

STANDARD DEPARTURE CHART -INSTRUMENT

RJCM / MEMANBETSU SID KUSHIRO FOUR DEPARTURE RWY 18: Climb RWY HDG to 600FT, via TBE R187/TCE R008 to TCE VOR/DME.... Climb RWY HDG to 800FT, turn right HDG 217° to intercept and proceed via TBE R187/TCE R008 to TCE VOR/DME.... CHANGE : PROC renamed. PROC course. ALT restriction at TCE established. KUSHIRO VOR/DME(KSE → TCE). Note(OBST) ... Cross TCE VOR/DME at or above 6000FT. RWY18: 3.9% climb gradient required up to 4500FT. Note OBST ALT 3281FT located at 17.0NM 182° FM end of RWY18. OBST ALT 4593FT located at 24.9NM 190° FM end of RWY18. 800 VOR/DME MEMANBETSU 110.85 CH-45Y TBE R187 43°53′06″N/144°09′58″E 100FT 600 187 VOR/DME **KUSHIRO** 6000 111.0 TCE CH–47X ₹--43°02′10″N/144°12′03″E 300FT

STANDARD DEPARTURE CHART-INSTRUMENT

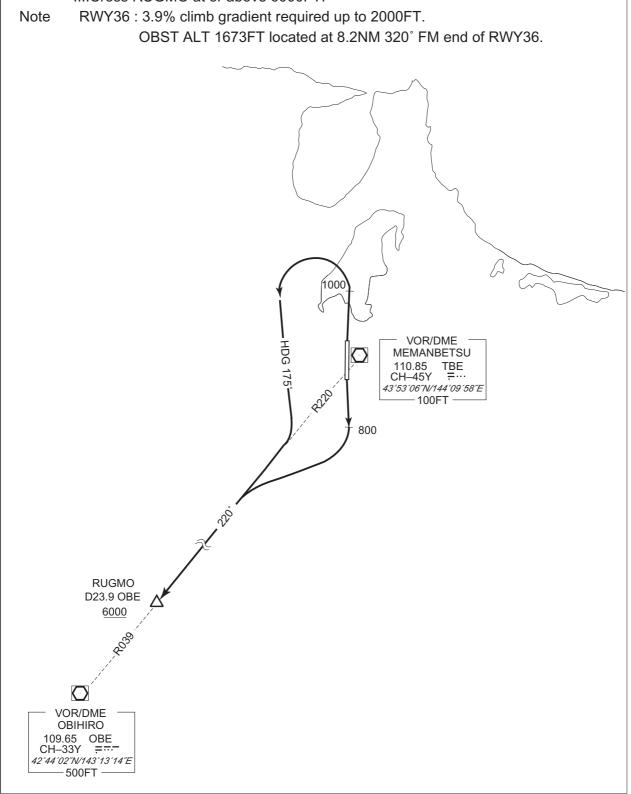
RJCM / MEMANBETSU SID

RUGMO ONE DEPARTURE

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

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

....Cross RUGMO at or above 6000FT.



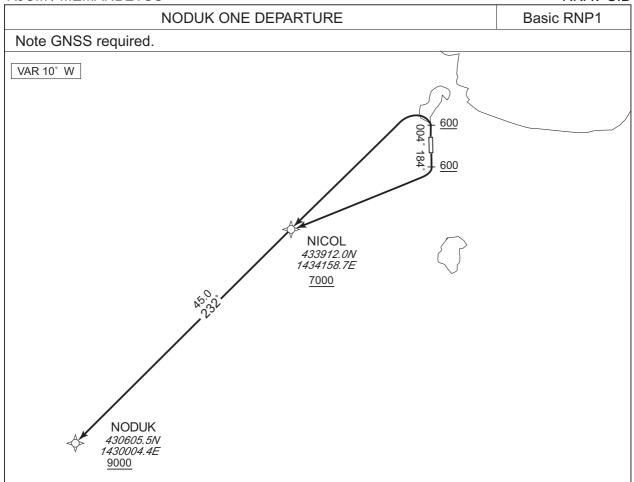
CHANGE : New PROC.

