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. GIMHAE ARP MSA 25 NM 5200 **KALEK transition**: From KALEK on track 271° to HAEUN, then track 254° to PEDLO. BUSAN (PSN) transition: From BUSAN(PSN) on track 147° to PEDLO. **ARRIVAL ROUTE DESCRIPTION** APARU transition: From APARU on track 190° to PEDLO. INVOK transition: From INVOK on track 330° to PEDLO. **APELA transition**: From APELA on track 351° to PEDLO. LANDING RWY 36 : Expect RNAV or ILS approach HAEUN GNSS and RADAR Required.
DME/DME/IRU N/A. 1. RNAV 1 Required. NVOK NOTE: 1000 5 NM <sup>7000</sup> 351° AAX 230 Kt 092°-7 000 190° 1000 APARU 10° (0.5) PEDLO X VORTAC 114.0 28°59'58"E 35°07'21"N ■1 900 ff PSN :: RWY 36L/R **NOT TO SCALE** V, ALT IN FEET I IN NM S ARE MAG GIMHAE True Morth

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

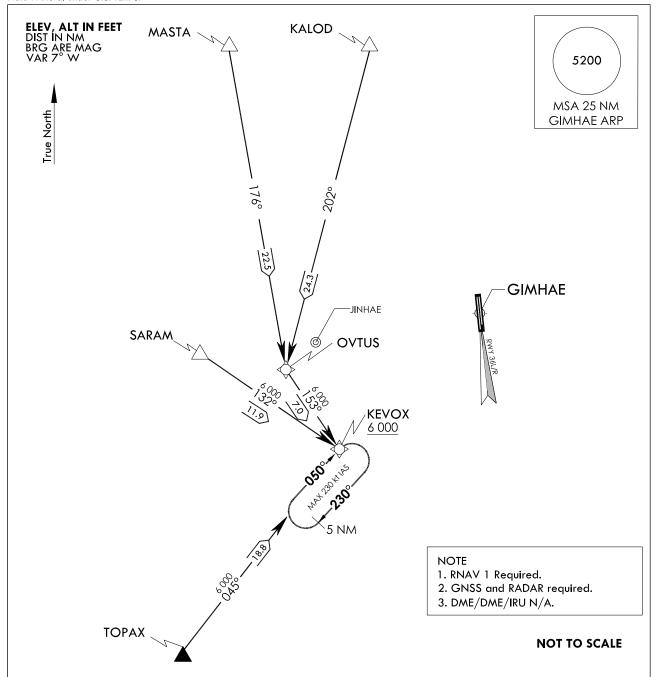
## **AERONAUTICAL DATA TABULATION**

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Serial Number	Path Descriptor	Waypoint Identifier	FFy-	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)		Coordinates	VPA/ TCH	Navigation specification		Remarks
100	¥	APARU		1	ı	1	1	1	35°24	35°24'42.1"N 129°09'32.1"E	1	RNAV 1		ı
002	¥	PEDLO	1	189.85(182.38)	) 25.30	1	+7 000	ı	34°59	34°59'23.1"N 129°08'15.3"E	,	RNAV 1		
\ F	EDLO 1 - K	RNAV PEDLO 1 - KALEK Transition	Hion											
Serial Number	Path Descriptor	Waypoint Fly- Identifier over	Fly- over	Course/Track Distance °M(°T) (NM)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)		Coordinates	VPA/ TCH	Navigation specification		Remarks
100	¥	KALEK	1	1	ı	1	1	1	35°12	35°12'32.0"N 129°53'05.0"E	,	RNAV 1		1
002	Ľ	HAEUN		271.01(263.54)	10.00	1	·		35°11	35°11'23.8"N 129°40'57.4"E	ı	RNAV 1		ı
003	£	PEDLO		253.55(246.08)	29.39	1	+7 000	ı	34°59	34°59'23.1"N 129°08'15.3"E	,	RNAV 1		1
