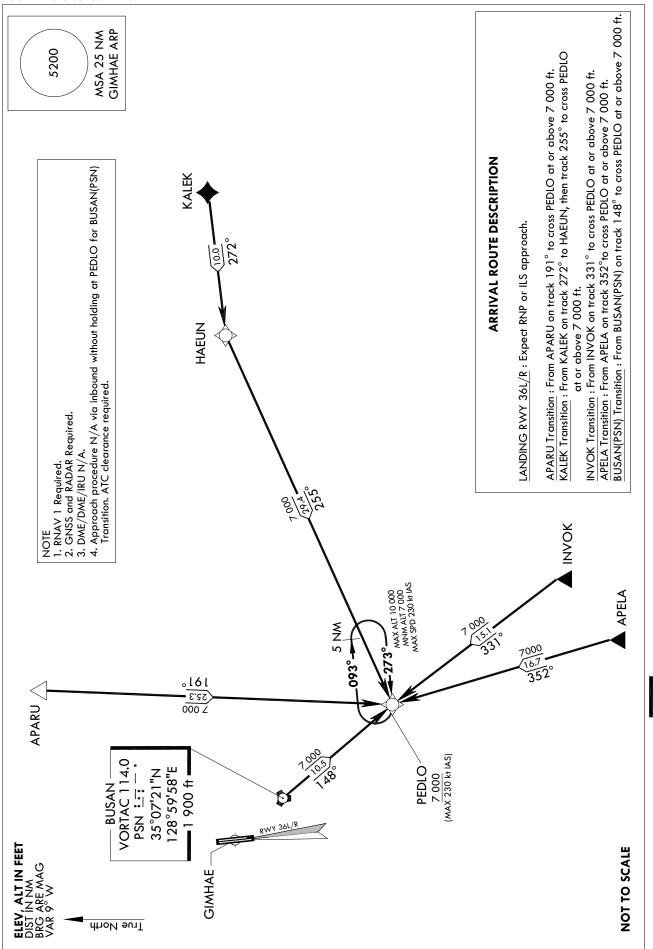
STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO

TRANSITION ALT 14 000 TRANSITION LVL FL 140

GIMHAE APP 125.5 364.0 GIMHAE TWR 118.1 118.45 233.3 236.6 BUSAN/Gimhae Intl(RKPK) RWY 36L/R RNAV(GNSS) PEDLO 1

Note: Arrival under U.S. TERPS.