STANDARD DEPARTURE CHART-INSTRUMENT RJCM / MEMANBETSU SID 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. D5.0 TBE MEMANBETSU REVERSAL THREE DEPARTURE VOR/DME **MEMANBETSU** 110.85 CH-45Y TBE 43°53′06″N/144°09′58″E 4000 - 100FT -D5.0 TBE

STANDARD DEPARTURE CHART-INSTRUMENT

RJCM / MEMANBETSU

RNAV SID



RWY18: Climb on HDG184 $^{\circ}$ at or above 600FT, turn right direct to NICOL at or above 7000FT, to NODUK at or above 9000FT.

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

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

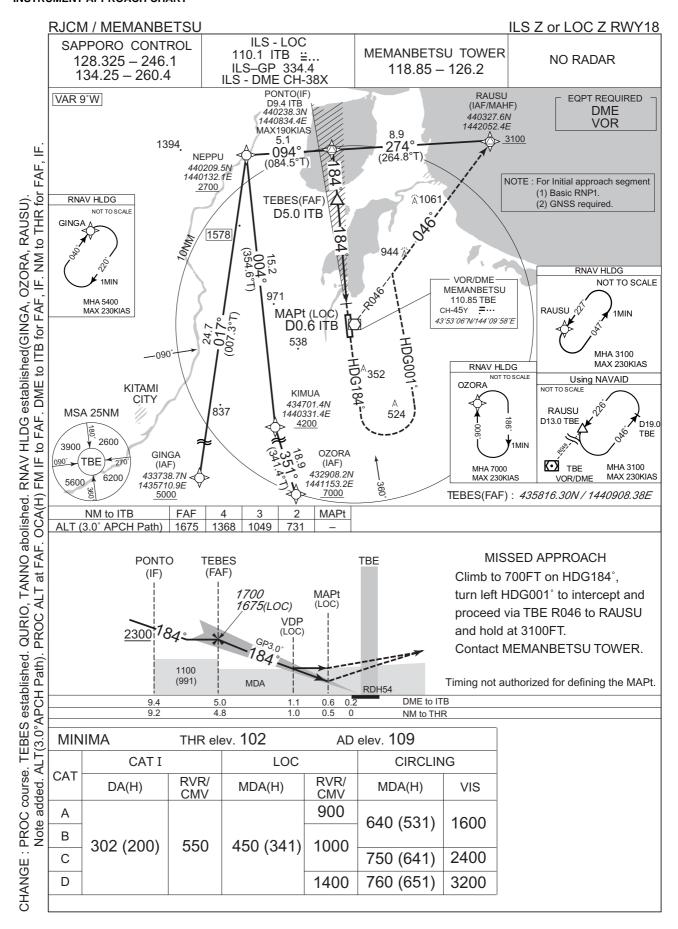
OBST ALT 1181FT located at 6.3NM 312° FM end of RWY36.