/ PE	DLO 1 - IN	RNAV PEDLO 1 - INVOK Transition	iion											
Serial Number	Path Descriptor	Waypoint Identifier	Fly- over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)		Coordinates	VPA/ TCH	Navigation specification		Remarks
100	¥	NVOK		1	1	1	1	1	34°47	34°47'19.0"N 129°19'23.0"E	,	RNAV 1		
002	¥	PEDLO	ı	330.29(322.83)	15.13	1	+7 000		34°59	34°59'23.1"N 129°08'15.3"E		RNAV 1		
H	EDLO 1 - A	RNAV PEDLO 1 - APELA Transition	ijon											
Serial Number	Path Descriptor	Waypoint Identifier	Fly- over	Course/Track Distance . M(°T) (NM)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)		Coordinates	VPA/ TCH	Navigation specification		Remarks
100	Ħ	APELA		1	ı	1	ı	1	34°43	34°43'23.0"N 129°14'00.0"E	1	RNAV 1		
002	Ŧ	PEDLO		351.01(343.54)	16.66	1	+7 000		34°59	34°59'23.1"N 129°08'15.3"E	1	RNAV 1		
> F	:DLO 1 - B	RNAV PEDLO 1 - BUSAN(PSN) Transition	Tran	sition										
Serial Number	Path Descriptor	Waypoint Identifier	P.Y.	Course/Track "M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)		Coordinates	VPA/ TCH	Navigation specification		Remarks
100	¥	BUSAN(PSN)	-	1	ı	1	1	1	35°07	35°07'21.5"N 128°59'58.5"E		RNAV 1		1
002	±	PEDLO	ı	146.93(139.46)	10.47	ı	+7 000	1	34°59	34°59'23.1"N 129°08'15.3"E		RNAV 1		
] 💆	HOLDING PROCEDURE	RE		-										
- Ref	Holding Identification	Path Descriptor	Vα Mer	Waypoint Fly- Course/T Identifier over °M(°T	ourse/Track °M(°T)	Distance (NM)	Turn	Altitude (ft)	Speed (kt)	Coordinates		VPA/ TCH	Navigation specification	Remarks
			-											

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 2

Note : Arrival under U.S. TERPS.



### **ARRIVAL ROUTE DESCRIPTION**

#### **KEVOX 2 ARRIVAL**

RWY 36L/R: Expect RNAV or ILS approach.

**MASTA** transition: From MASTA on track 176° to OVTUS, then track 153° to KEVOX.

KALOD transition: From KALOD on track 202° to OVTUS, then track 153° to KEVOX.

