

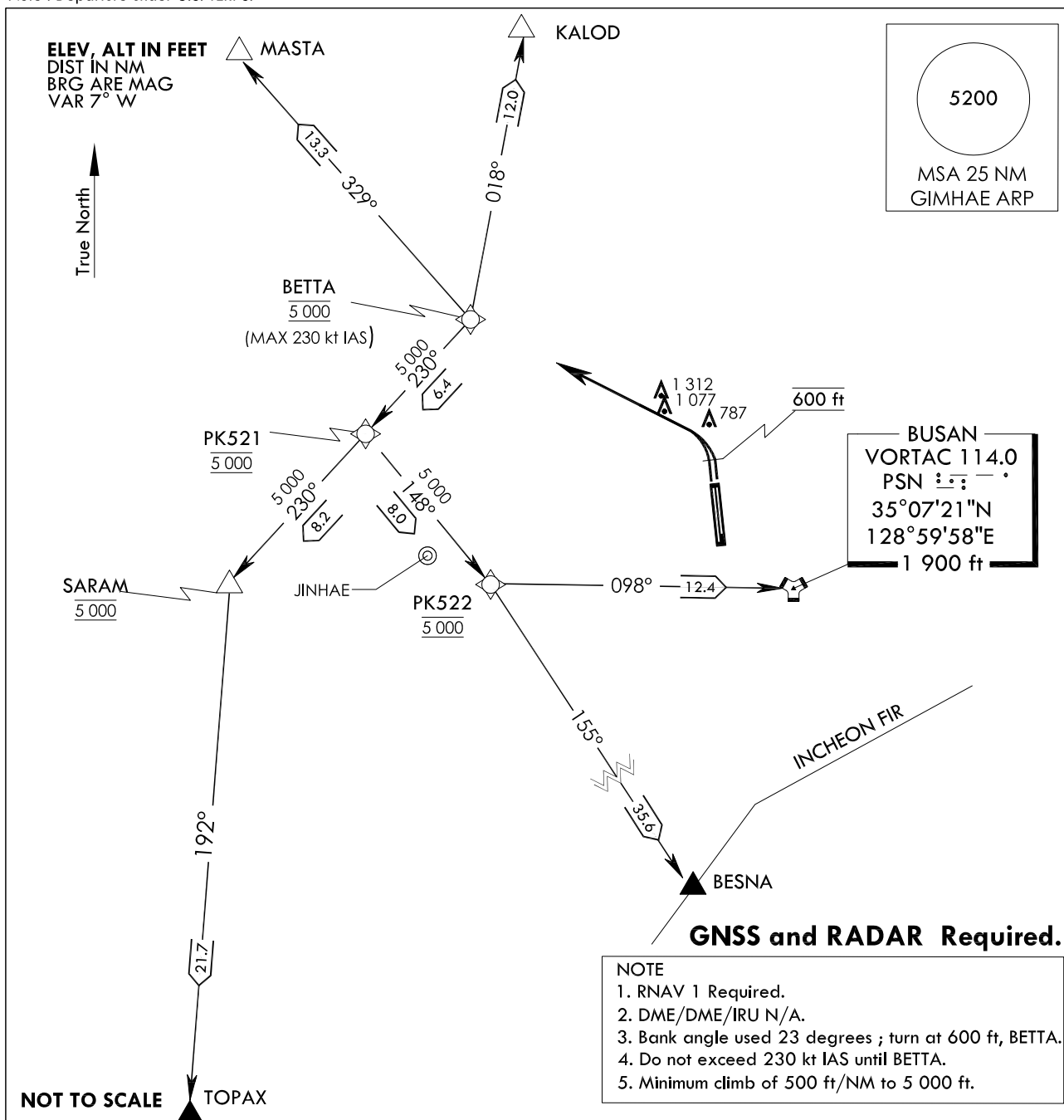
**STANDARD DEPARTURE  
CHART - INSTRUMENT(SID)**

TRANSITION ALT 14 000  
TRANSITION LVL FL 140

GIMHAE DEP 125.5  
363.8  
GIMHAE TWR 118.1  
118.450

**BUSAN/Gimhae Intl(RKPK)**  
**RWY 36L/R**  
**RNAV(GNSS) BETTA 2**

Note : Departure under U.S. TERPS.



**DEPARTURE PROCEDURE DESCRIPTION**

**BETTA 2 DEPARTURE**

RWY 36L/R : Climb HDG 001° to 600 ft then direct to cross BETTA at 5 000 ft, thence.....  
..... via (TRANSITIONS routes) and climb assigned altitude by ATC.

**KALOD transition** : From BETTA on track 018° to KALOD  
**MASTA transition** : From BETTA on track 329° to MASTA  
**TOPAX transition** : From BETTA on track 230° to cross PK521 at 5 000 ft, then track 230° to cross SARAM at 5 000 ft, then track 192° to TOPAX.  
**BESNA transition** : From BETTA on track 230° to cross PK521 at 5 000 ft, then on track 148° to cross PK522 at 5 000 ft, then on track 155° to BESNA.  
**BUSAN (PSN) transition** : From BETTA on track 230° to cross PK521 at 5 000 ft, then track 148° to cross PK522 at 5 000 ft, then track 098° to BUSAN(PSN).

Change : Amended phrase(KALDO → KALOD).

## AERONAUTICAL DATA TABULATION

## Standard Instrument Departure Procedure Coding Tables

## Departure Route - RWY 36R

| Serial Number | Path Descriptor | Waypoint Identifier | Fly-over | Course/Track<br>°M(°T) | Distance<br>(NM) | Turn direction | Altitude<br>(ft) | Speed<br>(kt) | Coordinates                  | VPA/<br>TCH | Navigation specification | Remarks                  |
|---------------|-----------------|---------------------|----------|------------------------|------------------|----------------|------------------|---------------|------------------------------|-------------|--------------------------|--------------------------|
| 001           | -               | RWY 18L             | -        | -                      | -                | -              | -                | -             | 35°11'38.60"N 128°56'14.73"E | -           | RNAV 1                   | DER                      |
| 002           | VA              | -                   | -        | 001.42(353.95)         | -                | -              | @600             | -230          | -                            | -           | RNAV 1                   | CG 500 ft/NM to 5 000 ft |
| 003           | DF              | BETTA               | -        | -                      | -                | -              | @5 000           | -230          | 35°18'24.2"N 128°43'46.2"E   | -           | RNAV 1                   | -                        |