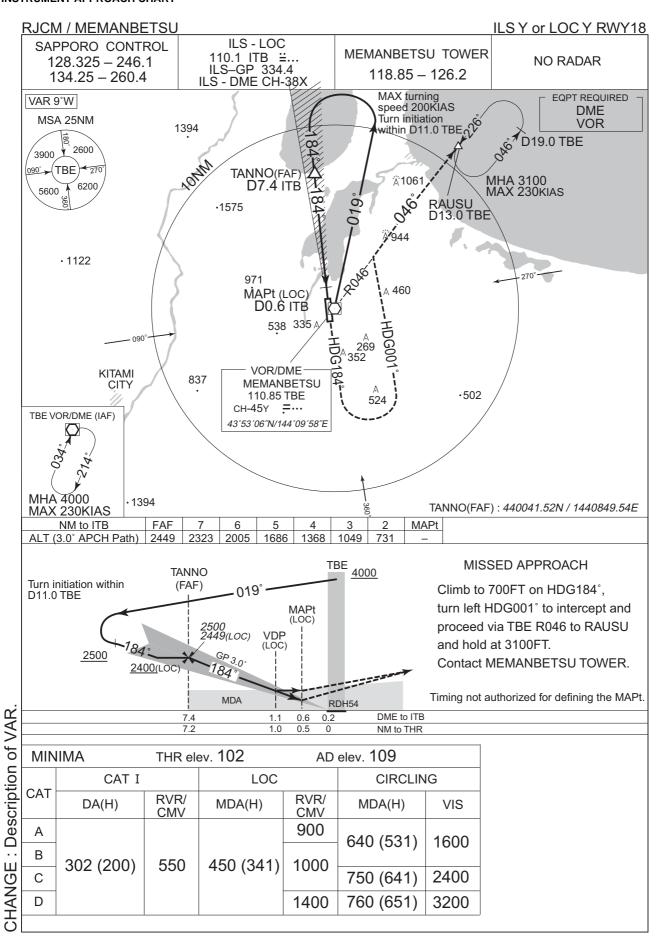
RWY18

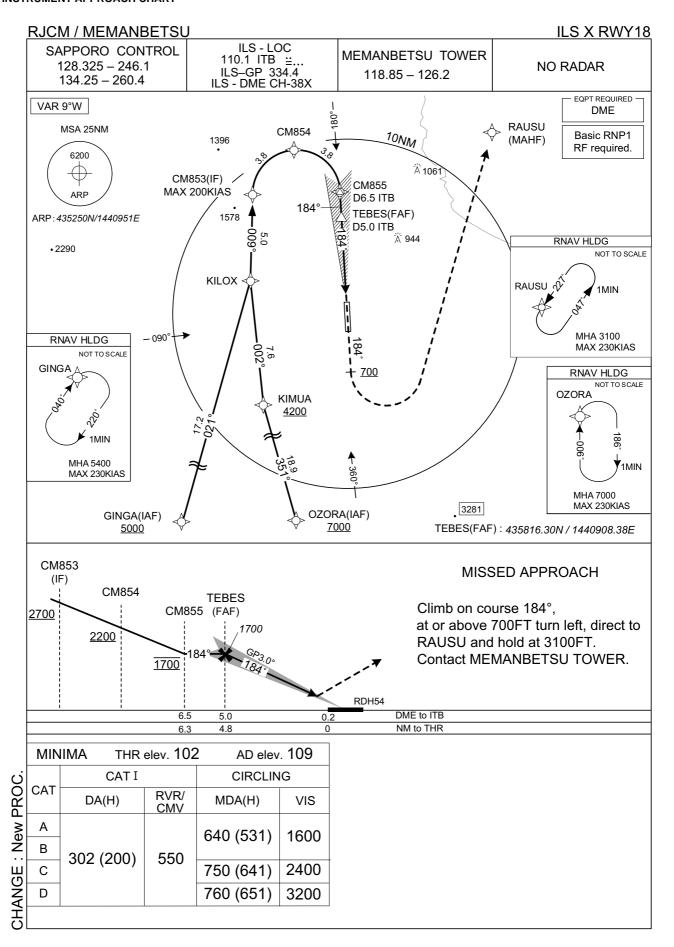
| Serial | Path | Waypoint | Fly | Course | Magnetic | Distance | Turn | Altitude | Speed | Vertical | Navigation |
|--------|------------|------------|------|----------------|-----------|----------|-----------|----------|--------|----------|---------------|
| Number | Descriptor | Identifier | Over | °M(°T) | Variation | (NM) | Direction | (FT) | (KIAS) | Angle | Specification |
| 001 | VA | _ | _ | 184 (174.7) | -9.5 | _ | _ | +600 | - | _ | Basic RNP1 |
| 002 | DF | NICOL | _ | _ | -9.5 | _ | R | +7000 | _ | _ | Basic RNP1 |
| 003 | TF | NODUK | _ | 232 (222.9) | -9.5 | 45.0 | _ | +9000 | _ | _ | Basic RNP1 |

RWY36

| Serial | Path | Waypoint | Fly | Course | Magnetic | Distance | Turn | Altitude | Speed | Vertical | Navigation |
|--------|------------|------------|------|----------------|-----------|----------|-----------|----------|--------|----------|---------------|
| Number | Descriptor | Identifier | Over | °M(°T) | Variation | (NM) | Direction | (FT) | (KIAS) | Angle | Specification |
| 001 | VA | - | _ | 004 (354.7) | -9.5 | _ | _ | +600 | _ | _ | Basic RNP1 |
| 002 | DF | NICOL | _ | _ | -9.5 | _ | L | +7000 | _ | _ | Basic RNP1 |
| 003 | TF | NODUK | _ | 232 (222.9) | -9.5 | 45.0 | _ | +9000 | _ | _ | Basic RNP1 |
| | | | | | | | | | | | |







