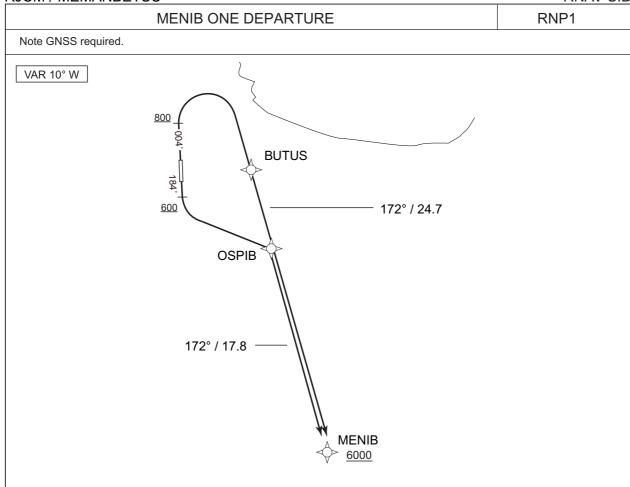


RJCM / MEMANBETSU

RNAV SID



RWY18: Climb on HDG184° at or above 600FT, turn left direct to OSPIB, to MENIB at or above 6000FT. RWY36: Climb on HDG004° at or above 800FT, turn right direct to BUTUS, to MENIB at or above 6000FT.

Note RWY18: 5.0% climb gradient required up to 2300FT.

OBST ALT 3314FT located at 12.2NM 153° FM end of RWY18.

RWY18

Serial Number	Path Descriptor	Waypoint Identifier			Magnetic Variation					I	Navigation Specification
001	VA	ı	١	184 (174.7)	-9.6	_	_	+600	ı	_	RNP1
002	DF	OSPIB	١	_	-9.6	_	L	_	ı	_	RNP1
003	TF	MENIB	_	172 (162.3)	-9.6	17.8	_	+6000	_	_	RNP1

RWY36

Serial Number D		Waypoint Identifier	• 1	Course °M(°T)	Magnetic Variation		Turn Direction		•		Navigation Specification
001	VA	_	_	004 (354.7)	-9.6	_	_	+800	_	_	RNP1
002	DF	BUTUS	-	_	-9.6	_	R	-	_	_	RNP1
003	TF	MENIB	-	172 (162.3)	-9.6	24.7	_	+6000	_	_	RNP1

RJCM / MEMANBETSU

RNAV SID

Waypoint Identifier	Coordinates
OSPIB	434628.5N / 1442055.9E
BUTUS	435301.9N / 1441802.1E
MENIB	432929.4N / 1442822.9E

CHANGE: Description of latitude and longitude.

RNAV SID and TRANSITION RJCM / MEMANBETSU NICOL ONE DEPARTURE RNP1 OLSIM TRANSITION / OLDUS TRANSITION Note GNSS required. VAR 10° W NICOL ONE DEPARTURE 600 600 **OLSIM TRANSITION** NICOL 16.5 7000 **OLSIM** 10000 **OLDUS TRANSITION OLDUS** 10000

NICOL ONE DEPARTURE

RWY18: Climb on HDG184° at or above 600FT, turn right direct to NICOL at or above 7000FT. RWY36: Climb on HDG004° at or above 600FT, turn left direct to NICOL at or above 7000FT.

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

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

OLSIM TRANSITION

From NICOL at or above 7000FT, to OLSIM at or above 10000FT.

OLDUS TRANSITION

From NICOL at or above 7000FT, to OLDUS at or above 10000FT.