# BUSAN/Gimhae INTL(RKPK) RWY 36L/R RNAV(GNSS) PEDLO 1

#### **AERONAUTICAL DATA TABULATION**

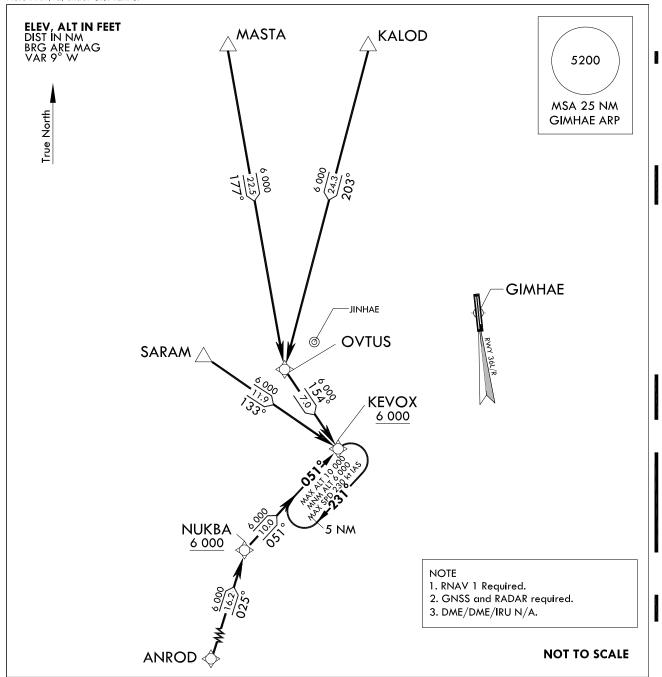
																					Remarks	
Remarks				Remarks					Remarks				Remarks				Remarks		1			
	:																				Navigation specification	
Navigation	RNAV 1	RNAV 1		Navigation specification	RNAV 1	RNAV 1	RNAV 1		Navigation specification	RNAV 1	RNAV 1		Navigation specification	RNAV 1	RNAV 1		Navigation specification	RNAV 1	RNAV 1		VPA/ TCH	
VPA/				VPA/ TCH			1		VPA/ TCH				VPA/ TCH				VPA/ TCH	ı				3'15.3"E
Coordinates	35°24'42.1"N 129°09'32.1"E	34°59'23.1"N 129°08'15.3"E		Coordinates	35°12'32.0"N 129°53'05.0"E	35°11'23.8"N 129°40'57.4"E	34°59'23.1"N 129°08'15.3"E		Coordinates	34°47'19.0"N 129°19'23.0"E	34°59'23.1"N 129°08'15.3"E		Coordinates	34°43'23.0"N 129°14'00.0"E	34°59'23.1"N 129°08'15.3"E		Coordinates	35°07'21.5"N 128°59'58.5"E	34°59'23.1"N 129°08'15.3"E		Coordinates	34°59'23.1"N 129°08'15.3"E
	35°24'	34°59"			35°12";	35°11";	34°59″			34°47	34°59"		0	34°43";	34°59″			35°07"	34°59';		Speed (kt)	-230
Speed (kt)		-230		Speed (kt)			-230		Speed (kt)		-230		Speed (kt)		-230		Speed (kt)		-230		Altitude (ft)	-10 000
Altitude (ft)		+7 000		Altitude (ft)			+7 000		Altitude (ft)		+7 000		Altitude (ft)		+7 000		Altitude (ft)		+7 000	-	Turn	~
Turn				Turn					Turn direction				Turn direction				Turn			-	Distance (NM)	5
Distance (NM)		25.30		Distance (NM)		10.00	29.39		Distance (NM)		15.13		Distance (NM)		16.66		Distance (NM)		10.47		urse/Track °M(°T)	272.75(264.23)
Course/Track		190.90(182.38)		Course/Track °M(°T)		272.06(263.54)	254.60(246.08)		Course/Track °M(°T)		331.35(322.83)		Course/Track °M(°T)		352.06(343.54)		Waypoint Fly- Course/Track Identifier over		147.98(139.46)	-	Waypoint Fly- Course/Track Identifier over °M(°T)	
Fly- C		-	۔	Fly- C	,	. 2	- 73	_	Fly- C	,	,		Fly- C		ਲੰ	nsition	Fly- C		- 1		Wayp Identif	PEDLO
Waypoint Fly-	APARU	PEDLO	:K Transition	Waypoint Identifier	KALEK	HAEUN	PEDLO	)K Transitio	Waypoint Identifier	INVOK	PEDLO	.A Transitior	Waypoint Fly- Identifier over	APELA	PEDLO	(N(PSN) Tro	Waypoint Identifier	BUSAN(PSN)	PEDLO		Path Descriptor	¥
Path \	. #	F	RNAV PEDLO 1 - KALEK Transition	Path Descriptor	¥	Ľ	Ľ	RNAV PEDLO 1 - INVOK Transition	Path Descriptor	Ħ	Ŧ	RNAV PEDLO 1 - APELA Transition	Path Descriptor	Ħ	¥	RNAV PEDLO 1 - BUSAN(PSN) Transition	Path Descriptor	±	TF	CEDUR	Holding Identification	EDIO 1
Serial		002	NAV PED	Serial Number	100	002	003	NAV PEDI	Serial Number	100	002	NAV PED	Serial Number	100	002	NAV PEDI	Serial Number	100	002	OLDING	Hol	RNAV PEDLO 1

STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO

TRANSITION ALT 14 000 TRANSITION LVL FL 140

GIMHAE APP 125.5 364.0 GIMHAE TWR 118.1 118.45 233.3 236.6 BUSAN/Gimhae Intl(RKPK) RWY 36L/R RNAV(GNSS) KEVOX 3

Note : Arrival under U.S. TERPS.



