

RJBE / KOBE TRANSITION

### **KIBI TRANSITION**

From over MAIKO, proceed via KCE R272 to KAWAT, via OYE R114 to OYE VOR/DME.

Cross KAWAT at or above 7000FT.

### YABUU TRANSITION

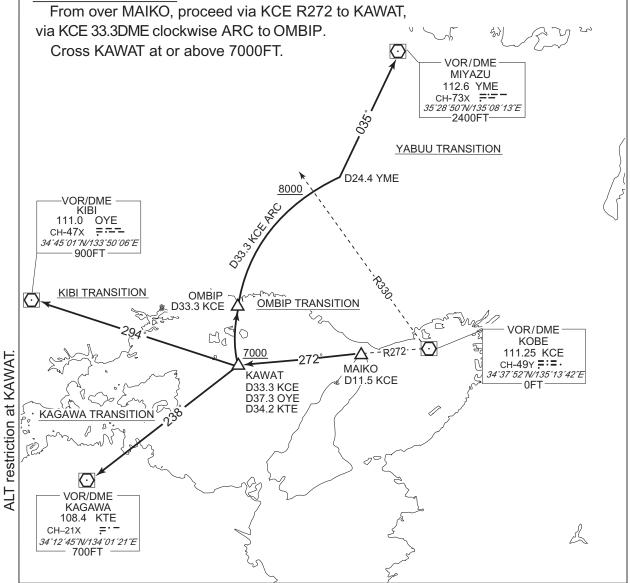
From over MAIKO, proceed via KCE R272 to KAWAT, via KCE 33.3DME clockwise ARC via OMBIP, to intercept and proceed via YME R215 to YME VOR/DME. Cross KAWAT at or above 7000FT, cross KCE R330 at or above 8000FT.

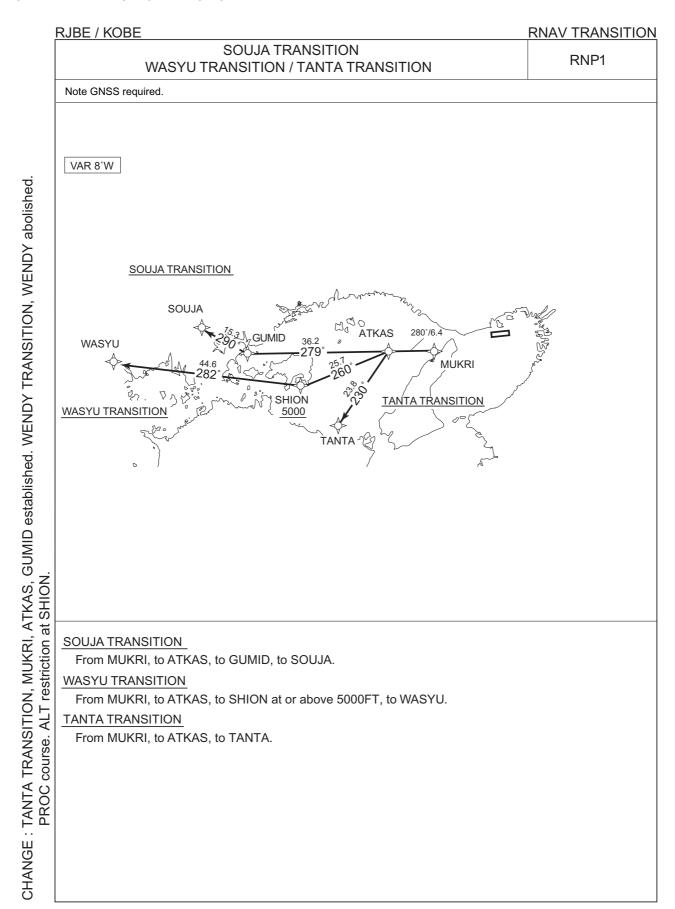
### KAGAWA TRANSITION

From over MAIKO, proceed via KCE R272 to KAWAT, via KTE R058 to KTE VOR/DME.

Cross KAWAT at or above 7000FT.