## Departure Route - RWY 36L

| Serial Number | Path Descriptor | Waypoint Identifier | Fly-over | Course/Track<br>°M(°T) | Distance<br>(NM) | Turn direction | Altitude<br>(ft) | Speed<br>(kt) | Coordinates                  | VPA/<br>TCH | Navigation specification | Remarks                  |
|---------------|-----------------|---------------------|----------|------------------------|------------------|----------------|------------------|---------------|------------------------------|-------------|--------------------------|--------------------------|
| 001           | -               | RWY 18R             | -        | -                      | -                | -              | -                | -             | 35°11'37.94"N 128°56'06.46"E | -           | RNAV 1                   | DER                      |
| 002           | VA              | -                   | -        | 001.42(353.95)         | -                | -              | @600             | -230          | -                            | -           | RNAV 1                   | CG 500 ft/NM to 5 000 ft |
| 003           | DF              | BETTA               | -        | -                      | -                | -              | @5 000           | -230          | 35°18'24.2"N 128°43'46.2"E   | -           | RNAV 1                   | -                        |

## RNAV BETTA 2 - BUSAN(PNSN VORTAC) Transition

| Serial Number | Path Descriptor | Waypoint Identifier | Fly-over | Course/Track<br>°M(°T) | Distance<br>(NM) | Turn direction | Altitude<br>(ft) | Speed<br>(kt) | Coordinates                | VPA/<br>TCH | Navigation specification | Remarks    |
|---------------|-----------------|---------------------|----------|------------------------|------------------|----------------|------------------|---------------|----------------------------|-------------|--------------------------|------------|
| 001           | TF              | PK521               | -        | 229.87(222.40)         | 6.36             | -              | @5 000           | -             | 35°13'42.0"N 128°38'32.2"E | -           | RNAV 1                   | -          |
| 002           | TF              | PK522               | -        | 147.69(140.22)         | 8.04             | -              | @5 000           | -             | 35°07'30.3"N 128°44'48.6"E | -           | RNAV 1                   | -          |
| 003           | TF              | BUSAN               | -        | 098.07(090.60)         | 12.44            | -              | +5 000           | -             | 35°07'21.5"N 128°59'58.5"E | -           | RNAV 1                   | PSN VORTAC |

## RNAV BETTA 2 - BESNA Transition

| Serial Number | Path Descriptor | Waypoint Identifier | Fly-over | Course/Track<br>°M(°T) | Distance<br>(NM) | Turn direction | Altitude<br>(ft) | Speed<br>(kt) | Coordinates                | VPA/<br>TCH | Navigation specification | Remarks |
|---------------|-----------------|---------------------|----------|------------------------|------------------|----------------|------------------|---------------|----------------------------|-------------|--------------------------|---------|
| 001           | TF              | PK521               | -        | 229.87(222.40)         | 6.36             | -              | @5 000           | -             | 35°13'42.0"N 128°38'32.2"E | -           | RNAV 1                   | -       |
| 002           | TF              | PK522               | -        | 147.69(140.22)         | 8.04             | -              | @5 000           | -             | 35°07'30.3"N 128°44'48.6"E | -           | RNAV 1                   | -       |
| 003           | TF              | BESNA               | -        | 155.20(147.73)         | 35.62            | -              | +5 000           | -             | 34°37'18.0"N 129°07'51.0"E | -           | RNAV 1                   | -       |

## RNAV BETTA 2 - TOPAX Transition

| Serial Number | Path Descriptor | Waypoint Identifier | Fly-over | Course/Track<br>°M(°T) | Distance<br>(NM) | Turn direction | Altitude<br>(ft) | Speed<br>(kt) | Coordinates                | VPA/<br>TCH | Navigation specification | Remarks |
|---------------|-----------------|---------------------|----------|------------------------|------------------|----------------|------------------|---------------|----------------------------|-------------|--------------------------|---------|
| 001           | TF              | PK521               | -        | 229.87(222.40)         | 6.36             | -              | @5 000           | -             | 35°13'42.0"N 128°38'32.2"E | -           | RNAV 1                   | -       |
| 002           | TF              | SARAM               | -        | 229.82(222.35)         | 8.23             | -              | @5 000           | -             | 35°07'36.3"N 128°31'46.7"E | -           | RNAV 1                   | -       |
| 003           | TF              | TOPAX               | -        | 191.64(184.17)         | 21.71            | -              | +5 000           | -             | 34°45'55.3"N 128°29'51.7"E | -           | RNAV 1                   | -       |

## RNAV BETTA 2 - MASTA Transition

| Serial Number | Path Descriptor | Waypoint Identifier | Fly-over | Course/Track<br>°M(°T) | Distance<br>(NM) | Turn direction | Altitude<br>(ft) | Speed<br>(kt) | Coordinates                | VPA/<br>TCH | Navigation specification | Remarks |
|---------------|-----------------|---------------------|----------|------------------------|------------------|----------------|------------------|---------------|----------------------------|-------------|--------------------------|---------|
| 001           | TF              | MASTA               | -        | 328.96(321.49)         | 13.25            | -              | +5 000           | -             | 35°28'47.0"N 128°33'40.0"E | -           | RNAV 1                   | -       |

## RNAV BETTA 2 - KALOD Transition

| Serial Number | Path Descriptor | Waypoint Identifier | Fly-over | Course/Track<br>°M(°T) | Distance<br>(NM) | Turn direction | Altitude<br>(ft) | Speed<br>(kt) | Coordinates                | VPA/<br>TCH | Navigation specification | Remarks |
|---------------|-----------------|---------------------|----------|------------------------|------------------|----------------|------------------|---------------|----------------------------|-------------|--------------------------|---------|
| 001           | TF              | KALOD               | -        | 017.96(010.49)         | 11.98            | -              | +5 000           | -             | 35°30'12.1"N 128°46'26.5"E | -           | RNAV 1                   | -       |