RJCM / MEMANBETSU

RNAV SID and TRANSITION

NICOL ONE DEPARTURE

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)	-9.6	-	-	+600	-	-	RNP1
002	DF	NICOL	-	-	-9.6	-	R	+7000	-	-	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	-	1	004 (354.7)	-9.6	-	ı	+600	1	-	RNP1
002	DF	NICOL	-	-	-9.6	-	L	+7000	-	-	RNP1

OLSIM 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	NICOL	-	-	-9.6	-	-	+7000	-	-	RNP1
ĺ	002	TF	OLSIM	-	257 (247.6)	-9.6	16.5	-	+10000	-	-	RNP1

OLDUS 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	NICOL	-	-	-9.6	-	-	+7000	-	-	RNP1
002	TF	OLDUS	-	232 (222.9)	-9.6	16.5	-	+10000	-	-	RNP1

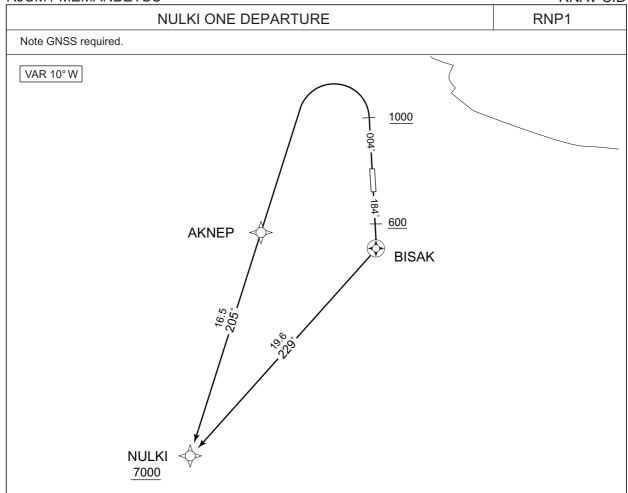
Waypoint Coordinates

Waypoint Identifier	Coordinates
NICOL	433912.0N / 1434158.7E
OLSIM	433251.7N / 1432055.3E
OLDUS	432703.7N / 1432629.1E

CHANGE: Waypoint Coordinates added.

RJCM / MEMANBETSU

RNAV SID



RWY18: Climb on HDG184° at or above 600FT, direct to BISAK, to NULKI at or above 7000FT.

RWY36: Climb on HDG004° at or above 1000FT, turn left direct to AKNEP, to NULKI at or above 7000FT.

Note RWY36: 3.9% climb gradient required up to 1500FT.

OBST ALT 1673FT located at 8.2NM 320° FM end of RWY36.

RWY18

Ι'		'										
ш	Serial Number	Path Descriptor	Waypoint Identifier			Magnetic Variation		Turn Direction		•		Navigation Specification
ľ	001	VA	_	_	184 (174.7)	-9.6	_	_	+600	_	_	RNP1
	002	DF	BISAK	Υ	_	-9.6	_	_	-	_	_	RNP1
	003	TF	NULKI	_	229 (219.6)	-9.6	19.6	_	+7000	_	_	RNP1