### **OMBIP TRANSITION**





### RJBE / KOBE

### **RNAV TRANSITION**

# **SOUJA TRANSITION**

| Serial<br>Number | Path<br>Descriptor | Waypoint<br>Identifier | Fly<br>Over | Course<br>M°(°T) | Magnetic<br>Variation | Distance<br>(NM) | Turn<br>Direction | Altitude<br>(FT) | Speed<br>(KIAS) | Vertical<br>Angle | Navigation<br>Specification |
|------------------|--------------------|------------------------|-------------|------------------|-----------------------|------------------|-------------------|------------------|-----------------|-------------------|-----------------------------|
| 001              | IF                 | MUKRI                  | _           | _                | -8.2                  | _                | _                 | _                | _               | _                 | RNP1                        |
| 002              | TF                 | ATKAS                  | _           | 280<br>(271.9)   | -8.2                  | 6.4              | _                 | _                | _               | _                 | RNP1                        |
| 003              | TF                 | GUMID                  | _           | 279<br>(270.9)   | -8.2                  | 36.2             | _                 | _                | _               | _                 | RNP1                        |
| 004              | TF                 | SOUJA                  | _           | 290<br>(282.2)   | -8.2                  | 15.3             | _                 | _                | _               | ı                 | RNP1                        |

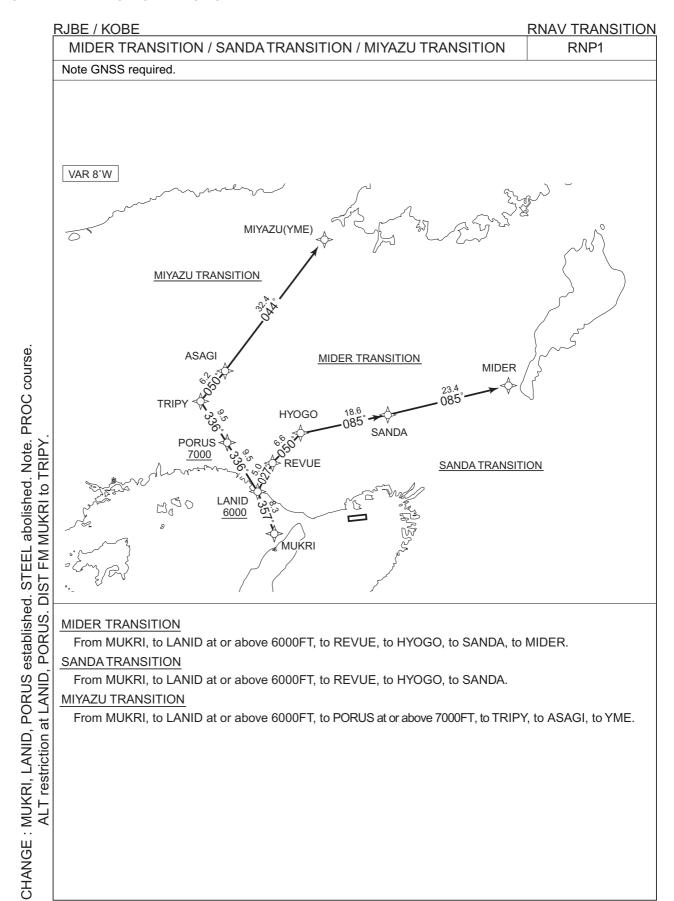
### **WASYU TRANSITION**

| Serial<br>Number | Path<br>Descriptor | Waypoint<br>Identifier | Fly<br>Over | Course<br>M°(°T) | Magnetic<br>Variation | Distance<br>(NM) | Turn<br>Direction | Altitude<br>(FT) | Speed<br>(KIAS) | Vertical<br>Angle | Navigation<br>Specification |
|------------------|--------------------|------------------------|-------------|------------------|-----------------------|------------------|-------------------|------------------|-----------------|-------------------|-----------------------------|
| 001              | IF                 | MUKRI                  | _           | _                | -8.2                  | _                | _                 | _                | _               | _                 | RNP1                        |
| 002              | TF                 | ATKAS                  | _           | 280<br>(271.9)   | -8.2                  | 6.4              | _                 | _                | _               | _                 | RNP1                        |
| 003              | TF                 | SHION                  | _           | 260<br>(251.4)   | -8.2                  | 25.7             | _                 | +5000            | _               | _                 | RNP1                        |
| 004              | TF                 | WASYU                  | _           | 282<br>(273.6)   | -8.2                  | 44.6             | _                 | _                | _               | _                 | RNP1                        |