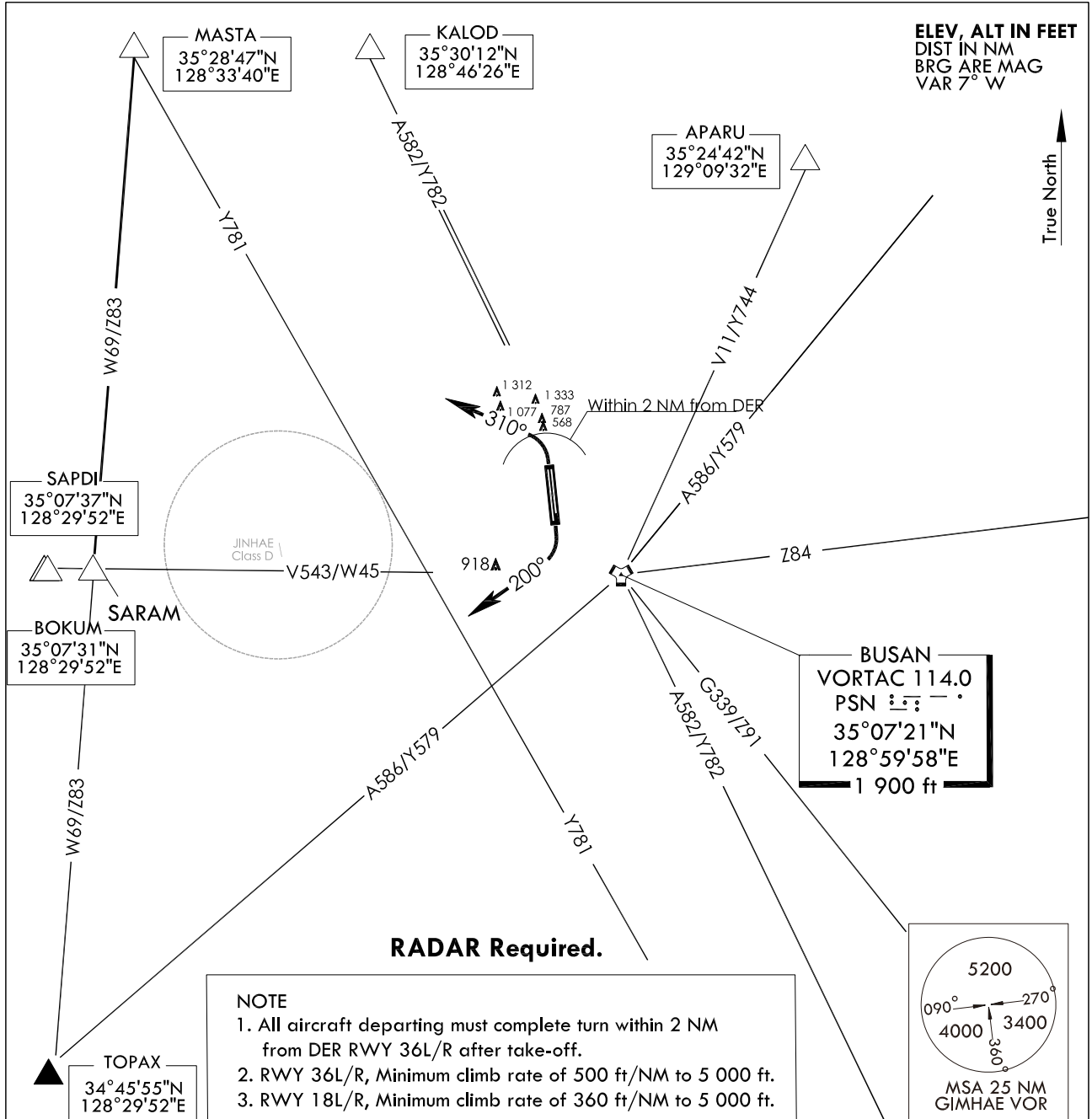
**STANDARD DEPARTURE  
CHART - INSTRUMENT(SID)**

TRANSITION ALT 14 000  
TRANSITION LVL FL 140

GIMHAE DEP 125.5  
363.8  
GIMHAE TWR 118.1  
118.450

**BUSAN/Gimhae Intl(RKPK)**  
**RWY 36L/R**  
**RWY 18L/R**  
**GIMHAE 2**

Note : Departure under U.S. TERPS.



**DEPARTURE ROUTE DESCRIPTION**

**GIMHAE 2 DEPARTURE**

RWY 36L/R : Climb left turn HDG 310°, Thence.....

RWY 18L/R : Climb right turn HDG 200°, Thence.....

.....Expect radar vectors to intercept filed Enroute fix or Navaid.

Maintain 5 000 ft or assigned altitude (flight level).

Expect filed altitude/flight level 10 minutes after departure.

**LOST COMMUNICATIONS** : If radio contact is not established with departure control prior to reaching 5 000 ft, Continue climb to 8 000 ft before turning to filed fix/Navaid and proceed filed route and altitude.

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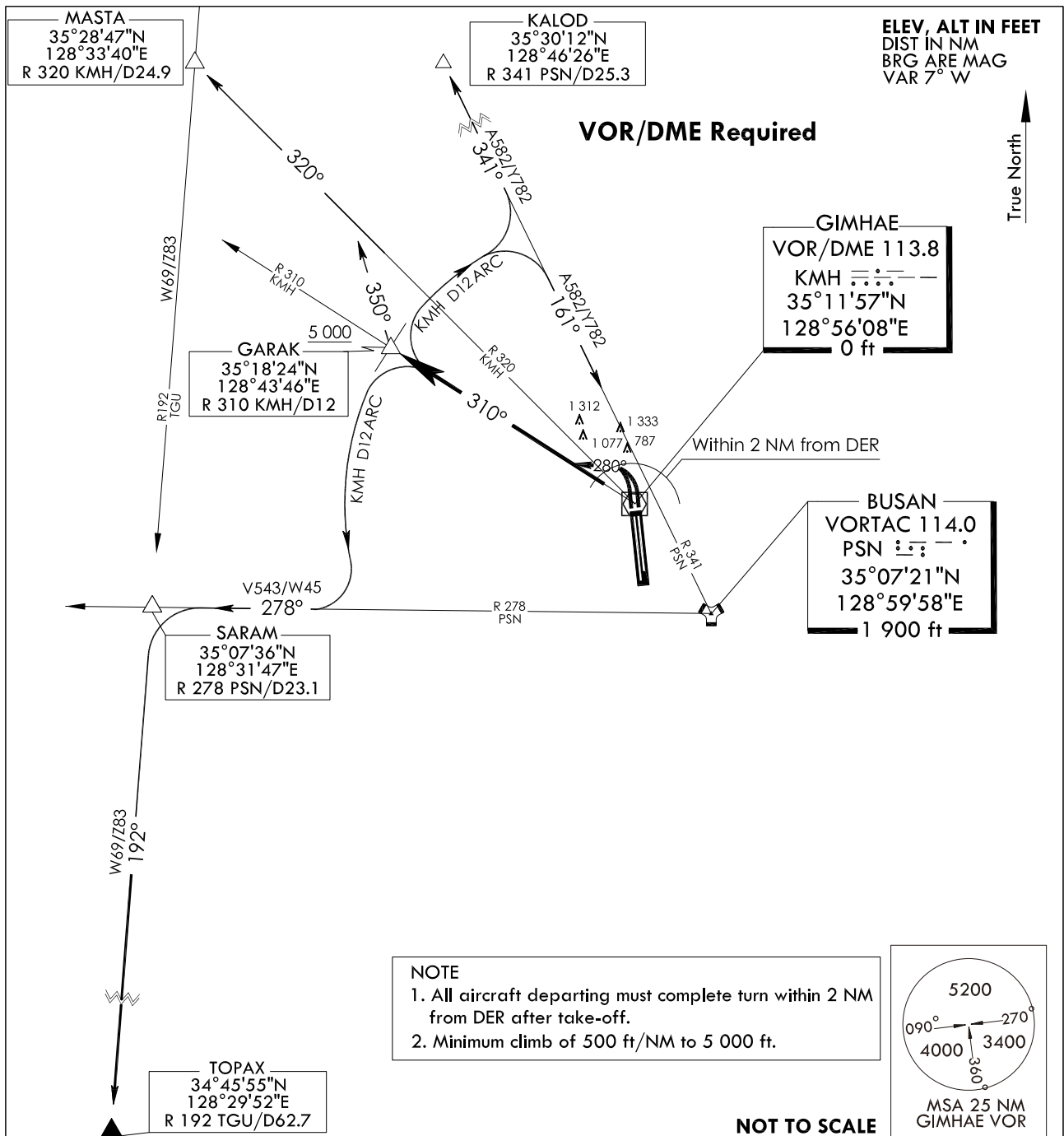
**STANDARD DEPARTURE  
CHART - INSTRUMENT(SID)**

TRANSITION ALT 14 000  
TRANSITION LVL FL 140

GIMHAE DEP 125.5  
363.8  
GIMHAE TWR 118.1  
118.450

**BUSAN/Gimhae Intl(RKPK)**  
**RWY 36L/R**  
**GARAK 3**

Note : Departure under U.S. TERPS.



