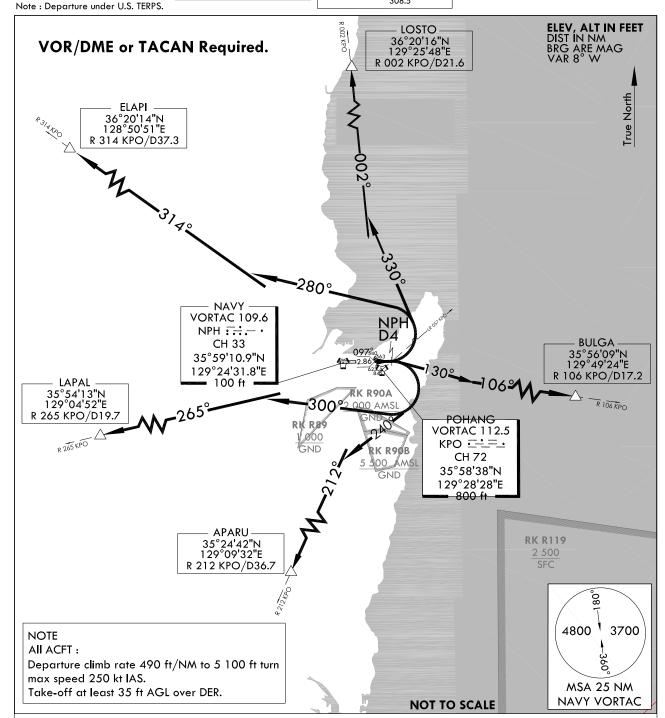
STANDARD DEPARTURE CHART - INSTRUMENT(SID)

TRANSITION ALT 14 000 TRANSITION LVL FL 140

POHANG DEP 120.2 124.25 232.4 POHANG TWR 118.05 236.6 308.5

POHANG/Pohang Gyeongju(RKTH) RWY 10 236.6 POHANG 3



#### **DEPARTURE ROUTE DESCRIPTION**

#### **POHANG 3 DEPARTURE**

RWY 10 : Climb HDG  $097^{\circ}$  to NPH 4 DME or cross LR 057 KPO, then via assigned transition routes.

The following transitions are ATC assigned only: Fly to intercept for en route.

**ELAPI Transition**: .......left turn HDG 280° to intercept R 314 KPO and R 314 KPO to ELAPI. **LOSTO Transition**: ......left turn HDG 330° to intercept R 002 KPO and R 002 KPO to LOSTO. **BULGA Transition**: ......right turn HDG 130° to intercept R 106 KPO and R 106 KPO to BULGA. **APARU Transition**: ......right turn HDG 240° to intercept R 212 KPO and R 212 KPO to APARU. **LAPAL Transition**: ......right turn HDG 300° to intercept R 265 KPO and R 265 KPO to LAPAL.

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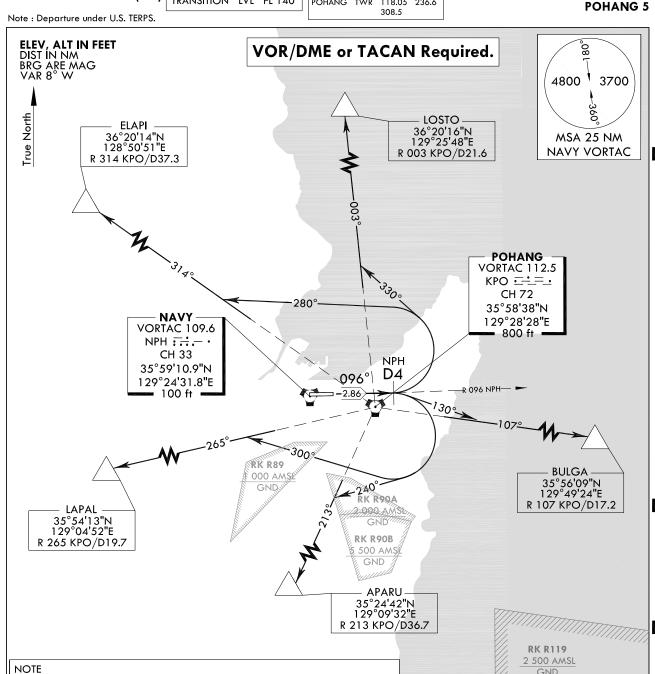
AIRAC AIP AMDT 9/19