# TANTA TRANSITION

| Serial<br>Number | Path<br>Descriptor | Waypoint<br>Identifier | Fly<br>Over | Course<br>M°(°T) | Magnetic<br>Variation | Distance<br>(NM) | Turn<br>Direction | Altitude<br>(FT) | Speed<br>(KIAS) | Vertical<br>Angle | Navigation<br>Specification |
|------------------|--------------------|------------------------|-------------|------------------|-----------------------|------------------|-------------------|------------------|-----------------|-------------------|-----------------------------|
| 001              | IF                 | MUKRI                  | _           | _                | -8.2                  | _                | _                 | _                | _               | _                 | RNP1                        |
| 002              | TF                 | ATKAS                  | _           | 280<br>(271.9)   | -8.2                  | 6.4              | _                 | _                | _               | _                 | RNP1                        |
| 003              | TF                 | TANTA                  | _           | 230<br>(221.4)   | -8.2                  | 23.8             | _                 | _                | _               | _                 | RNP1                        |

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| MUKRI               | 343345.5N / 1345419.2E | SHION               | 342542.1N / 1341657.4E |
| ATKAS               | 343358.2N / 1344630.9E | WASYU               | 342817.5N / 1332301.1E |
| GUMID               | 343425.8N / 1340234.0E | TANTA               | 341604.9N / 1342729.2E |
| SOUJA               | 343738.6N / 1334422.5E |                     |                        |



# RJBE / KOBE

### **RNAV TRANSITION**

# MIDER TRANSITION

| Serial<br>Number | Path<br>Descriptor | Waypoint<br>Identifier | Fly<br>Over | Course<br>°M(°T) | Magnetic<br>Variation | Distance<br>(NM) | Turn<br>Direction | Altitude<br>(FT) | Speed<br>(KIAS) | Vertical<br>Angle | Navigation<br>Specification |
|------------------|--------------------|------------------------|-------------|------------------|-----------------------|------------------|-------------------|------------------|-----------------|-------------------|-----------------------------|
| 001              | IF                 | MUKRI                  | _           | _                | -8.2                  | _                | _                 | _                | _               | _                 | RNP1                        |
| 002              | TF                 | LANID                  | _           | 357<br>(349.2)   | -8.2                  | 8.3              | _                 | +6000            | _               | _                 | RNP1                        |
| 003              | TF                 | REVUE                  | _           | 027<br>(018.9)   | -8.2                  | 5.0              | _                 | _                | _               | _                 | RNP1                        |
| 004              | TF                 | HYOGO                  | _           | 050<br>(041.6)   | -8.2                  | 6.6              | _                 | _                | _               | _                 | RNP1                        |
| 005              | TF                 | SANDA                  | _           | 085<br>(076.4)   | -8.2                  | 18.6             | _                 | _                | _               | _                 | RNP1                        |
| 006              | TF                 | MIDER                  | _           | 085<br>(077.1)   | -8.2                  | 23.4             | _                 | _                | _               | _                 | RNP1                        |

# **SANDATRANSITION**

| Serial<br>Number | Path<br>Descriptor | Waypoint<br>Identifier | Fly<br>Over | Course<br>°M(°T) | Magnetic<br>Variation | Distance<br>(NM) | Turn<br>Direction | Altitude<br>(FT) | Speed<br>(KIAS) | Vertical<br>Angle | Navigation<br>Specification |
|------------------|--------------------|------------------------|-------------|------------------|-----------------------|------------------|-------------------|------------------|-----------------|-------------------|-----------------------------|
| 001              | IF                 | MUKRI                  | _           | _                | -8.2                  | _                | _                 | _                | _               | _                 | RNP1                        |
| 002              | TF                 | LANID                  | _           | 357<br>(349.2)   | -8.2                  | 8.3              | _                 | +6000            | _               | _                 | RNP1                        |
| 003              | TF                 | REVUE                  | _           | 027<br>(018.9)   | -8.2                  | 5.0              | _                 | _                | _               | _                 | RNP1                        |
| 004              | TF                 | HYOGO                  | _           | 050<br>(041.6)   | -8.2                  | 6.6              | _                 | _                | _               | _                 | RNP1                        |
| 005              | TF                 | SANDA                  | _           | 085<br>(076.4)   | -8.2                  | 18.6             | _                 | _                | _               | _                 | RNP1                        |