**DEPARTURE ROUTE DESCRIPTION**

**GARAK 3 DEPARTURE**

**RUNWAY 36L/R :** Climbing left turn HDG 280° to intercept R 310 KMH and R 310 KMH to cross GARAK at or above 5 000 ft. thence.....  
.....via (TRANSITIONS), climb assigned altitude or as directed by ATC.

**KALOD Transition :** Right turn and proceed via KMH 12 DME arc to R 341 PSN, then via R 341 PSN to KALOD.

**BUSAN(PSN) Transition :** Right turn and proceed via KMH 12 DME arc to R 341 PSN, then via R 341 PSN to PSN.

**MASTA Transition :** Right turn HDG 350° to R 320 KMH , then via R 320 KMH to MASTA.

**TOPAX Transition :** Left turn and proceed via KMH 12 DME arc to R 278 PSN, then via R 278 PSN to SARAM, then left turn via R 192 TGU to TOPAX.

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Effective : 1600UTC 5 DEC 2018

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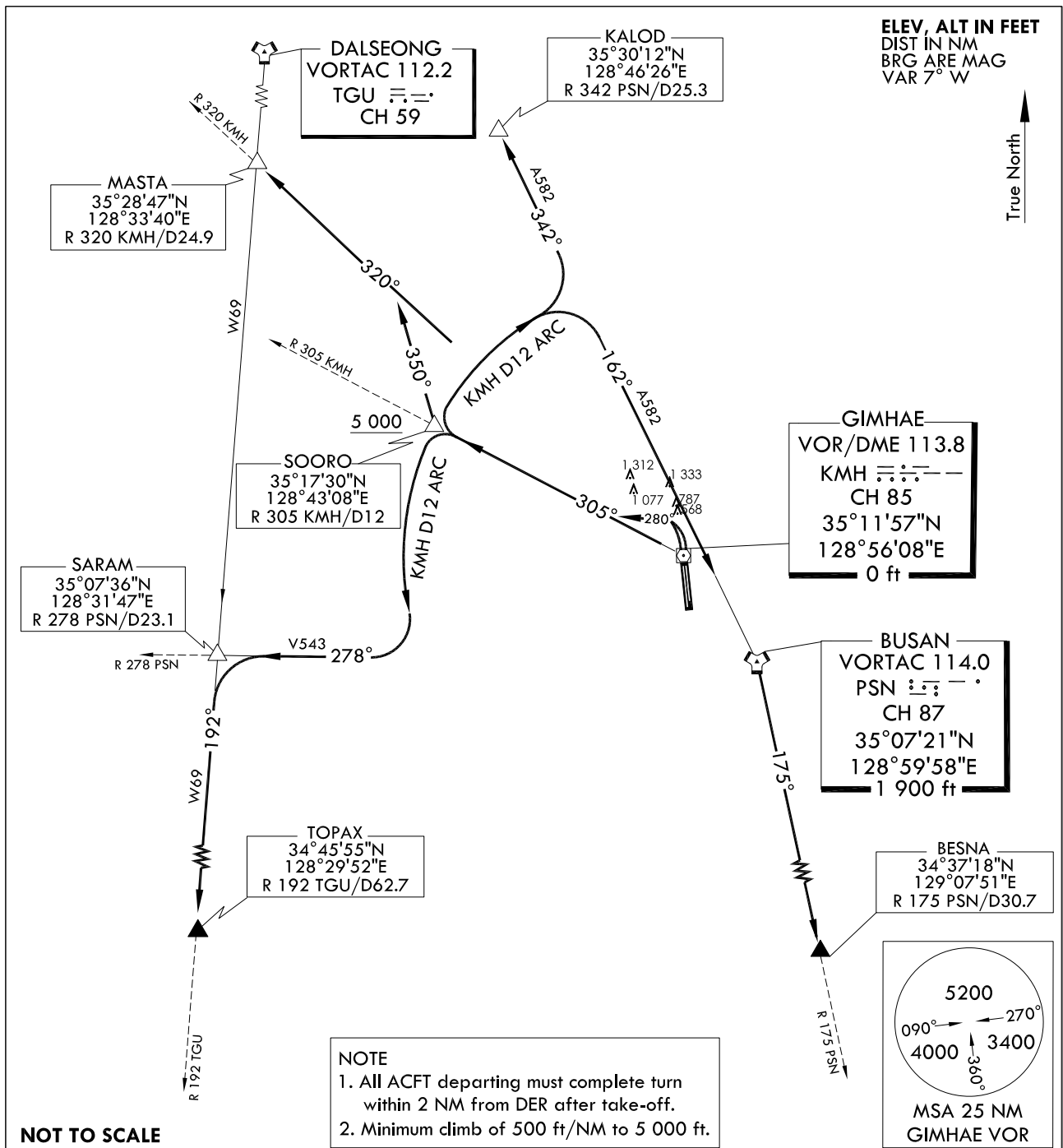
**STANDARD DEPARTURE  
CHART - INSTRUMENT(SID)**

TRANSITION ALT 14 000  
TRANSITION LVL FL 140

GIMHAE DEP 125.5  
363.8  
GIMHAE TWR 118.1  
118.450

**BUSAN/Gimhae Intl(RKPK)**  
**RWY 36L/R**  
**SOORO 1**

Note : Departure under U.S. TERPS.



**DEPARTURE ROUTE DESCRIPTION**

**SOORO 1 DEPARTURE**

**RUNWAY 36L/R :** Climbing left turn as soon as practicable HDG 280° to intercept R 305 KMH and R 305 KMH to cross SOORO at or above 5 000 ft. thence.....  
.....via (TRANSITIONS), climb assigned altitude or as directed by ATC.