## **ARRIVAL ROUTE DESCRIPTION**

#### KEVOX 3 ARRIVAL

LANDING RWY 36L/R: Expect RNP or ILS approach.

 $\underline{\text{MASTA Transition}}: \text{From MASTA on track } 177^{\circ} \text{ to OVTUS, then track } 154^{\circ} \text{ to cross KEVOX at or above 6 000 ft.}$ 

 $\underline{\text{KALOD Transition}}$ : From KALOD on track 203° to OVTUS, then track 154° to cross KEVOX at or above 6 000 ft.

 $\underline{\mathsf{SARAM}}$   $\underline{\mathsf{Transition}}$ : From SARAM on track  $133^\circ$  to cross KEVOX at or above 6 000 ft.

ANROD Transition : From ANROD on track  $025^{\circ}$  to NUKBA, then track  $051^{\circ}$  to cross KEVOX at or above 6 000 ft.

## BUSAN/Gimhae INTL(RKPK) RWY 36L/R RNAV(GNSS) KEVOX 3

## **AERONAUTICAL DATA TABULATION**

Tables
Coding
ocedure
ے
Arriva
Instrument
Standard

<u> </u>	Path Descriptor	Serial Path Waypoint Fly- Course, ven Descriptor Identifier over M(	Fly- over	$ \begin{array}{c cccc} Course/Track & Distance & Turn & Altitude & Speed \\ \hline & ^{\circ}M(^{\circ}T) & (NM) & direction & (ft) & (kt) \end{array} $	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/ TCH	VPA/ Navigation TCH specification	Remarks	
100	Ŧ	TF MASTA		1	1	1	ı	ı	35°28'47.0"N 128°33'40.0"E	-	RNAV 1	ı	
002	ΤF	OVTUS		OVTUS - 177.31(168.79) 22.50	22.50		•		35°06'40.3"N 128°39'00.0"E	-	RNAV 1	•	
003	Ľ	KEVOX		KEVOX - 154.39(145.87) 7.01	7.01		+6 000		35°00'51.7"N 128°43'47.2"E	ı	RNAV 1	1	

	Remarks	1		•
	VPA/ Navigation TCH specification	RNAV 1	RNAV 1	RNAV 1
	VPA/ TCH	•	•	ı
	Coordinates	35°30'12.1"N 128°46'26.5"E	35°06'40.3"N 128°39'00.0"E	35°00'51.7"N 128°43'47.2"E
	Speed (kt)	1	ı	
	Altitude (ft)	ı	ı	+6 000
	Turn direction	ì	ı	
	Distance (NM)	1	24.27	7.01
	$ \begin{array}{c cccc} Course/Track & Distance & Turn & Altitude & Speed \\ & \circ M(^{\circ}T) & (NM) & direction & (ff) & (kf) \end{array} $	ı	203.09(194.57) 24.27	154.39(145.87) 7.01
<u>0</u>	Fly- over	1	1	1
LOD Iransit	Waypoint Identifier	KALOD	OVTUS	KEVOX
KNAV KEVOX 3 - KALOD Iransition	Serial Path Waypoint Fly-   Number Descriptor Identifier over	ΤF	TF	TF
KNAV KE	Serial Number	100	002	003