# MIYAZU TRANSITION

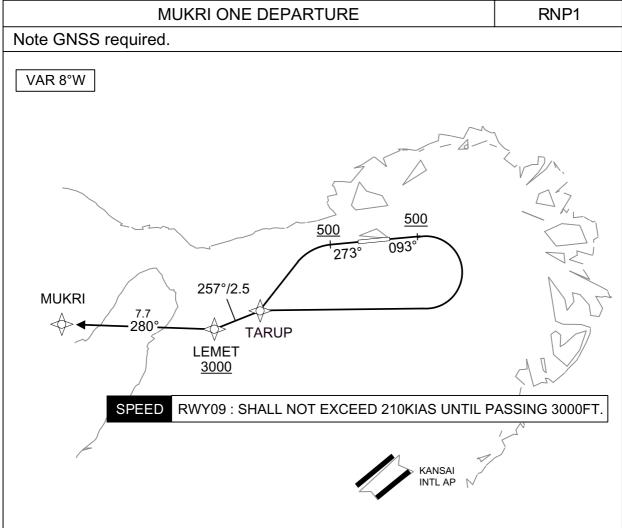
| Serial<br>Number | Path<br>Descriptor | Waypoint<br>Identifier | Fly<br>Over | Course<br>°M(°T) | Magnetic<br>Variation | Distance<br>(NM) | Turn<br>Direction | Altitude<br>(FT) | Speed<br>(KIAS) | Vertical<br>Angle | Navigation<br>Specification |
|------------------|--------------------|------------------------|-------------|------------------|-----------------------|------------------|-------------------|------------------|-----------------|-------------------|-----------------------------|
| 001              | IF                 | MUKRI                  | _           | _                | -8.2                  | _                | _                 | _                | _               | _                 | RNP1                        |
| 002              | TF                 | LANID                  | _           | 357<br>(349.2)   | -8.2                  | 8.3              | _                 | +6000            | _               | _                 | RNP1                        |
| 003              | TF                 | PORUS                  | _           | 336<br>(327.9)   | -8.2                  | 9.5              | _                 | +7000            | _               | _                 | RNP1                        |
| 004              | TF                 | TRIPY                  | _           | 336<br>(327.8)   | -8.2                  | 9.5              | _                 | -                | _               | _                 | RNP1                        |
| 005              | TF                 | ASAGI                  | _           | 050<br>(041.6)   | -8.2                  | 6.2              | -                 | I                | _               | _                 | RNP1                        |
| 006              | TF                 | YME                    | _           | 044<br>(035.7)   | -8.2                  | 32.4             | _                 | _                | _               | _                 | RNP1                        |

# RJBE / KOBE

# RNAV TRANSITION

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| MUKRI               | 343345.5N / 1345419.2E | MIDER               | 350101.4N / 1354933.6E |
| LANID               | 344152.2N / 1345226.6E | PORUS               | 344956.9N / 1344615.6E |
| REVUE               | 344636.4N / 1345425.3E | TRIPY               | 345801.2N / 1344003.4E |
| HYOGO               | 345130.6N / 1345944.0E | ASAGI               | 350237.2N / 1344502.4E |
| SANDA               | 345550.2N / 1352143.9E | YME                 | 352850.5N / 1350813.3E |

RJBE / KOBE RNAV SID



RWY09 : Climb on HDG093° at or above 500FT, turn right direct to TARUP,

to LEMET at or above 3000FT, to MUKRI.

RWY27 : Climb on HDG273° at or above 500FT, turn left direct to TARUP,

to LEMET at or above 3000FT, to MUKRI.

Note RWY09: 5.0% climb gradient required up to 500FT. RWY27: 5.0% climb gradient required up to 500FT.

RJBE / KOBE RNAV SID

# MUKRI ONE DEPARTURE

# RWY09

| Serial<br>Number | Path<br>Descriptor | Waypoint<br>Identifier | Fly<br>Over | Course<br>°M(°T) | Magnetic<br>Variation | Distance<br>(NM) | Turn<br>Direction | Altitude<br>(FT) | Speed<br>(KIAS) | Vertical<br>Angle | Navigation<br>Specification |
|------------------|--------------------|------------------------|-------------|------------------|-----------------------|------------------|-------------------|------------------|-----------------|-------------------|-----------------------------|
| 001              | VA                 | -                      | -           | 093<br>(084.6)   | -8.2                  | _                | _                 | +500             | -               | ı                 | RNP1                        |
| 002              | DF                 | TARUP                  | -           | _                | -8.2                  | _                | R                 | _                | _               | -                 | RNP1                        |
| 003              | TF                 | LEMET                  | -           | 257<br>(248.5)   | -8.2                  | 2.5              | _                 | +3000            | _               | _                 | RNP1                        |
| 004              | TF                 | MUKRI                  | -           | 280<br>(272.0)   | -8.2                  | 7.7              | _                 | _                | _               | _                 | RNP1                        |