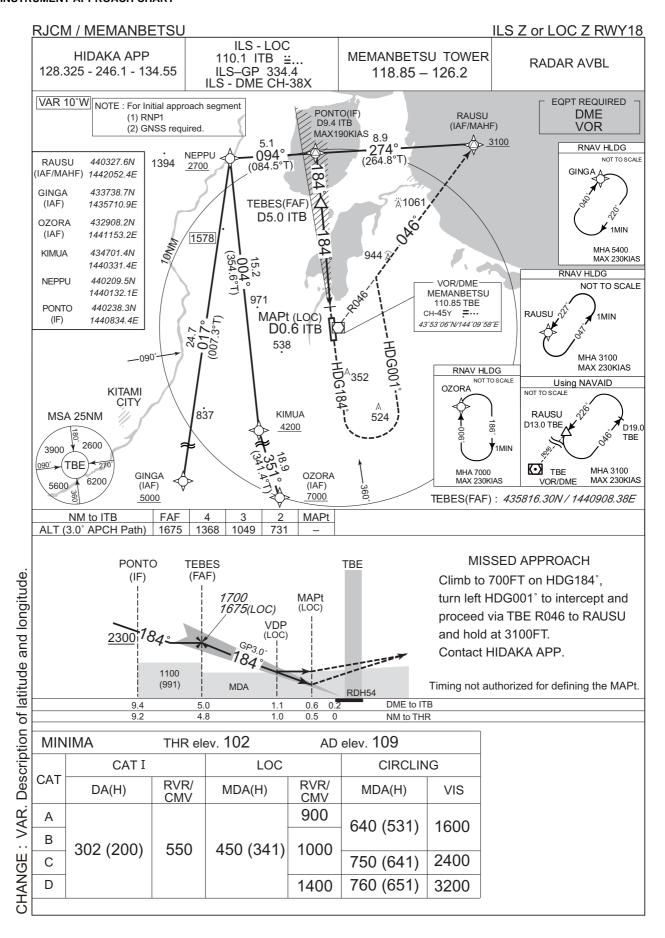
RWY36

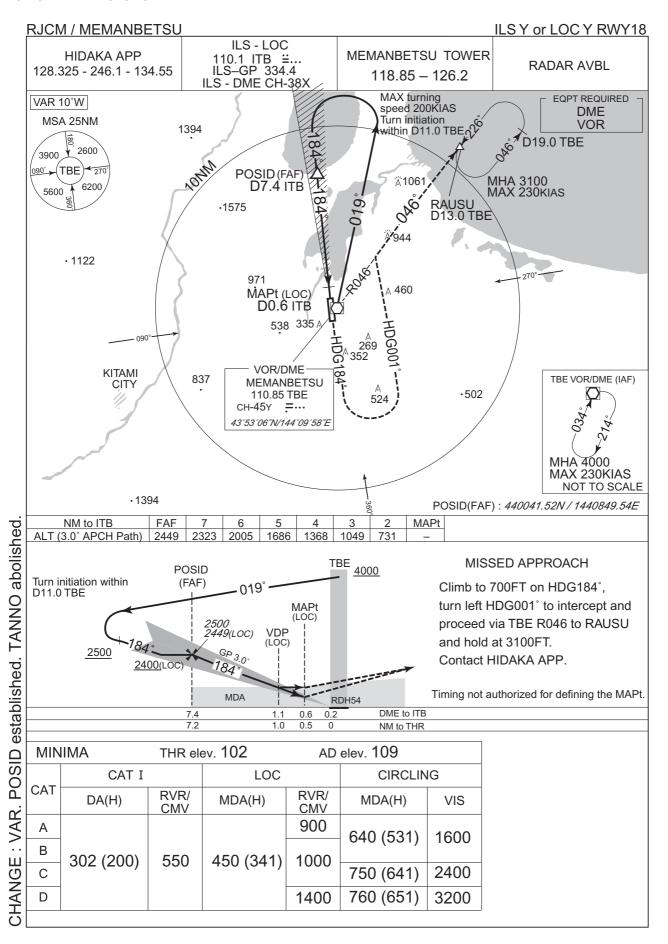
- 1												
-	Serial Number	Path Descriptor	Waypoint Identifier	, ,		Magnetic Variation		Turn Direction		•		Navigation Specification
	001	VA	_	_	004 (354.7)	-9.6	_	_	+1000	_	_	RNP1
	002	DF	AKNEP	_	_	-9.6	_	L	_	_	_	RNP1
	003	TF	NULKI	_	205 (194.9)	-9.6	16.5	-	+7000	_	_	RNP1