-		-											
TF OVTUS - 203.09(194.57) 24.27			203.09(194.57) 24.27	03.09(194.57) 24.27	24.27			1		35°06'40.3"N 128°39'00.0"E	ı	RNAV 1	-
TF KEVOX - 154.39(145.87) 7.01	-	-	154.39(145.87) 7.01	54.39(145.87) 7.01	7.01		ı	+6 000		35°00'51.7"N 128°43'47.2"E	ı	RNAV 1	•
RNAV KEVOX 3 - SARAM Transition	SARAM Transition	ansition	_										
Serial Path Waypoint Fly- Course/Track Distance Turn Altitude Speed Number Descriptor Identifier over ${}^{\circ}$ Over ${}^{\circ}$ Over ${}^{\circ}$ (NM) direction (ff) (kt)	Waypoint Fly- Course/Track Distance T (NM) dire	oint Fly- Course/Track Distance Tier over "M(°T) (NM) dire	y- Course/Track Distance T er °M(°T) (NM) dire	Course/Track Distance T	Distance T (NM) dire	dire	urn ection	Altitude (ft)	Speed (kt)	Coordinates	VPA/ TCH	VPA/ Navigation TCH specification	Remarks
TF SARAM	SARAM	W	1	1	ı			ı	ı	35°07'36.3"N 128°31'46.7"E		RNAV 1	1
TF KEVOX - 132.79(124.27) 11.94			. 132.79(124.27) 11.94	32.79(124.27) 11.94	11.94			000 9+	,	35°00'51.7"N 128°43'47.2"E	ı	RNAV 1	•

Remarks	ı	ı	•
VPA/ Navigation TCH specification	RNAV 1	RNAV 1	RNAV 1
VPA/ TCH	ı	1	•
Coordinates	34°37'57.66"N 128°29'51.73"E	34°53'27.57"N 128°35'35.03"E	35°00'51.7"N 128°43'47.2"E
Speed (kt)		1	•
Altitude (ft)		000 9+	000 9+
Turn			-
Distance (NM)	ı	16.18	10
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		025.44(016.92) 16.18	050.86(042.34)
1 1 2	ı		
Serial Path Waypoint Fly Number Descriptor Identifier ove	ANROD	NUKBA	KEVOX
Serial Path Waypoint Fly- C Number Descriptor Identifier over	ᄩ	#	TF
Serial Number	100	002	800

HOLDING PROCEDURE	E.												
Holding Identification	Path Descriptor	Waypoint Identifier	Fly- over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/ TCH	Navigation specification	Remarks	
RNAV KEVOX 3	WH	KEVOX		051.05(042.53)	5	R	-10 000 +6 000	-230	35°00'51.7"N 128°43'47.2"E	1	ı	1	

Change : Information of standard instrument arrival procedure for RWY 36L/R.

STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO

TRANSITION ALT 14 000 TRANSITION LVL FL 140 GIMHAE APP 125.5 364.0 GIMHAE TWR 118.1 118.45 233.3 236.6 BUSAN/Gimhae Intl(RKPK) RWY 18L/R RNAV(GNSS) GAYHA 3

Note: Arrival under U.S. TERPS MSA 25 NM GIMHAE ARP ANROD Transition : From ANROD on track 012° to SARAM, then track 050° to cross GAYHA at or above 6 000 ft. 4. Approch procedure N/A via inbound without holding at GAYHA for ANROD Transtion. APARU Transition : From APARU on track 249° to ARECO, then track 271° to cross GAYHA at or above 6 000 ft. 5200 MASTA Transition: From MASTA on track 176° to cross GAYHA at or above 6 000 ft. KALOD Transition: From KALOD on track 211° to cross GAYHA at or above 6 000 ft. then track 271° to cross GAYHA at or above 6 000 ft. **ARRIVAL ROUTE DESCRIPTION** BUSAN(PSN) Transition : From BUSAN(PSN) on track 312° to ARECO, 2. GNSS and RADAR required. **VORTAC 114.0** 128°59'58"E 35°07'21"N ATC clearance required. -1 900 ft BUSAN PSN :: 3. DME/DME/IRU N/A. 1. RNAV 1 Required. LANDING RWY 18 : Expect RNP approach GIMHAE ARECO RWY 36L/R \oserview \cdot \oserview \oserview \cdot \oserview \oserv KALOD -JINHAE 000 9 5:100 176° ANROD 15.8 Jak 1 0000 6000 GAYHA 6 000 0150 9.62 SARAM 000 9 ALT IN FEET NOT TO SCALE True Morth

