1 r=3.04	TENTO	—	—	-9.2	4.6	L	2500	-165	—	1.0
005	RF Center: CMRF1 r=3.04	CM851	—	—	-9.2	5.7	L	675	—	-3.00	0.3
006	TF	RW18	Y	184 (174.7)	-9.2	1.6	—	156	—	-3.00/54	0.3
007	FA	—	—	184 (174.7)	-9.2	—	—	+600	—	—	1.0
008	DF	RAUSU	—	—	-9.2	—	L	3100	—	—	1.0

Waypoint Coordinates

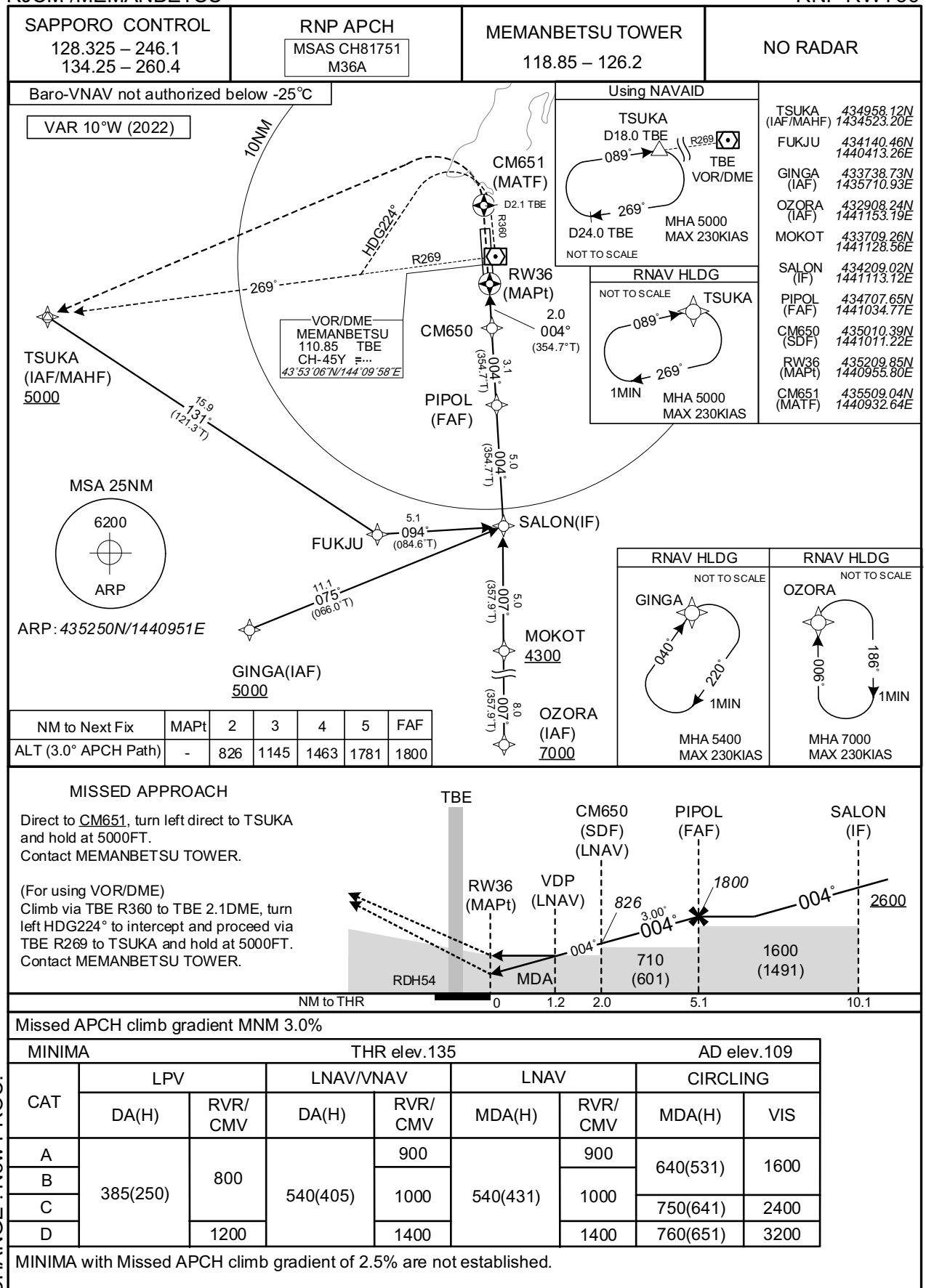
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
OZORA	432908.24N / 1441153.19E	CMRF1	435524.66N / 1441344.15E
SHARO	434301.91N / 1441506.66E		
CM850	435454.27N / 1441753.05E		
TENTO	435822.66N / 1441439.66E		
CM851	435507.75N / 1440932.81E		
RW18	435330.51N / 1440945.38E		
RAUSU	440327.56N / 1442052.43E		

CHANGE:PROC renamed.

INSTRUMENT APPROACH CHART

RJCM /MEMANBETSU

RNP RWY36



CHANGE : New PROC.