**KALOD Transition :** Right turn and proceed via KMH 12 DME arc to R 342 PSN, then via R 342 PSN to KALOD.

**BUSAN(PSN) Transition :** Right turn and proceed via KMH 12 DME arc to R 342 PSN, then via R 342 PSN to PSN.

**MASTA Transition :** Right turn HDG 350° to R 320 KMH , then R 320 KMH to MASTA.

**TOPAX Transition :** Left turn and proceed via KMH 12 DME arc to R 278 PSN, then via R 278 PSN to SARAM, then left turn via R 192 TGU to TOPAX.

**BESNA Transition :** Right turn and proceed via KMH 12 DME arc to R 342 PSN, then via R 342 PSN to PSN, then via R 175 PSN to BESNA.

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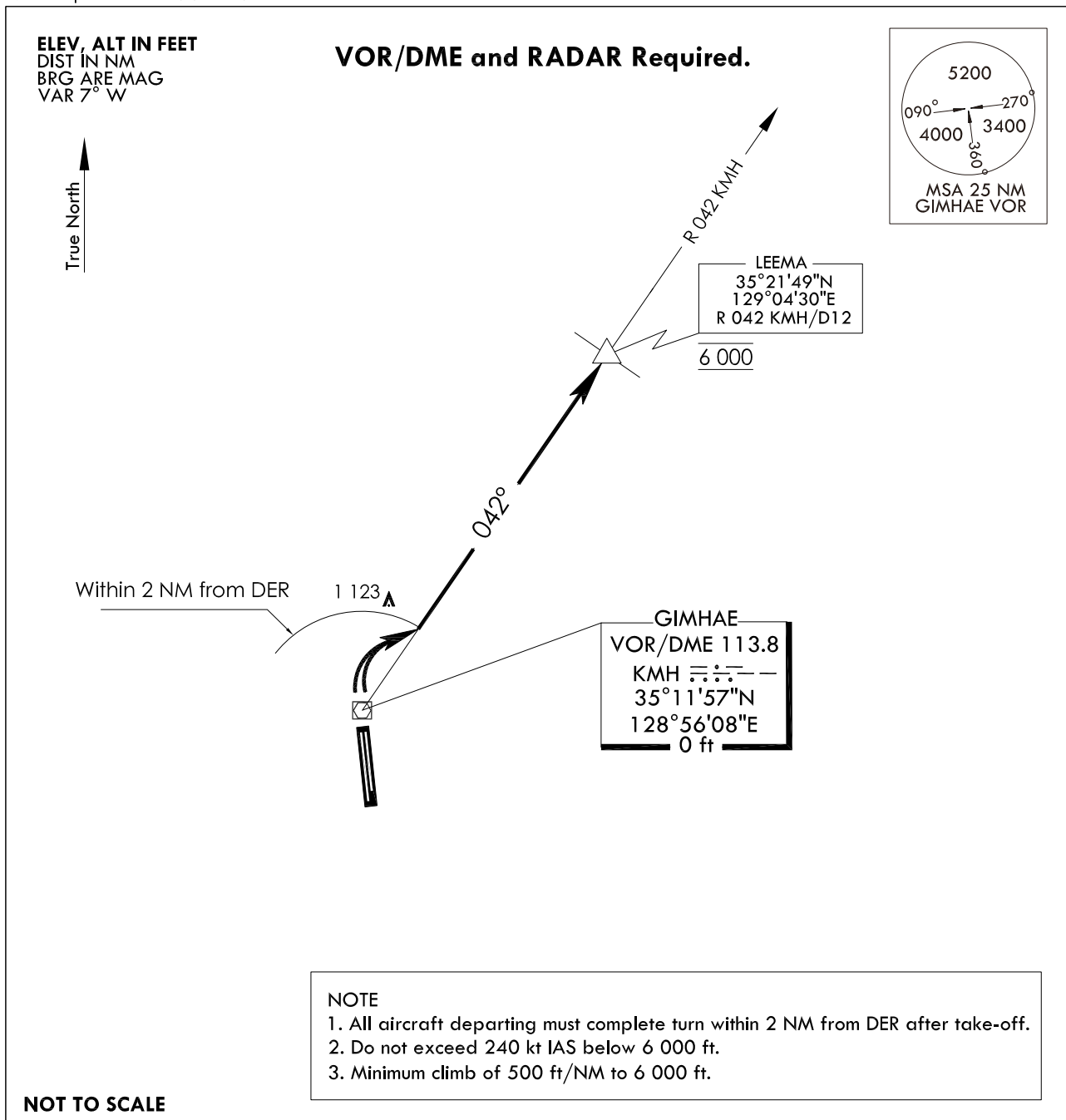
**STANDARD DEPARTURE  
CHART - INSTRUMENT(SID)**

TRANSITION ALT 14 000  
TRANSITION LVL FL 140

GIMHAE DEP 125.5  
363.8  
GIMHAE TWR 118.1  
118.450

**BUSAN/Gimhae Intl(RKPK)**  
**RWY 36L/R**  
**LEEMA 2**

Note : Departure under U.S. TERPS.



**DEPARTURE PROCEDURE DESCRIPTION**

**LEEMA 2 DEPARTURE**

RUNWAY 36L/R : Climbing right turn to intercept R 042 KMH  
and climb to 6 000 ft on R 042 KMH to LEEMA,  
then expect RADAR vector to assigned route and fix.