**SARAM transition**: From SARAM on track 132° to KEVOX.

**TOPAX transition**: From TOPAX on track 045° to KEVOX.

## BUSAN/Gimhae INTL(RKPK) RWY 36L/R I RNAV(GNSS) KEVOX 2

# **AERONAUTICAL DATA TABULATION**

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Remarks			•		Remarks	1	•			Remarks	•	ı		Remarks				Remarks	•
																		Navigation specification	1
Navigation specification	RNAV 1	RNAV 1	RNAV 1		Navigation specification	RNAV 1	RNAV 1	RNAV 1	Soites	specification	RNAV 1	RNAV 1		Navigation specification	RNAV 1	RNAV 1		VPA/	1
VPA/ TCH	-	ı	ı		VPA/ TCH	i	ı	ı	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ZA TGH	ı	ı		VPA/ TCH	ı	ı			3'47.2"E
Coordinates	35°28'47.0"N 128°33'40.0"E	35°06'40.3"N 128°39'00.0"E	35°00'51.7"N 128°43'47.2"E		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		Coordinates	35°07'36.3"N 128°31'46.7"E	35°00'51.7"N 128°43'47.2"E		Coordinates	34°45'55.3"N 128°29'51.7"E	35°00'51.7"N 128°43'47.2"E		Coordinates	35°00'51.7"N 128°43'47.2"E
	35°28'	35°06'	35°00'			35°30'	35°06'	35°00'			35°07'	35°00'			34°45	35°00'		Speed (kt)	-230
Speed (kt)		1			Speed (kt)			1	0000	Speed (kt)		1		Speed (kt)	ı			Altitude (ft)	-10 000 +6 000
Altitude (ft)		1	000 9+		Altitude (ft)		ı	000 9+	۸ اینتانیا	Alfitude (ft)	ı	000 9+		Altitude (ft)	ı	000 9+		Turn	~
Turn direction	ı				Turn		ı	ı	Ę.	direction	i	1		Turn	ı			Distance (NM)	5
Distance (NM)		22.50	7.01		Distance (NM)	1	24.27	7.01	_	(NW)	ı	11.94		Distance (NM)	ı	18.81		Course/Track °M(°T)	050(042.5)
e/Track ^(°T)	ı	76.25(168.79)	153.38(145.87)		Course/Track °M(°T)		202.04(194.57)	153.38(145.87)	Course /Track	°M(°T)		131.74(124.27)		Course/Track °M(°T)	ı	044.92(037.46)		Fly- Co	'
Cours		176.2	153.3				202.0	153.3		500		131.7.		Cours		044.9		ypoint ntifier	KEVOX
f Fly- over		ı		ē	Fly- over		,		tion	over	•		<u>.</u> 0	+ Fly-		1		deg δ	퐈
Waypoint Fly- Course/Track Identifier over	MASTA	OVTUS	KEVOX	OD Transit	Waypoin Identifier	KALOD	OVTUS	KEVOX	AM Transi	vvaypoint riy- Identifier over	SARAM	KEVOX	'AX Transiti	Waypoint Fly- Identifier over	TOPAX	KEVOX	, w	Path Waypoint Fly- Descriptor Identifier over	¥H
Path Descriptor	TF	¥	¥	RNAV KEVOX 2 - KALOD Transition	Path Waypoint Fly- Descriptor Identifier over	Ħ	Ħ	¥	RNAV KEVOX 2 - SARAM Transition	Descriptor	TF	Ŧ	RNAV KEVOX 2 - TOPAX Transition	Path Descriptor	¥	¥	HOLDING PROCEDURE	Holding Identification	RNAV KEVOX 1
Serial Number	100	005	002	RNAV KEV	Serial Number	100	002	002	RNAV KEV	Number	100	005	RNAV KEV	Serial	100	002	HOLDING	H HC Ident	RNAV

RNAV KEVOX 2 - MASTA Transition

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 2

Note: Arrival under U.S. TERPS MSA 25 NM GIMHAE ARP 2. GNSS and RADAR required. **APARU transition**: From APARU on track 248° to ARECO, then track 270° to cross GAYHA at or above 6 000 ft. **TOPAX transition** : From TOPAX on track 012° to SARAM, then track 049° to cross GAYHA at or above 6 000 ft. 5200 3. DME/DME/IRU N/A. 1. RNAV 1 Required. ELEV, ALT IN FEET DIST IN NM BRG ARE MAG VAR 7° W True Morth NOTE: MASTA transition: From MASTA on track 175° to cross GAYHA at or above 6 000 ft. KALOD transition: From KALOD on track 210° to cross GAYHA at or above 6 000 ft. then track 270° to cross GAYHA at or above 6 000 ft. **ARRIVAL ROUTE DESCRIPTION** BUSAN(PSN) transition: From BUSAN(PSN) on track 311° to ARECO, **VORTAC 114.0** 128°59'58"E 35°07'21"N ■1 900 ff **BUSAN** PSN :: LANDING RWY 18 : Expect RNAV approach. GIMHAE ARECO GAYHA ⊗ 6 000 -JINHAE ^ .060 1MIN 6 000 KALOD ح،00 000 9 6 000 - 175° °040 % 2.12 0150 MASTA SARAM TOPAX NOT TO SCALE BUSAN/Gimhae INTL(RKPK) RWY 18L/R RNAV(GNSS) GAYHA 2