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ILS X RWY18

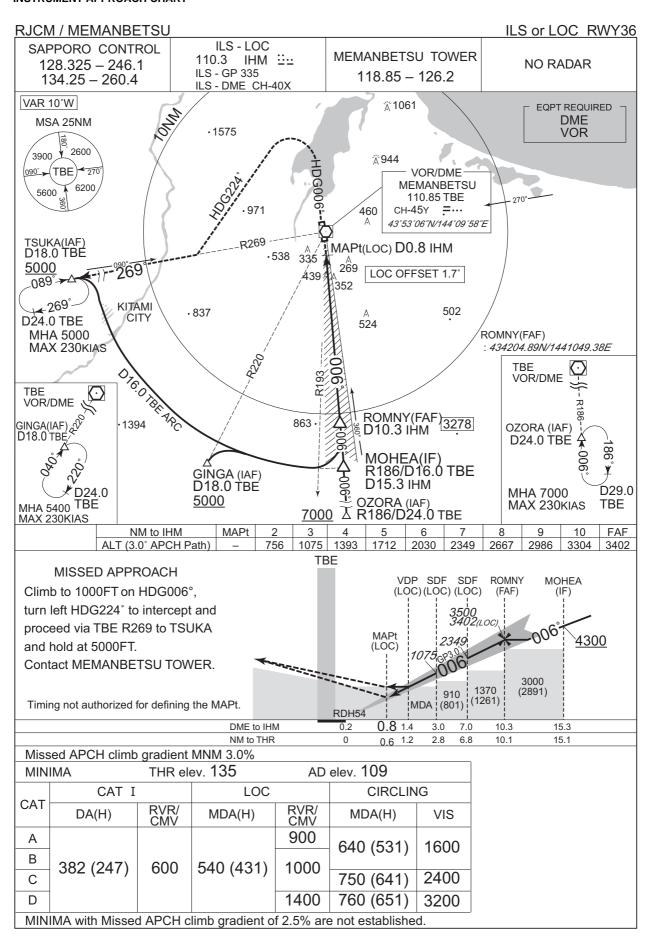
Coding Table

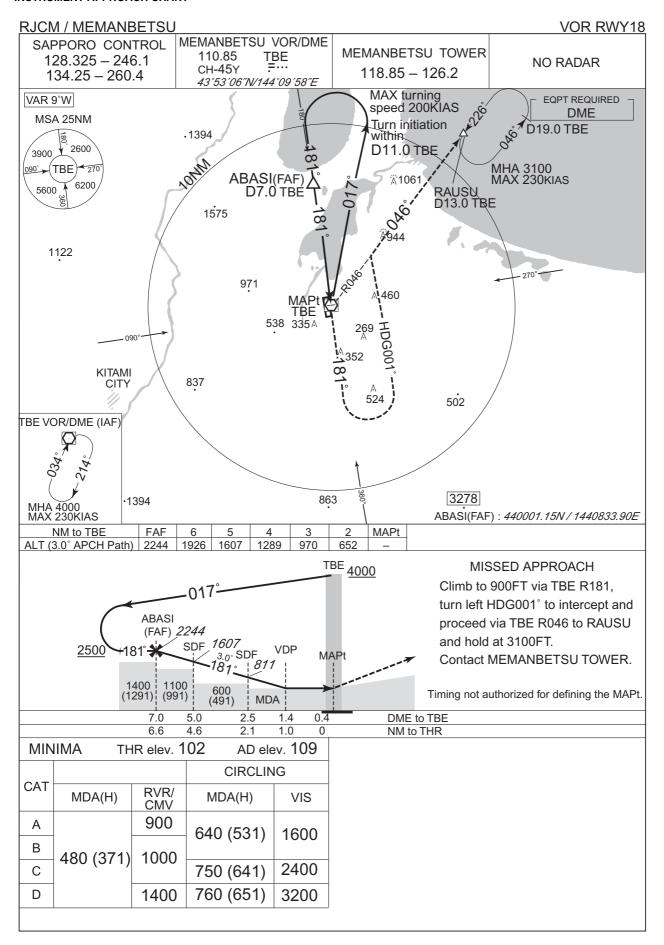
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|------------------|------------------------------------|------------------------|-------------|------------------|-----------------------|------------------|-------------------|------------------|-----------------|-------------------|-----------------------------|
| 001 | IF | GINGA | _ | _ | -9.6 | _ | - | +5000 | _ | _ | Basic RNP1 |
| 002 | TF | KILOX | - | 021 (011.9) | -9.6 | 17.2 | 1 | - | _ | _ | Basic RNP1 |
| 003 | TF | CM853 | 1 | 009 (359.2) | -9.6 | 5.0 | İ | +2700 | -200 | ı | Basic RNP1 |
| | | | | | | | | | | | |
| 001 | IF | OZORA | - | - | -9.6 | - | ı | +7000 | - | _ | Basic RNP1 |
| 002 | TF | KIMUA | _ | 351 (341.4) | -9.6 | 18.9 | - | +4200 | _ | _ | Basic RNP1 |
| 003 | TF | KILOX | _ | 002 (352.2) | -9.6 | 7.6 | - | - | _ | _ | Basic RNP1 |
| 004 | TF | CM853 | - | 009 (359.2) | -9.6 | 5.0 | - | +2700 | -200 | _ | Basic RNP1 |
| | | | | | | | | | | | |
| 001 | IF | CM853 | _ | _ | -9.6 | _ | _ | +2700 | -200 | _ | Basic RNP1 |
| 002 | RF Center: CMRF2 r=2.51NM | CM854 | - | - | -9.6 | 3.8 | R | +2200 | - | _ | Basic RNP1 |
| 003 | RF Center: CMRF2 r=2.51NM | CM855 | - | _ | -9.6 | 3.8 | R | 1700 | _ | _ | Basic RNP1 |
| | | | | | | | | | | | |
| 001 | CA | _ | _ | 184 (174.7) | -9.6 | _ | _ | +700 | _ | _ | Basic RNP1 |
| 002 | DF | RAUSU | _ | _ | -9.6 | _ | L | 3100 | _ | _ | Basic RNP1 |