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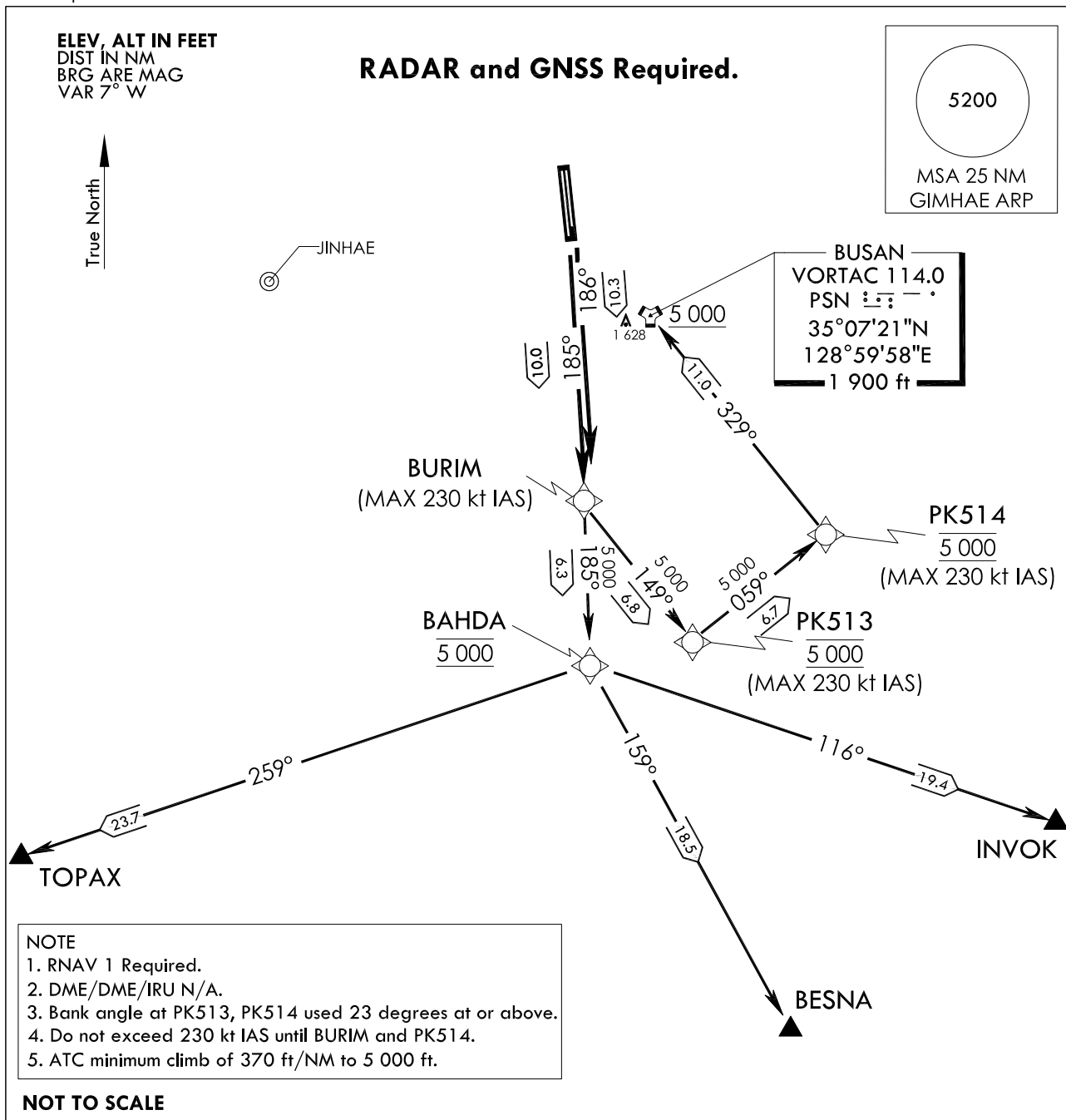
**STANDARD DEPARTURE  
CHART - INSTRUMENT(SID)**

TRANSITION ALT 14 000  
TRANSITION LVL FL 140

GIMHAE DEP 125.5  
363.8  
GIMHAE TWR 118.1  
118.450

**BUSAN/Gimhae Intl(RKPK)**  
**RWY 18L/R**  
**RNAV(GNSS) BURIM 2**

Note : Departure under U.S. TERPS.



**DEPARTURE ROUTE DESCRIPTION**

**BURIM 2 DEPARTURE**

RUNWAY 18R : Climb on course 185° to BURIM, thence.....

RUNWAY 18L : Climb on course 186° to BURIM, thence.....

..... via (TRANSITIONS routes) and climb assigned altitude by ATC.

**TOPAX transition** : From BURIM on track 185° to cross BAHDA at 5 000 ft, then track 259° to TOPAX.

**BESNA transition** : From BURIM on track 185° to cross BAHDA at 5 000 ft, then track 159° to BESNA.

**INVOK transition** : From BURIM on track 185° to cross BAHDA at 5 000 ft, then track 116° to INVOK.

**BUSAN (PSN) transition** : From BURIM on track 149° to cross PK513 at 5 000 ft,  
then track 059° to cross PK514 at 5 000 ft,  
then track 329° to cross BUSAN(PSN) at or above 5 000 ft.

Change : Page control.

BUSAN/Gimhae INTL(RKPK)

RWY 18L/R

RNAV(GNSS) BURIM 2

## AERONAUTICAL DATA TABULATION

## Standard Instrument Departure Procedure Coding Tables

## Departure Route - RWY 18L

| Serial Number | Path Descriptor | Waypoint Identifier | Fly-over | Course/Track<br>°M(°T) | Distance<br>(NM) | Turn direction | Altitude<br>(ft) | Speed<br>(kt) | Coordinates                  | VPA/<br>TCH | Navigation specification | Remarks                  |
|---------------|-----------------|---------------------|----------|------------------------|------------------|----------------|------------------|---------------|------------------------------|-------------|--------------------------|--------------------------|
| 001           | -               | RWY 36R             | -        | -                      | -                | -              | -                | -             | 35°10'10.10"N 128°56'26.14"E | -           | RNAV 1                   | DER                      |
| 002           | CF              | BURIM               | -        | 185.79(178.33)         | 10.29            | -              | -                | -230          | 34°59'52.3"N 128°56'48.1"E   | -           | RNAV 1                   | CG 370 ft/NM to 5 000 ft |

## Departure Route - RWY 18R

| Serial Number | Path Descriptor | Waypoint Identifier | Fly-over | Course/Track<br>°M(°T) | Distance<br>(NM) | Turn direction | Altitude<br>(ft) | Speed<br>(kt) | Coordinates                  | VPA/<br>TCH | Navigation specification | Remarks                  |
|---------------|-----------------|---------------------|----------|------------------------|------------------|----------------|------------------|---------------|------------------------------|-------------|--------------------------|--------------------------|
| 001           | -               | RWY 36L             | -        | -                      | -                | -              | -                | -             | 35°09'54.69"N 128°56'19.79"E | -           | RNAV 1                   | DER                      |
| 002           | CF              | BURIM               | -        | 185.25(177.79)         | 10.03            | -              | -                | -230          | 34°59'52.3"N 128°56'48.1"E   | -           | RNAV 1                   | CG 370 ft/NM to 5 000 ft |

## RNAV BURIM 2 - TOPAX Transition

| Serial Number | Path Descriptor | Waypoint Identifier | Fly-over | Course/Track<br>°M(°T) | Distance<br>(NM) | Turn direction | Altitude<br>(ft) | Speed<br>(kt) | Coordinates                | VPA/<br>TCH | Navigation specification | Remarks                  |
|---------------|-----------------|---------------------|----------|------------------------|------------------|----------------|------------------|---------------|----------------------------|-------------|--------------------------|--------------------------|
| 001           | TF              | BAHDA               | -        | 185.24(177.77)         | 6.27             | -              | @5 000           | -             | 34°53'34.4"N 128°57'05.8"E | -           | RNAV 1                   | CG 370 ft/NM to 5 000 ft |
| 002           | TF              | TOPAX               | -        | 258.78(251.31)         | 23.69            | -              | +5 000           | -             | 34°45'55.3"N 128°29'51.7"E | -           | RNAV 1                   | -                        |