# **AERONAUTICAL DATA TABULATION**

	ks				ks				ks					ks					ks					Remarks	
	Remarks		1		Remarks	•	1		Remarks	ı	1			Remarks	ı	•	1		Remarks		ı	1		Navigation specification	
	Navigation specification	RNAV 1	RNAV 1		Navigation specification	RNAV 1	RNAV 1		Navigation specification	RNAV 1	RNAV 1	RNAV 1		Navigation specification	RNAV 1	RNAV 1	RNAV 1		Navigation specification	RNAV 1	RNAV 1	RNAV 1		VPA/ TCH s	
	VPA/ TCH		ı		VPA/ TCH	ı	ı		VPA/ TCH	1	ı	ı		VPA/ TCH	·	1	1		VPA/ TCH	1	ı	ı			7'54 A"F
	Coordinates	35°28'47.0"N 128°33'40.0"E	35°13'22.4"N 128°37'54.4"E		Coordinates	35°30'12.1"N 128°46'26.5"E	35°13'22.4"N 128°37'54.4"E		Coordinates	35°24'42.1"N 129°09'32.1"E	35°14'22.1"N 128°46'59.1"E	35°13'22.4"N 128°37'54.4"E		Coordinates	35°07'21.5"N 128°59'58.5"E	35°14'22.1"N 128°46'59.1"E	35°13'22.4"N 128°37'54.4"E		Coordinates	34°45'55.3"N 128°29'51.7"E	35°07'36.3"N 128°31'46.7"E	35°13'22.4"N 128°37'54.4"E		Coordinates	35°13'22 4"N 128°37'54 4"F
		35°28'	35°13'			35°30'	35°13'			35°24'	35°14'	35°13'			35°07'	35°14'	35°13'			34°45	35°07'	35°13'		Speed (kt)	010
	Speed (kt)				Speed (kt)		ı		Speed (kt)					Speed (kt)	ı	ı			Speed (kt)		1			Altitude (ft)	-10 000
	Altitude (ft)	ı	000 9+		Altitude (ft)	ı	+6 000		Altitude (ft)			000 9+		Altitude (ft)	ı	ı	000 9+		Altitude (ft)		1	000 9+		Turn	۵
	Turn direction	ı			Turn	ı			Turn			ı		Turn direction	ı	1			Turn	•	,	ı		Time (min)	-
	Distance (NM)	1	15.77		Distance (NM)	1	18.19		Distance (NM)	1	21.14	7.50		Distance (NM)	ı	12.74	7.50		Distance (NM)	ı	21.71	7.64		urse/Track °M(°T)	770(747) 51
	Course/Track °M(°T)		174.74(167.28)		Course/Track °M(°T)	,	210.07(202.61)		Course/Track ^M(°T)	ı	248.36(240.90)	269.91(262.44)	tion	Course/Track °M(°T)	1	310.84(303.38)	269.91(262.44)		Course/Track °M(°T)	ı	011.62(004.15)	048.53(041.07)		Waypoint Fly- Course/Track Identifier over %M(°T)	GAYHA
ısition	r Fly- over	ı	ı	rsition		ı	,	ısition		1	1	1	I) Transi	t Fly- over	-	1	1	ısition	Fly-	1	ı	ı		Way Ident	G.A.
ASTA Trar	Waypoint Fly- Identifier over	MASTA	GAYHA	ALOD Trar	Waypoin: Identifier	KALOD	САУНА	PARU Tran	Waypoin: Identifier	APARU	ARECO	GAYHA	USAN(PSN	Waypoin: Identifier	BUSAN(PSN	ARECO	САУНА	OPAX Tran	Waypoin Identifier	TOPAX	SARAM	GAYHA	IRE	Path Descriptor	2
GNSS GAYHA 2 - MASTA Transition	Path Descriptor	11	¥	GNSS GAYHA 2 - KALOD Transition	Path Waypoint Fly- Descriptor Identifier over	¥	Ħ	GNSS GAYHA 2 - APARU Transition	Path Waypoint Fly- Descriptor Identifier over	Ħ	¥	¥	GNSS GAYHA 2 - BUSAN(PSN) Transition	Path Waypoint Fly- Descriptor Identifier over	¥	Ħ	¥	GNSS GAYHA 2 - TOPAX Transition	Path Waypoint Descriptor Identifier	1	Ľ	¥	HOLDING PROCEDURE	Holding Identification	NYHA 1
GNSS G⊅	Serial Number	100	002	GNSS GA	Serial Number	100	002	GNSS GA	Serial Number	100	002	005	GNSS GA	Serial Number	100	005	005	GNSS GA	Serial Number	100	002	002	HOLDING	Hol	L VHV C. VAIVA

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