BUSAN/Gimhae INTL(RKPK) RWY 18L/R RNAV(GNSS) GAYHA 3

# AERONAUTICAL DATA TABULATION

HA 3	RNAV GAYHA 3 - MASTA Transition	Insition								. !			
Path Jescript	Path Waypoint Fly- Descriptor Identifier over	int Fly	r Course/ Irack r %M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coo	Coordinates	VPA/ TCH	Navigation specification		Remarks
۲	MASTA		1	ı	ı	i	ı	35°28'47.0	35°28'47.0"N 128°33'40.0"E		RNAV 1		
¥	САУНА	-	175.80(167.28)	15.77	ı	+6 000	ı	35°13'22.4	35°13'22.4"N 128°37'54.4"E	ı	RNAV 1		
HA 3 -	RNAV GAYHA 3 - KALOD Transition	nsition											
Path Descript	Path Waypoint Fly- Descriptor Identifier over	int Fly.	Course/Track r %M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	80	Coordinates	VPA/ TCH	Navigation specification		Remarks
⊭	KALOD	-		1		1	1	35°30'12.1	35°30'12.1"N 128°46'26.5"E	1	RNAV 1		
TF	САУНА	۱ م	211.13(202.61)	18.19	ı	+6 000	·	35°13'22.4	35°13'22.4"N 128°37'54.4"E	ı	RNAV 1		
HA 3	RNAV GAYHA 3 - APARU Transition	nsition											
Path Descript	Path Waypoint Fly- Descriptor Identifier over	int Fly	Course/Track Distance of (NM)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	80	Coordinates	VPA/ TCH	Navigation specification		Remarks
⊭	APARU	<u> </u>		1				35°24'42.ì	35°24'42.1"N 129°09'32.1"E	ı	RNAV 1		
۲	ARECO	-	249.42(240.90)	21.14	1	1	,	35°14'22.i	35°14'22.1"N 128°46'59.1"E		RNAV 1		
۳	САУНА	4	270.96(262.44)	7.50		000 9+	1	35°13'22.4	35°13'22.4"N 128°37'54.4"E		RNAV 1		
HA 3 -	RNAV GAYHA 3 - BUSAN(PSN) Transition	ط) Tran	sition										
Path Jescript	Path Waypoint Fly- Descriptor Identifier over	int Fly.	Course/Track r °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coo	Coordinates	VPA/ TCH	Navigation specification		Remarks
۴	BUSAN(PSN)	- Ŝ		1	ı	ı	,	35°07'21.5	35°07'21.5"N 128°59'58.5"E		RNAV 1		
۲	ARECO	-	311.90(303.38)	12.74	i	ı	1	35°14'22.1	35°14'22.1"N 128°46'59.1"E	ı	RNAV 1		
⊭	САУНА	-	270.96(262.44)	7.50	Ī	000 9+	1	35°13'22.4	35°13'22.4"N 128°37'54.4"E	ı	RNAV 1		
HA 3 -	RNAV GAYHA 3 - ANROD Transition	nsition											
Path Descriptor	Waypoint Fly- or Identifier over	int Fly	Course/Track Distance on (NM)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	000	Coordinates	VPA/ TCH	Navigation specification		Remarks
⊭	ANROD		•	1		ı	1	34°37'57.66	34°37'57.66"N 128°29'51.73"E		RNAV 1		
۳	SARAM	-	011.56(003.04)	29.64	ı	ı	1	35°07'36.3	35°07'36.3"N 128°31'46.7"E	ı	RNAV 1		
۲	САУНА	-	049.59(041.07)	7.64	1	000 9+	ı	35°13'22.4	35°13'22.4"N 128°37'54.4"E		RNAV 1		
HOLDING PROCEDURE	URE												
Holding Identification	Path Descript	o	Path Waypoint Fly- Co Descriptor Identifier over	Course/Track °M(°T)	Time (min)	Turn	Altitude (ft)	Speed (kt)	Coordinates		VPA/ TCH	Navigation specification	Remarks
C VHV C VVIVO		ļ.	-				-10 000		117 7 1 1 1 0 0 0 0 1 1 4 117 0 0 10 10 10	111, 1 th			

Change : Information of standard instrument arrival procedure for RWY 18L/R.