# RWY27

| Serial<br>Number | Path<br>Descriptor | Waypoint<br>Identifier | Fly<br>Over | Course<br>°M(°T) | Magnetic<br>Variation | Distance<br>(NM) | Turn<br>Direction | Altitude<br>(FT) | Speed<br>(KIAS) | Vertical<br>Angle | Navigation<br>Specification |
|------------------|--------------------|------------------------|-------------|------------------|-----------------------|------------------|-------------------|------------------|-----------------|-------------------|-----------------------------|
| 001              | VA                 | ı                      | 1           | 273<br>(264.6)   | -8.2                  | _                | _                 | +500             | ı               | 1                 | RNP1                        |
| 002              | DF                 | TARUP                  | -           | 1                | -8.2                  | _                | L                 | _                | ı               | _                 | RNP1                        |
| 003              | TF                 | LEMET                  | -           | 257<br>(248.5)   | -8.2                  | 2.5              | _                 | +3000            | ı               | -                 | RNP1                        |
| 004              | TF                 | MUKRI                  | -           | 280<br>(272.0)   | -8.2                  | 7.7              | _                 | -                | ı               | ı                 | RNP1                        |

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| TARUP               | 343423.6N / 1350626.5E | MUKRI               | 343345.5N / 1345419.2E |
| LEMET               | 343329.7N / 1350340.2E |                     |                        |

#### STANDARD ARRIVAL CHART-INSTRUMENT

RJBE / KOBE STAR

### **OMBIP ARRIVAL**

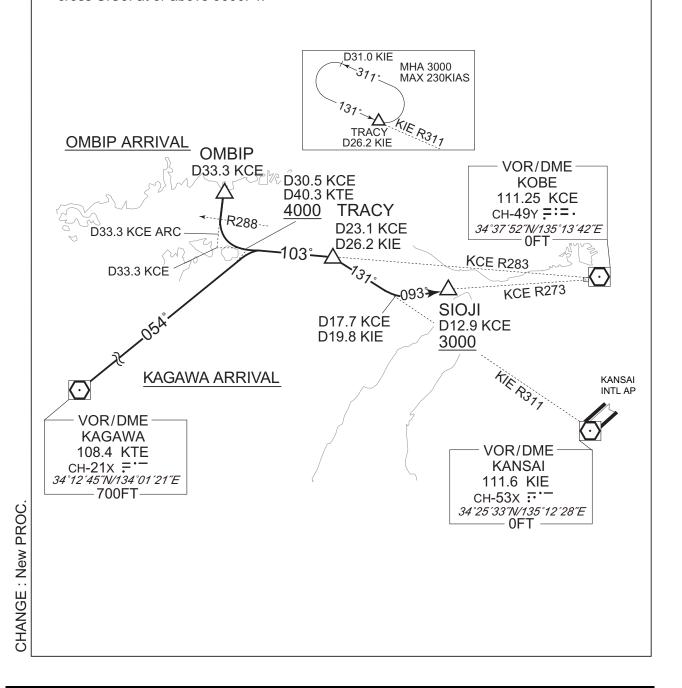
From over OMBIP, proceed via KCE 33.3DME counterclockwise ARC to intercept and proceed via KCE R283 to TRACY, via KIE R311 to intercept and proceed via KCE R273 to SIOJI.

Cross SIOJI at or above 3000FT.