## RNAV BURIM 2 - BESNA Transition

| Serial Number | Path Descriptor | Waypoint Identifier | Fly-over | Course/Track<br>°M(°T) | Distance<br>(NM) | Turn direction | Altitude<br>(ft) | Speed<br>(kt) | Coordinates                | VPA/<br>TCH | Navigation specification | Remarks                  |
|---------------|-----------------|---------------------|----------|------------------------|------------------|----------------|------------------|---------------|----------------------------|-------------|--------------------------|--------------------------|
| 001           | TF              | BAHDA               | -        | 185.24(177.77)         | 6.27             | -              | @5 000           | -             | 34°53'34.4"N 128°57'05.8"E | -           | RNAV 1                   | CG 370 ft/NM to 5 000 ft |
| 002           | TF              | BESNA               | -        | 158.81(151.34)         | 18.51            | -              | +5 000           | -             | 34°37'18.0"N 129°07'51.0"E | -           | RNAV 1                   | -                        |

## RNAV BURIM 2 - INVOK Transition

| Serial Number | Path Descriptor | Waypoint Identifier | Fly-over | Course/Track<br>°M(°T) | Distance<br>(NM) | Turn direction | Altitude<br>(ft) | Speed<br>(kt) | Coordinates                | VPA/<br>TCH | Navigation specification | Remarks                  |
|---------------|-----------------|---------------------|----------|------------------------|------------------|----------------|------------------|---------------|----------------------------|-------------|--------------------------|--------------------------|
| 001           | TF              | BAHDA               | -        | 185.24(177.77)         | 6.27             | -              | @5 000           | -             | 34°53'34.4"N 128°57'05.8"E | -           | RNAV 1                   | CG 370 ft/NM to 5 000 ft |
| 002           | TF              | INVOK               | -        | 116.21(108.75)         | 19.38            | -              | +5 000           | -             | 34°47'19.0"N 129°19'23.0"E | -           | RNAV 1                   | -                        |

## RNAV BURIM 2 - PSN(VORTAC) Transition

| Serial Number | Path Descriptor | Waypoint Identifier | Fly-over | Course/Track<br>°M(°T) | Distance<br>(NM) | Turn direction | Altitude<br>(ft) | Speed<br>(kt) | Coordinates                | VPA/<br>TCH | Navigation specification | Remarks                  |
|---------------|-----------------|---------------------|----------|------------------------|------------------|----------------|------------------|---------------|----------------------------|-------------|--------------------------|--------------------------|
| 001           | TF              | PK513               | -        | 148.71(141.24)         | 6.83             | -              | @5 000           | -230          | 34°54'32.3"N 129°01'59.8"E | -           | RNAV 1                   | CG 370 ft/NM to 5 000 ft |
| 002           | TF              | PK514               | -        | 058.76(051.29)         | 6.71             | -              | @5 000           | -230          | 34°58'44.3"N 129°08'22.2"E | -           | RNAV 1                   | -                        |
| 003           | TF              | PSN                 | -        | 328.82(321.35)         | 11.03            | -              | +5 000           | -             | 35°07'21.5"N 128°59'58.5"E | -           | RNAV 1                   | VORTAC                   |

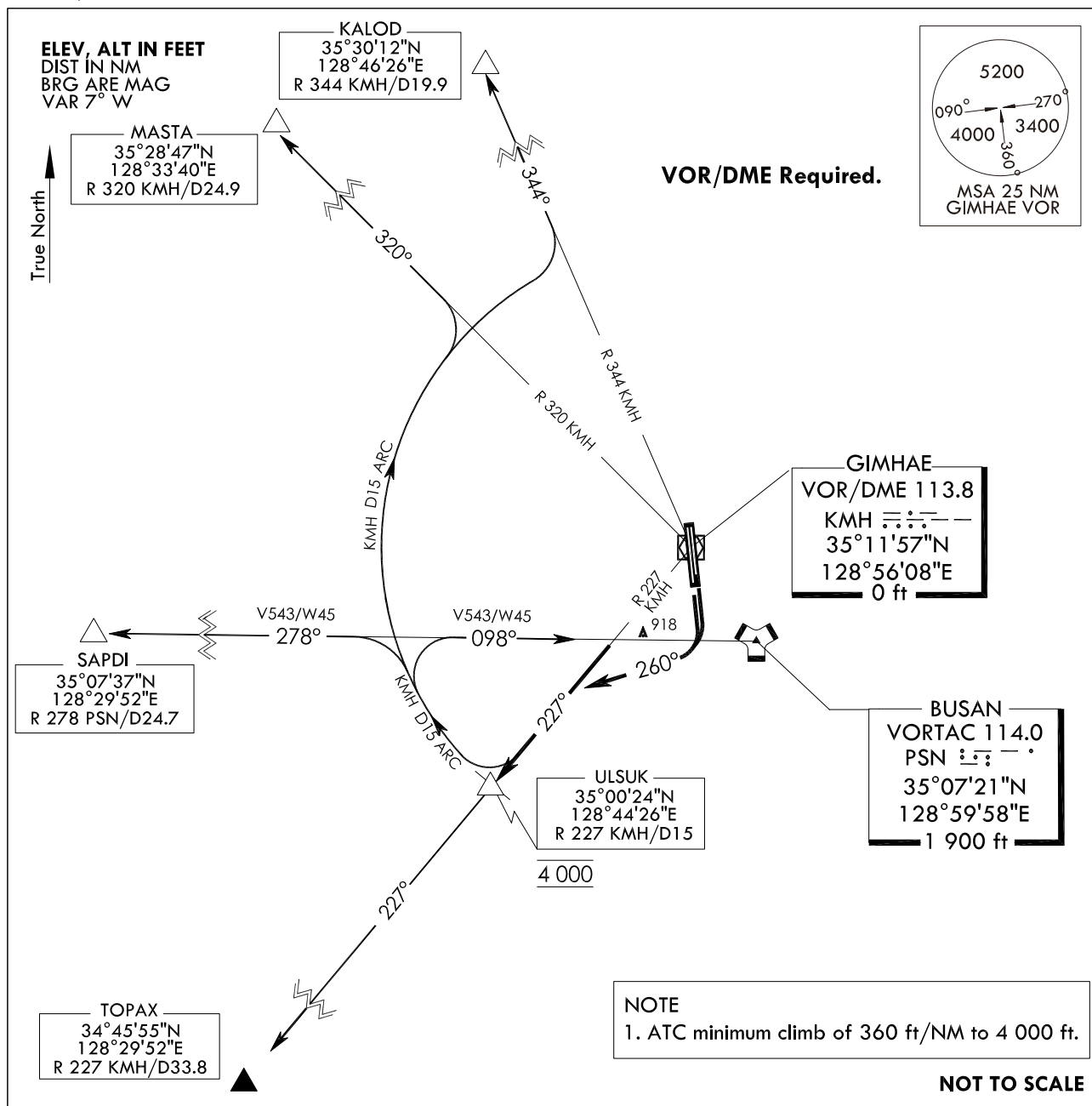
**STANDARD DEPARTURE  
CHART - INSTRUMENT(SID)**

TRANSITION ALT 14 000  
TRANSITION LVL FL 140

GIMHAE DEP 125.5  
363.8  
GIMHAE TWR 118.1  
118.450

**BUSAN/Gimhae Intl(RKPK)**  
**RWY 18L/R**  
**ULSUK 3**

Note : Departure under U.S. TERPS.