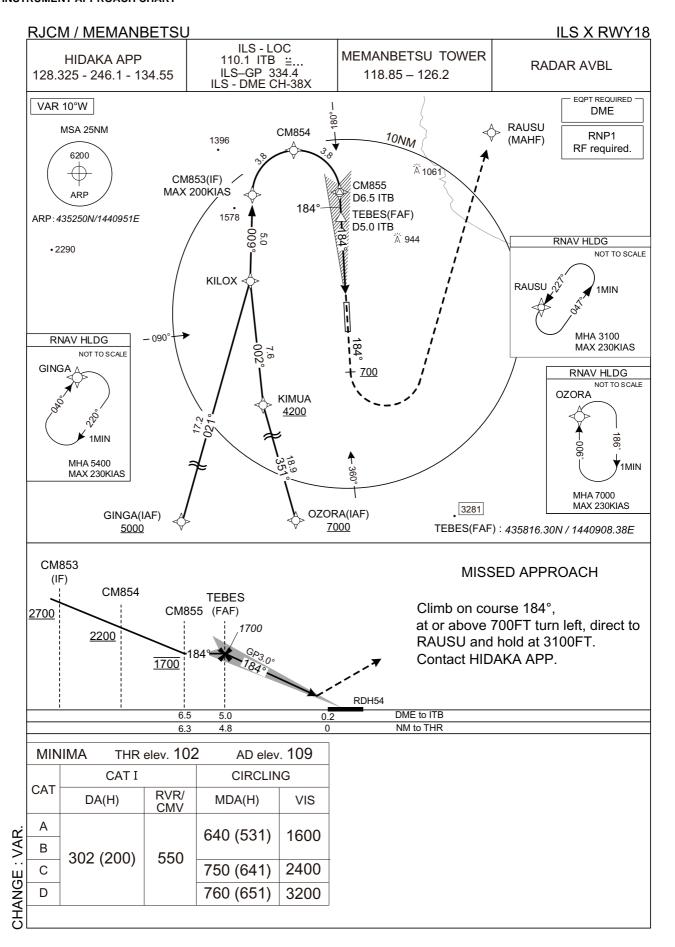
RJCM / MEMANBETSU

RNAV SID

Waypoint Identifier	Coordinates
BISAK	434808.9N / 1441026.9E
AKNEP	434859.1N / 1435906.4E
NULKI	433301.6N / 1435313.7E