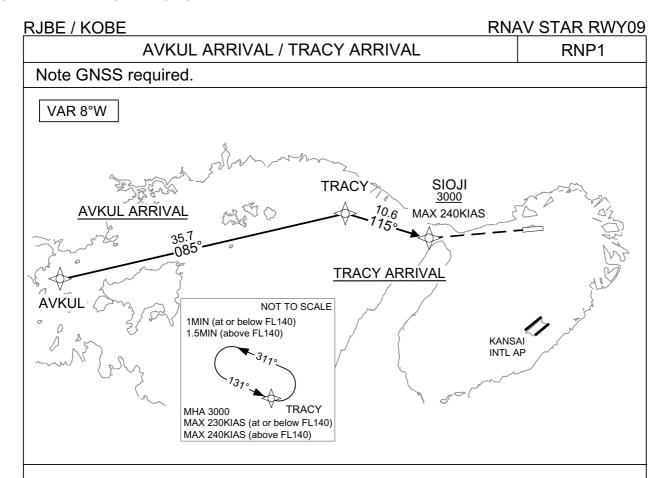
### KAGAWA ARRIVAL

From over KTE VOR/DME, proceed via KTE R054 to intercept and proceed via KCE R283 to TRACY, via KIE R311 to intercept and proceed via KCE R273 to SIOJI.

Cross KCE R283/30.5DME(KTE R054/40.3DME) at or above 4000FT, cross SIOJI at or above 3000FT.



### STANDARD ARRIVAL CHART-INSTRUMENT



# **AVKUL ARRIVAL**

From AVKUL, to TRACY, to SIOJI at or above 3000FT.

# TRACY ARRIVAL

From TRACY, to SIOJI at or above 3000FT.

CHANGE: New PROC.

### STANDARD ARRIVAL CHART-INSTRUMENT

# RJBE / KOBE

# **RNAV STAR RWY09**

# **AVKUL ARRIVAL**

| Serial<br>Number | Path<br>Descriptor | Waypoint<br>Identifier | Fly<br>Over | Course<br>°M(°T) | Magnetic<br>Variation | Distance<br>(NM) | Turn<br>Direction | Altitude<br>(FT) | Speed<br>(KIAS) | Vertical<br>Angle | Navigation<br>Specification |
|------------------|--------------------|------------------------|-------------|------------------|-----------------------|------------------|-------------------|------------------|-----------------|-------------------|-----------------------------|
| 001              | IF                 | AVKUL                  | -           | -                | -8.2                  | -                | ı                 | 1                | -               | _                 | RNP1                        |
| 002              | TF                 | TRACY                  | _           | 085<br>(076.5)   | -8.2                  | 35.7             | 1                 | 1                | _               | _                 | RNP1                        |
| 003              | TF                 | SIOJI                  | _           | 115<br>(106.7)   | -8.2                  | 10.6             | ı                 | +3000            | -240            | _                 | RNP1                        |

| Path | Waypoint<br>Identifier | Inbound<br>Course<br>°M(°T) | Magnetic<br>Variation | Outbound<br>Time<br>(MIN)  | Turn<br>Direction | Minimum<br>Altitude<br>(FT) | Maximum<br>Altitude<br>(FT) | Speed<br>(KIAS)              | Navigation<br>Specification |
|------|------------------------|-----------------------------|-----------------------|----------------------------|-------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|
| Hold | TRACY                  | 131<br>(123.1)              | -8.2                  | 1.0(-14000)<br>1.5(+14001) | L                 | 3000                        | _                           | -230(-14000)<br>-240(+14001) | RNP1                        |