**DEPARTURE PROCEDURE DESCRIPTION**

**ULSUK 3 DEPARTURE**

**RUNWAY 18L/R :** Climbing right turn HDG 260° to intercept R 227 KM/D15 and climbing 4 000 ft on R 227 KM/D15 to ULSUK, thence.....  
.....via (TRANSITION), climb assigned altitude or as directed by ATC.

**KALOD transition :** Right turn and proceed via KM/D15 arc to R 344 KM/D19.9, then via R 344 KM/D19.9 to KALOD.

**MASTA transition :** Right turn and proceed via KM/D15 arc to R 320 KM/D24.9, then via R 320 KM/D24.9 to MASTA.

**SAPDI transition :** Right turn and proceed via KM/D15 arc to R 278 PSN, then via R 278 PSN to SAPDI.

**BUSAN (PSN) transition :** Right turn and proceed via KM/D15 arc to R 278 PSN, then via R 278 PSN to BUSAN (PSN).

**TOPAX transition :** R 227 KM/D33.8 to TOPAX.

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**AIRAC AIP AMDT 11/18**  
**Effective : 1600UTC 5 DEC 2018**

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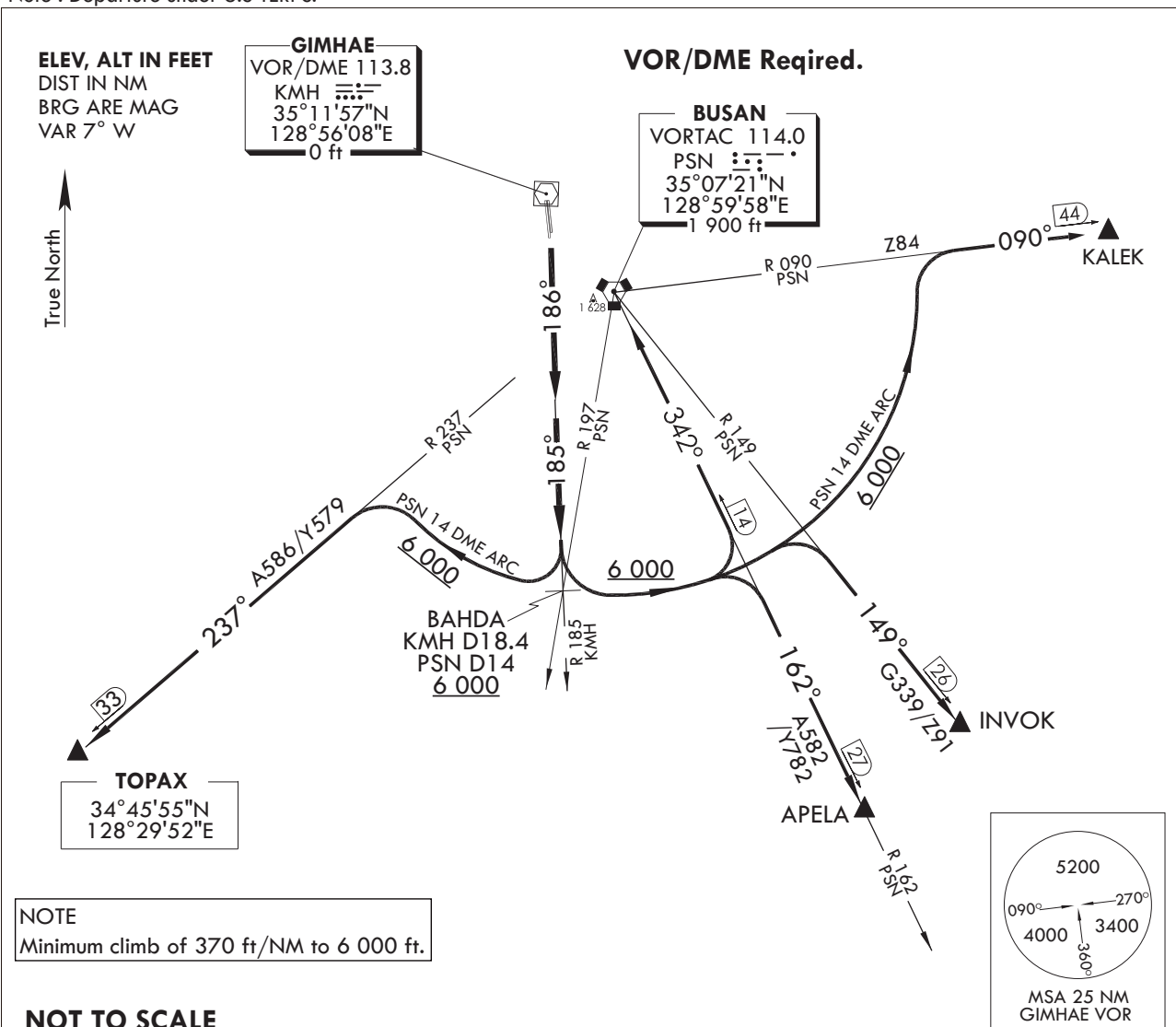
STANDARD DEPARTURE CHART  
INSTRUMENT (SID)

TRANSITION ALT 14 000  
TRANSITION LVL FL 140

GIMHAE DEP 125.5 363.8  
GIMHAE TWR 118.1 233.3  
118.450 236.6

BUSAN/Gimhae INTL(RKPK)  
RWY 18L/R  
BAHDA 1

Note : Departure under U.S TERPS.



DEPARTURE ROUTE DESCRIPTION

**BAHDA 1 DEPARTURE**

RUNWAY 18L/R : Climb 6 000 ft via HDG 186° to intercept R 185 KMH to cross BAHDA at or above 6 000 ft, then via(TRANSITION routes) and climb assigned altitude by ATC.

**KALEK transition** : Left turn and proceed via the PSN D14 ARC to intercept R 090 PSN then R 090 PSN to KALEK.

**INVOK transition** : Left turn and proceed via the PSN D14 ARC to intercept R 149 PSN then R 149 PSN to INVOK.

**APELA transition** : Left turn and proceed via the PSN D14 ARC to intercept R 162 PSN then R 162 PSN to APELA.

**BUSAN(VORTAC) transition** : Left turn and proceed via the PSN D14 ARC to intercept R 162 PSN then R 162 PSN to BUSAN VORTAC(PSN).

**TOPAX transition** : Right turn and proceed via the PSN D14 ARC to intercept R 237 PSN then R 237 PSN to TOPAX.

Change : Page control.

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