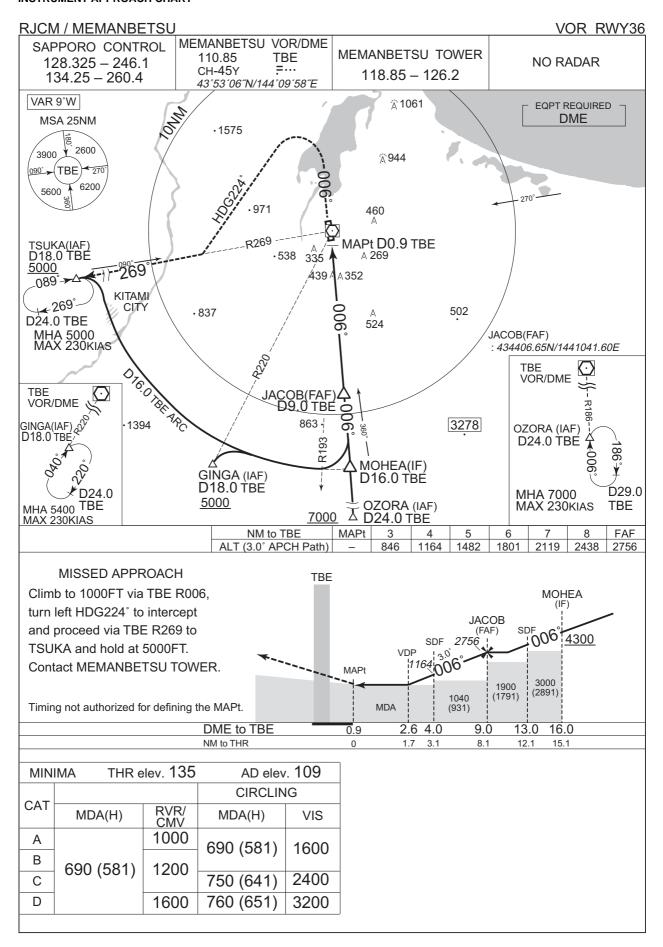
| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|------------------------|-----------------------------|-----------------------|---------------------------|-------------------|-----------------------------|-----------------------------|-----------------|-----------------------------|
| Hold | GINGA | 040 (030.8) | -9.5 | 1.0(-14000) | R | 5400 | FL140 | -230(-14000) | Basic RNP1 |
| Hold | OZORA | 006 (356.7) | -9.5 | 1.0(-14000) | R | 7000 | FL140 | -230(-14000) | Basic RNP1 |
| Hold | RAUSU | 227 (217.0) | -9.5 | 1.0(-14000) | L | 3100 | FL140 | -230(-14000) | Basic RNP1 |