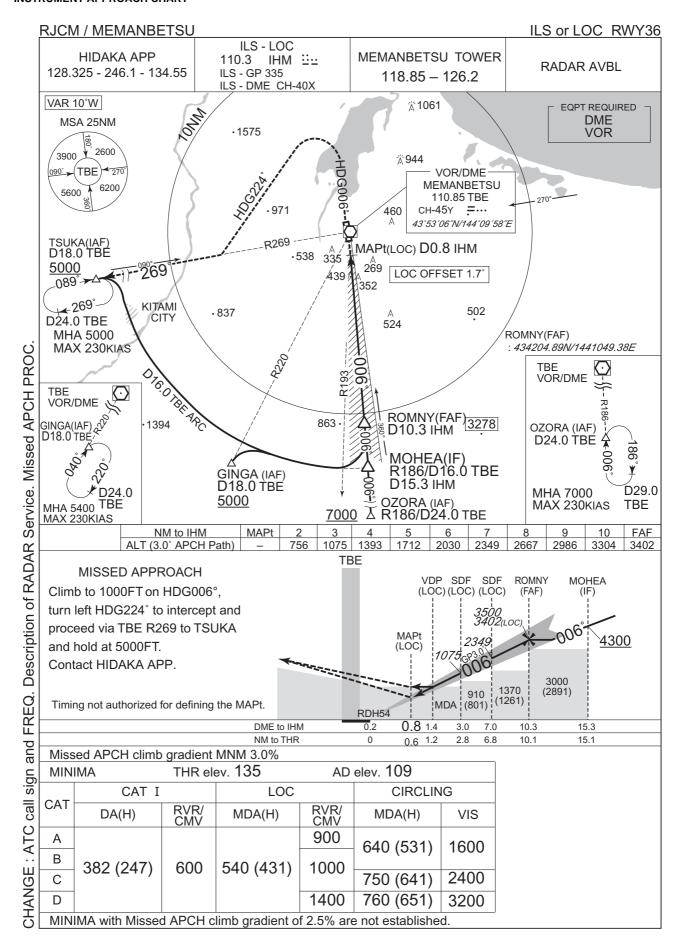


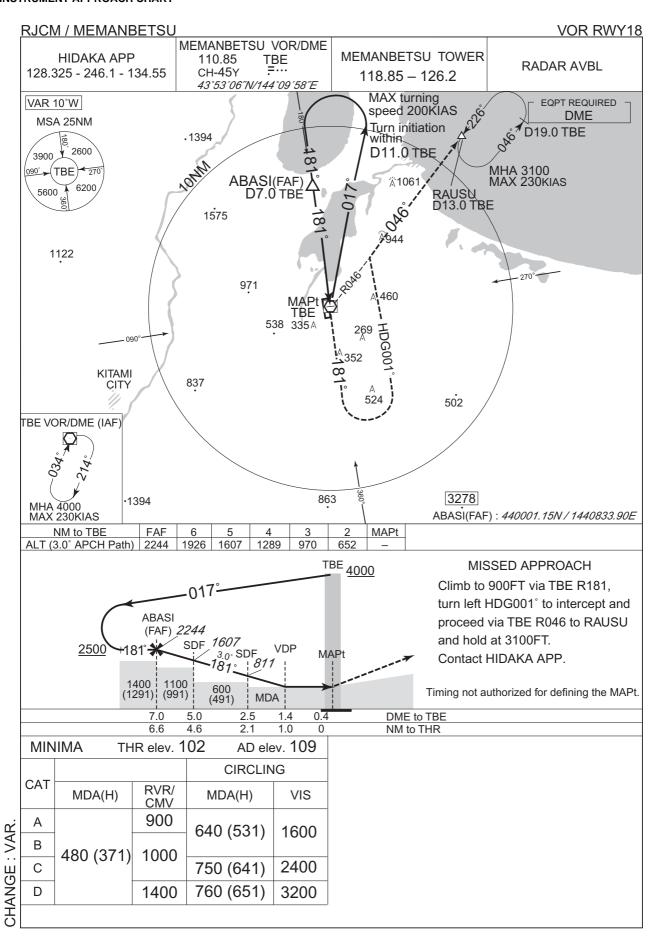
RJCM / MEMANBETSU

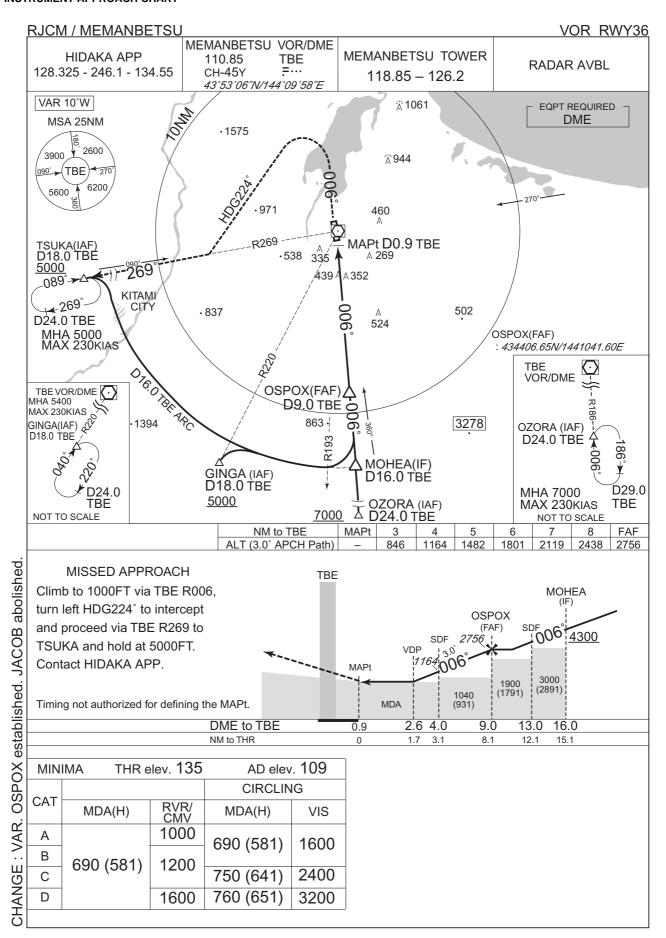
ILS X RWY18

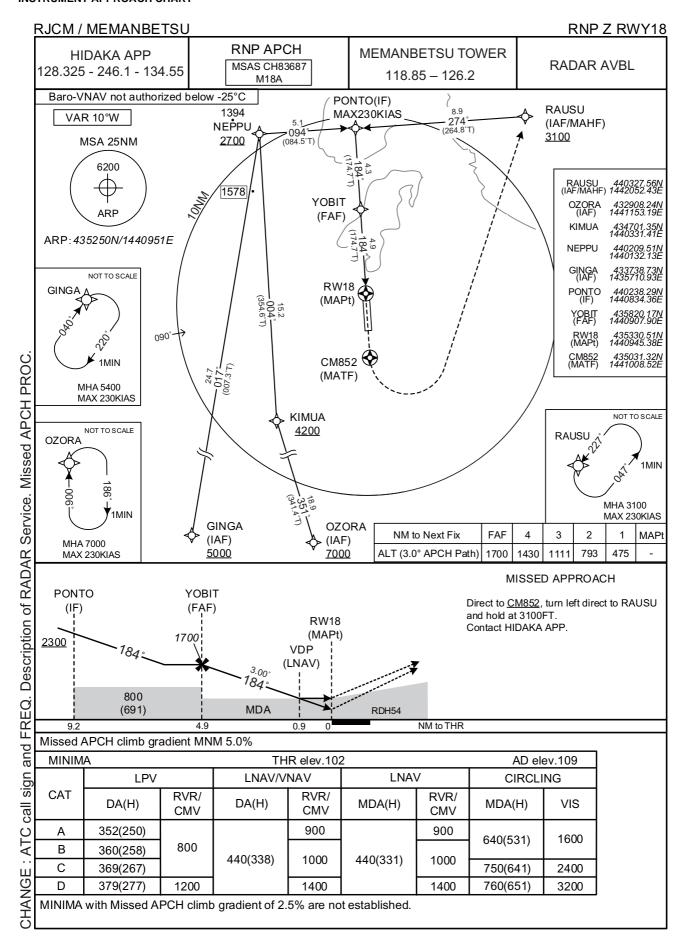
1 (3 CIVI /	SOM / MEMANDE 130											
					Codi	ng Table	<u>}</u>					
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification	
001	IF	GINGA	-	-	-9.6	-	-	+5000	-	-	RNP1	
002	TF	KILOX	-	021 (011.9)	-9.6	17.2	-	-	-	-	RNP1	
003	TF	CM853	-	009 (359.2)	-9.6	5.0	-	+2700	-200	-	RNP1	
001	IF	OZORA	-	-	-9.6	-	-	+7000	-	-	RNP1	
002	TF	KIMUA	-	351 (341.4)	-9.6	18.9	-	+4200	-	-	RNP1	
003	TF	KILOX	-	002 (352.2)	-9.6	7.6	-	-	-	-	RNP1	
004	TF	CM853	-	009 (359.2)	-9.6	5.0	-	+2700	-200	-	RNP1	
001	IF	CM853	_	_	-9.6	_	_	+2700	-200	_	RNP1	
002	RF Center: CMRF2 r=2.51NM	CM854	-	-	-9.6	3.8	R	+2200	-	-	RNP1	
003	RF Center: CMRF2 r=2.51NM	CM855	-	-	-9.6	3.8	R	1700	-	-	RNP1	
001	CA	-	-	184 (174.7)	-9.6	-	-	+700	-	-	RNP1	
002	DF	RAUSU	-	-	-9.6	-	L	3100	-	-	RNP1	
	_											
Path	Waypoint Identifier	Inbour Cours °M(°T	e -)	Magnetic Variation	Outbo Tir (MI	ne	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification	
Hold	GINGA	040 (030.8	8)	-9.5	1.0 (-1	4000)	R	5400	FL140	-230 (-14000)	RNP1	
Hold	OZORA	006 (356.	7)	-9.5	1.0 (-1	4000)	R	7000	FL140	-230 (-14000)	RNP1	
Hold	RAUSU	227 (217.0		-9.5	1.0 (-1	4000)	L	3100	FL140	-230 (-14000)	RNP1	
	(217.0)											