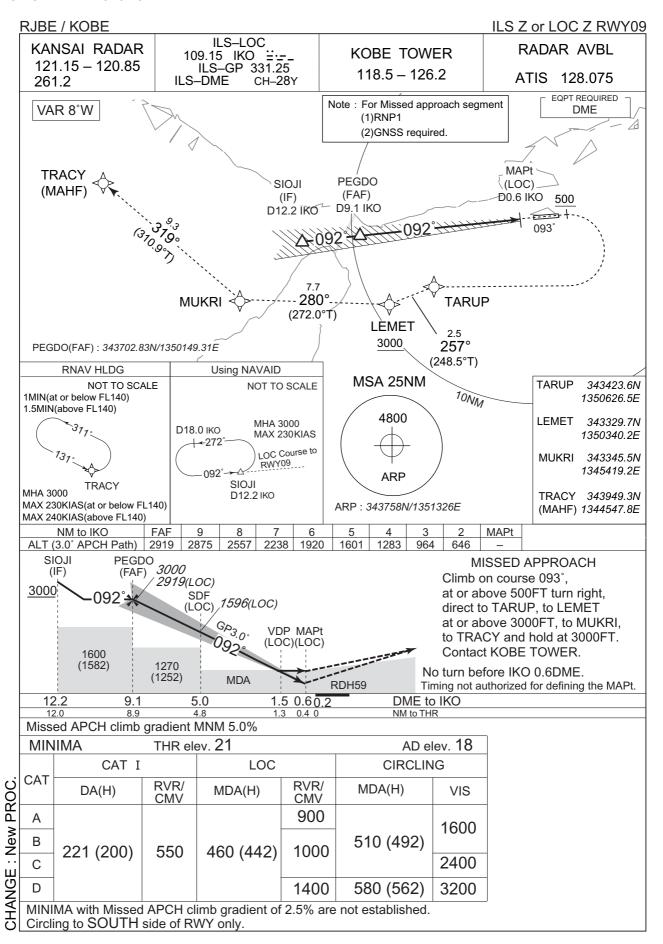
# TRACY ARRIVAL

| Serial<br>Number | Path<br>Descriptor | Waypoint<br>Identifier | Fly<br>Over | Course<br>°M(°T) | Magnetic<br>Variation | Distance<br>(NM) | Turn<br>Direction | Altitude<br>(FT) | Speed<br>(KIAS) | Vertical<br>Angle | Navigation<br>Specification |
|------------------|--------------------|------------------------|-------------|------------------|-----------------------|------------------|-------------------|------------------|-----------------|-------------------|-----------------------------|
| 001              | IF                 | TRACY                  | ı           | 1                | -8.2                  | 1                | 1                 | 1                | _               | -                 | RNP1                        |
| 002              | TF                 | SIOJI                  | -           | 115<br>(106.7)   | -8.2                  | 10.6             | _                 | +3000            | -240            | ı                 | RNP1                        |

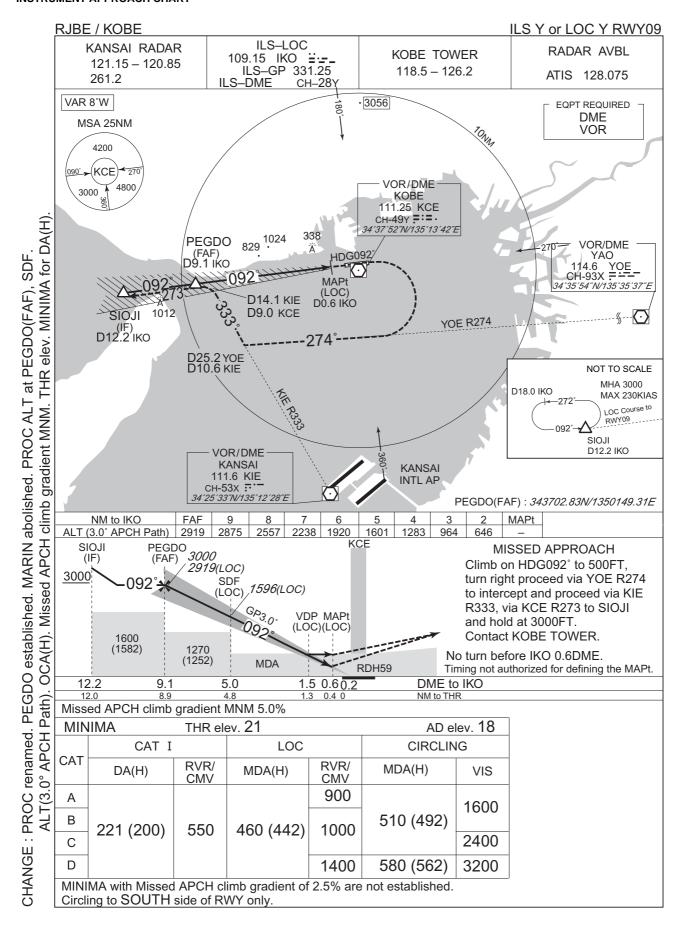
| Path | Waypoint<br>Identifier | Inbound<br>Course<br>°M(°T) | Magnetic<br>Variation | Outbound<br>Time<br>(MIN)  | Turn<br>Direction | Minimum<br>Altitude<br>(FT) | Maximum<br>Altitude<br>(FT) | Speed<br>(KIAS)              | Navigation<br>Specification |
|------|------------------------|-----------------------------|-----------------------|----------------------------|-------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|
| Hold | TRACY                  | 131<br>(123.1)              | -8.2                  | 1.0(-14000)<br>1.5(+14001) | L                 | 3000                        | _                           | -230(-14000)<br>-240(+14001) | RNP1                        |