## INSTRUMENT APPROACH CHART

RJCM / MEMANBETSU

RNP RWY36

**FAS DATA BLOCK**

Operation type	0	LTP/FTP ellipsoidal height	+00719
SBAS service provider identifier	2	FPAP latitude	435330.4920N
Airport identifier	RJCM	FPAP longitude	1440945.3395E
Runway	36	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	M36A	∠ length offset	0000
LTP/FTP latitude	435209.8350N	HAL	40.0
LTP/FTP longitude	1440955.7670E	VAL	50.0
CRC remainder	28C6AB24		

**Required additional data**

LTP/FTP orthometric height	41.1
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CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

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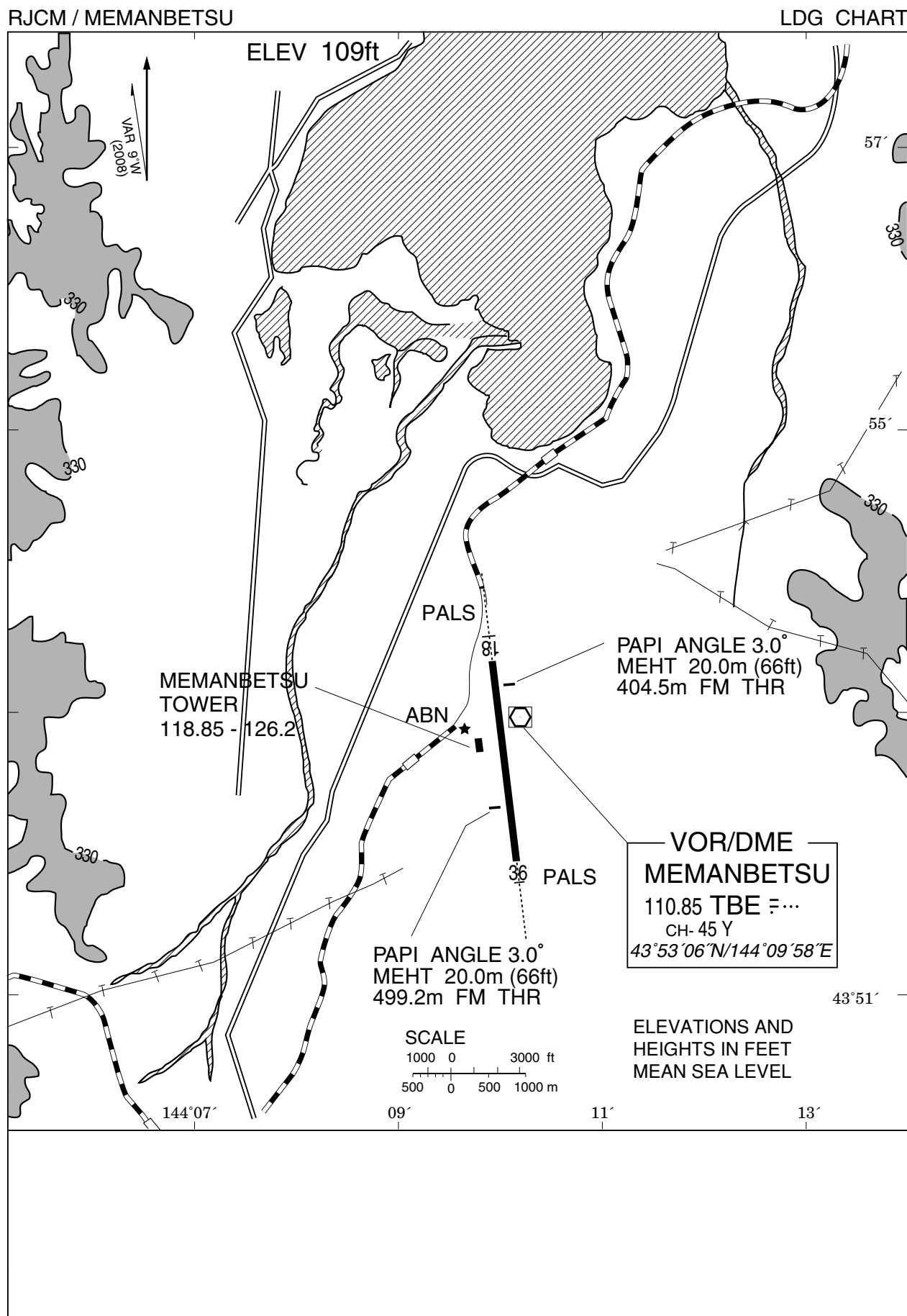
Visual REP



※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 : Map updated. BRG/DIST from ARP.

Call sign	BRG / DIST from ARP	Remarks
網走 Abashiri	025°T / 9.2NM	JR駅 Station
湧湖 Tofutsuko	074°T / 10.5NM	湖 Lake
小清水 Koshimizu	097°T / 13.3NM	学校 School
東藻琴 Higashimokoto	110°T / 6.1NM	市街地 Town
美幌峠 Bihoro Toge	165°T / 14.4NM	峠 Pass
津別 Tsubetsu	210°T / 12.2NM	市街地 Town
美幌ステーション Bihoro Station	223°T / 3.7NM	JR駅 Station
北見 Kitami	248°T / 12.4NM	JR駅 Station
浜佐呂間 Hamasaroma	321°T / 15.5NM	佐呂間大橋 Bridge



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Minimum Vectoring Altitude CHART