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
GINGA	433738.73N / 1435710.93E	CMRF2	435931.80N / 1440529.11E
OZORA	432908.24N / 1441153.19E		
KIMUA	434701.35N / 1440331.41E		
KILOX	435429.92N / 1440206.12E		
CM853	435929.83N / 1440200.57E		
CM854	440202.15N / 1440517.96E		
CM855	435945.90N / 1440856.76E		
RAUSU	440327.56N / 1442052.43E		
		-	









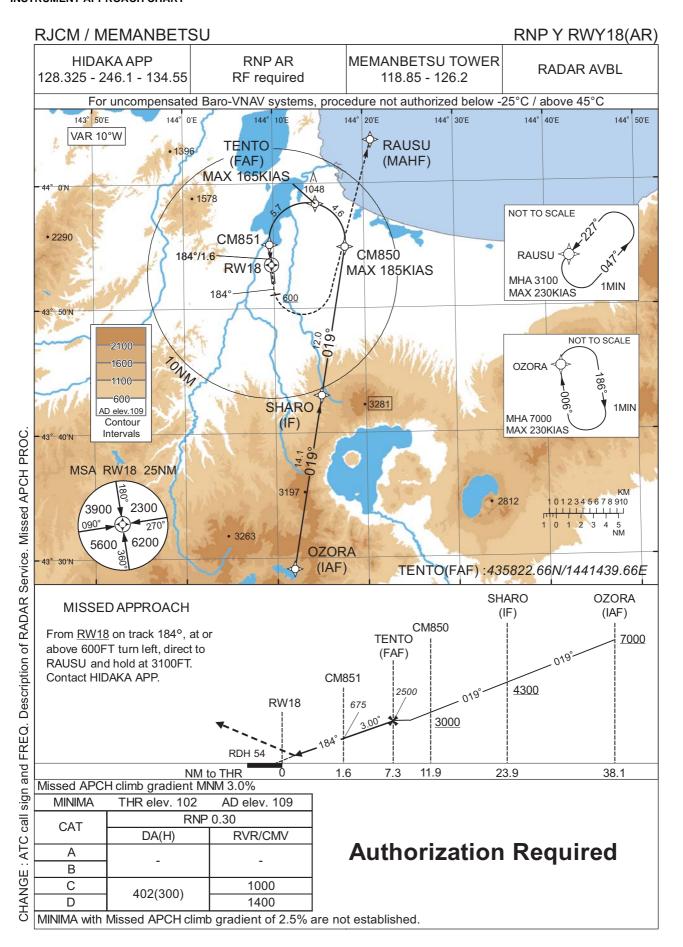
RJCM / MEMANBETSU

RNP Z RWY18

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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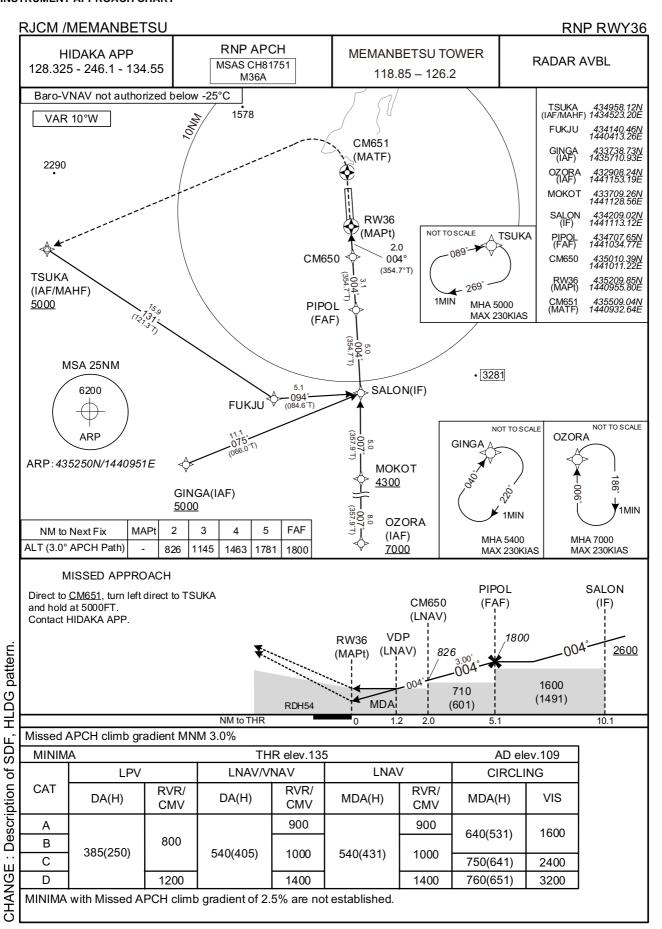
RNP Y RWY18(AR)

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		-	-9.5	-	ı	+7000	1	ı	-
002	TF	SHARO	1	019 (009.5)	-9.5	14.1	ı	+4300	-	ı	1.0
003	TF	CM850	1	019 (009.6)	-9.5	12.0	ı	+3000	-185	ı	1.0
004	RF Center: CMRF1 r=3.04NM	TENTO	1	-	-9.5	4.6	٦	2500	-165	,	1.0
005	RF Center: CMRF1 r=3.04NM	CM851	ı	1	-9.5	5.7	L	675	1	-3.00	0.3
006	TF	RW18	Υ	184 (174.7)	-9.5	1.6	1	156	-	-3.00/54	0.3
007	FA	-	1	184 (174.7)	-9.5	-	-	+600	-	-	1.0