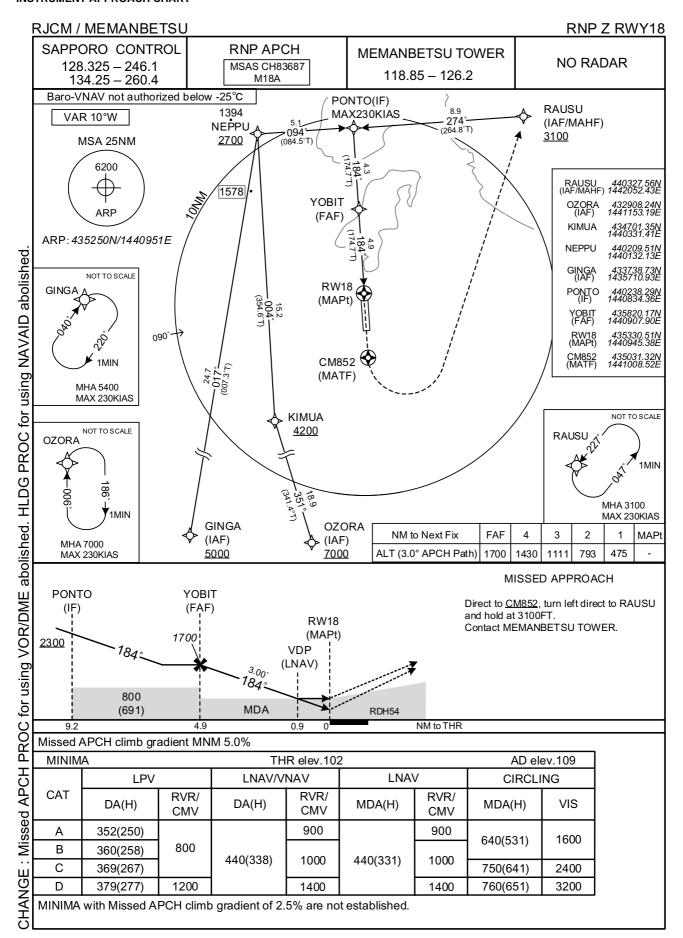
Waypoint Coordinates

| 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 | | |









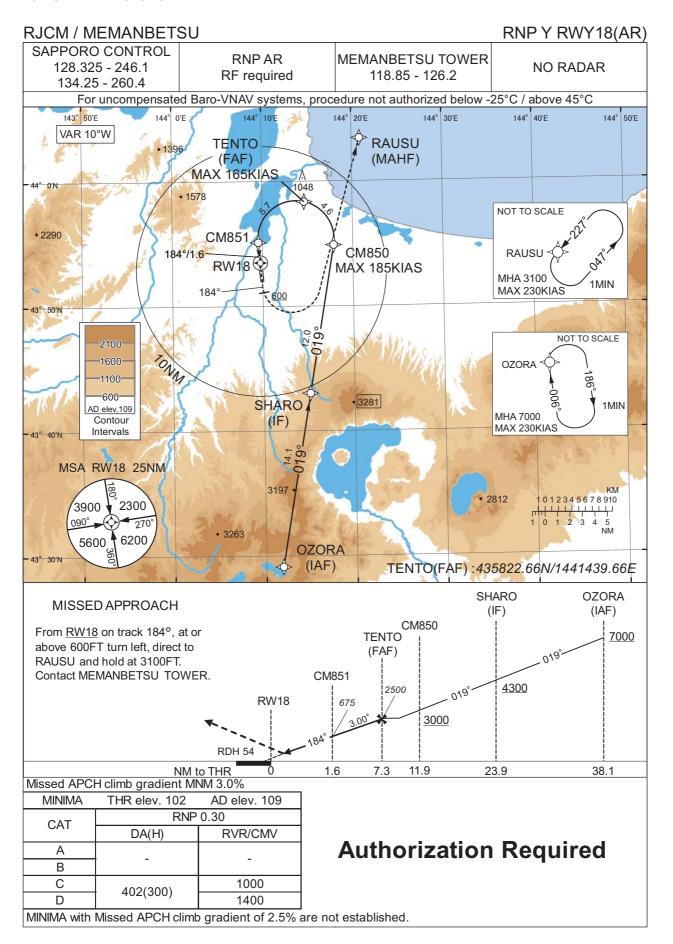
RJCM / MEMANBETSU

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 | 257C1F8B | | | | | |

Required additional data

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|-------------------------------|-------|
| II TP/FTP ormometric neight | I31.0 |
| 211 /1 11 Grandinionio noigni | - ··· |



RJCM / MEMANBETSU

RNP Y RWY18(AR)

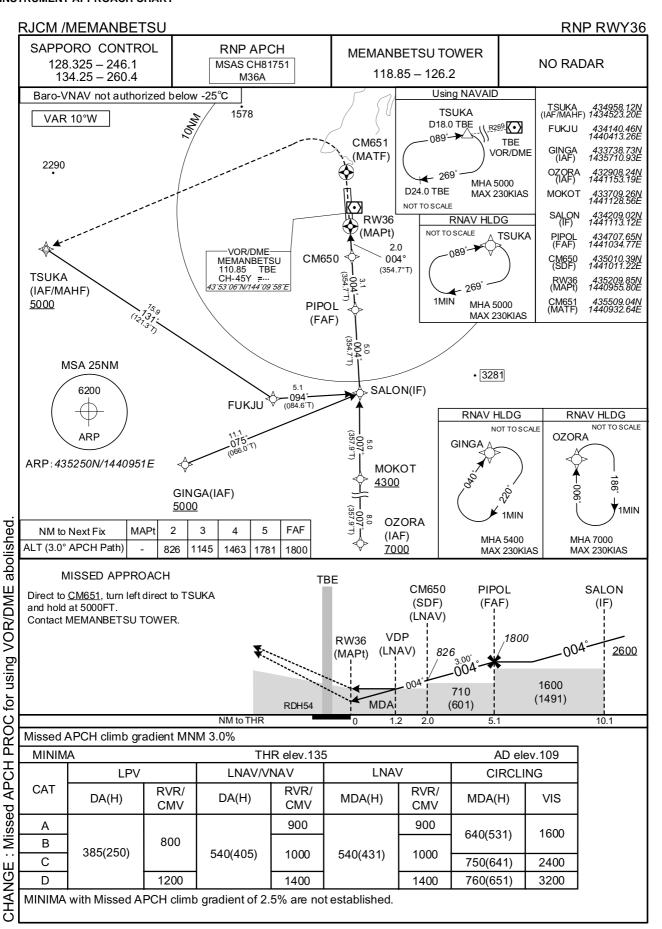
Coding Table

| 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 | ı | ı | -9.5 | ı | ı | +7000 | 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 | - | 1.0 |
| 004 | RF Center: CMRF1 r=3.04NM | TENTO | 1 | 1 | -9.5 | 4.6 | L | 2500 | -165 | 1 | 1.0 |
| 005 | RF Center: CMRF1 r=3.04NM | CM851 | - | - | -9.5 | 5.7 | L | 675 | - | -3.00 | 0.3 |
| 006 | TF | RW18 | Υ | 184 (174.7) | -9.5 | 1.6 | ı | 156 | ı | -3.00/54 | 0.3 |
| 007 | FA | - | - | 184 (174.7) | -9.5 | - | - | +600 | - | - | 1.0 |
| 800 | DF | RAUSU | - | - | -9.5 | 1 | 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 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 | | |



RJCM / MEMANBETSU

RNP RWY36

| | A C | | ΛТ | · v | DI | \sim | CK |
|----------|-----|---|----|-----|----|--------|-----|
| Γ | 43 | v | ΑI | А | DL | .U | UN. |

| 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



※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 |
|--------------------------------------|----------------------------|---------------------|-----------------|
| VGE: Map updated. BRG/DIST from ARP. | 網走 Abashiri | 025°T / 9.2NM | JR駅 Station |
| | 涛沸湖 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 |
| CHANGE | 浜佐呂間 Hamasaroma | 321°T / 15.5NM | 佐呂間大橋 Bridge |