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |  |  |
|---------------------|------------------------|---------------------|------------------------|--|--|
| AVKUL               | 343135.4N / 1340338.7E | SIOJI               | 343645.2N / 1345808.8E |  |  |
| TRACY               | 343949.3N / 1344547.8E |                     |                        |  |  |

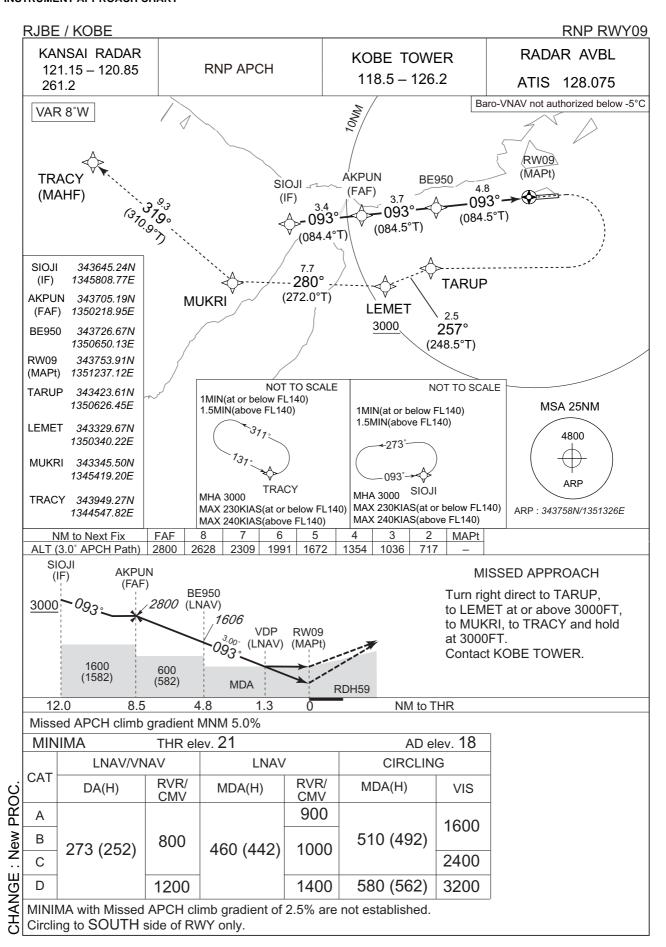
#### **INSTRUMENT APPROACH CHART**



#### **INSTRUMENT APPROACH CHART**



#### **INSTRUMENT APPROACH CHART**







※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  |  |  |
|---------------------------------------|---------------------|--|--|--|
| ーノ谷<br>Ichinotani                     | 276°T / 5.5NM       | JR須磨駅<br>JR Station                                    |  |  |
| 名谷<br>Myodani                         | 294°T / 7.0NM       | 神戸市営西神・山手線名谷駅<br>Station                               |  |  |
| 長田<br>Nagata                          | 291°T / 4.2NM       | JR新長田駅<br>JR Station                                   |  |  |
| 和田岬<br>Wadamisaki                     | 304°T / 2.2NM       | 岬<br>Cape  |  |  |
| 布引<br>Nunobiki                        | 342°T / 4.8NM       | 布引公園<br>Park   |  |  |
| 灘浜<br>Nadahama                        | 359°T / 3.8NM       | ハーバーハイウェイ摩耶ランプ<br>Ramp                                 |  |  |
| ポートアイランド<br>Port Island               | 012°T / 2.0NM       | ポートアイランド南埠頭<br>Southern Warf of Port Island            |  |  |
| ☆ 六甲アイランド<br>Kokko Island             | 047°T / 4.4NM       | 六甲アイランド南東端<br>Southern Edge of Rokko Island            |  |  |
|                                       | 038°T / 6.0NM       | 阪神高速5号湾岸線 深江浜インターチェンジ<br>Interchange                   |  |  |
| 深江<br>Pukae<br>イーストポイント<br>East Point | 053°T / 7.2NM       | 西宮ヨットハーバー防波堤<br>Breakwater of Nishinomiya Yacht Harbor |  |  |