800	DF	RAUSU	-	-	-9.5	-	L	3100	-	-	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	OZORA	006 (356.7)	-9.5	1.0 (-14000)	R	7000	FL140	-230 (-14000)	1.0
Hold	RAUSU	227 (217.0)	-9.5	1.0 (-14000)	L	3100	FL140	-230 (-14000)	1.0

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		



RJCM / MEMANBETSU

RNP RWY36

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		

Route indicator		Glide path angle	03.00
		Olide patit angle	00.00
ference path data selector	0	Course width at threshold	105.00
ference path ID	M36A	✓ length offset	0000
P/FTP latitude	435209.8350N	HAL	40.0
P/FTP longitude	1440955.7670E	VAL	50.0
C remainder	28C6AB24		
equired additional data			
P/FTP orthometric height	41.1		



※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
	網走 Abashiri	025°T / 9.2NM	JR駅 Station
ARP.	涛沸湖 Tofutsuko	074°T / 10.5NM	湖 Lake
from	小清水 Koshimizu	097°T / 13.3NM	学校 School
BRG/DIST	東藻琴 Higashimokoto	110°T / 6.1NM	市街地 Town
Map updated. BRG	美幌峠 Bihoro Toge	165°T / 14.4NM	峠 Pass
	津別 Tsubetsu	210°T / 12.2NM	市街地 Town
Мар и	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
CHANGE	浜佐呂間 Hamasaroma	321°T / 15.5NM	佐呂間大橋 Bridge