Effective: 1600UTC 9 OCT 2019

STANDARD DEPARTURE CHART - INSTRUMENT(SID)

TRANSITION ALT 14 000 TRANSITION LVL FL 140 POHANG DEP 120.2 124.25 232.4 POHANG TWR 118.05 236.6 308.5

POHANG/Pohang Gyeongju(RKTH) RWY 10 236.6 POHANG 5



#### **DEPARTURE ROUTE DESCRIPTION**

#### **POHANG 5 DEPARTURE**

Take-off at least 35 ft AGL over DER.

TAKE-OFF RWY 10 : Climb on R 096 NPH to 4 DME, thence.....

All ACFT : Minimum climb of 490 ft/NM to 5 100 ft. Take-off must occur no later than 1 100 ft prior to departure end of runway. Turn max speed 250 kt IAS.

......Climb to assigned or specified altitude via (the following transition routes).

The following transitions are ATC assigned only.

**ELAPI Transition**: Left turn HDG 280° to intercept R 314 KPO and R 314 KPO to ELAPI. **LOSTO Transition**: Left turn HDG 330° to intercept R 003 KPO and R 003 KPO to LOSTO. **BULGA Transition**: Right turn HDG 130° to intercept R 107 KPO and R 107 KPO to BULGA. **APARU Transition**: Right turn HDG 240° to intercept R 213 KPO and R 213 KPO to APARU. **LAPAL Transition**: Right turn HDG 300° to intercept R 265 KPO and R 265 KPO to LAPAL.

**NOT TO SCALE** 

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STANDARD DEPARTURE

TRANSITION ALT 14 000 TRANSITION LVL FL 140

124.25 232.4 118.05 308.50 POHANG DEP 120.2 POHANG/Pohang Gyeongju(RKTH) RNAV(GNSS) DORTI 1 **RWY 10** 

CHART-INSTRUMENT(SID) POHANG TWR 236.6 Note: Departure under U.S TERPS. ...... via (TRANSITIONS routes) or expect climb assigned altitude by ATC. APARU TRANSITION: From DORTI track 187° to cross TH805 at or above 4 800 ft and at or below 6 000 ft, then track 249° to cross MAKUN at or above 6 000 ft, then track 213° to APARU. RWY 10 - Mountain 1.63 NM from DER, 2 157 ft right of centerline, 623 ft MSL RWY 10 - Mountain 1.92 NM from DER, 2 677 ft right of centerline, 697 ft MSL RWY 10 - Mountain 2.05 NM from DER, 1 365 ft right of centerline, 722 ft MSL LAPAL TRANSITION : From DORTI track 187° to cross TH805 at or above 4 800 fr and at or below 6 000 ft, then track 277° to cross TH806 at or above 6 000 ft, then track 286° to LAPAL. DER, 1 024 ft left of centerline, 540 ft MSL. RWY 10 - Mountain 1.95 NM from DER, 1 338 ft left of centerline, 447 ft MSL ELAPI TRANSITION: From DORTI track 007° to cross TH801 at or above 4 800 ft and at or below 6 000 ft, then track 289° to cross TH802 at or above 6 000 ft, then track 289° to cross TH803 at or above 6 000 ft, then track 313° to ELAPI. LOSTO TRANSITION : From DORTI track 007° to cross TH801 at or above 4 800 ft and at or BULGA TRANSITION : From DORTI track 120° to cross TH804 at or above 4 800 ft, then 3. DME/DME/IRU N/A. (DME/DME Assessment: NOT CONDUCTED) RWY 10: Standard with minimum climb of 490 ft/NM to 4 800 ft. DEPARTURE ROUTE DESCRIPTION RWY 28 - Mountain 2.75 NM from DER, 768 ft MSL 4. Do not exceed 230 kt IAS until TH801, TH805, TAKE-OFF RUNWAY 10 : Climb on course 097° to DORTI, thence.. below 6 000 ft, then track 343° to LOSTO. if unable, advise ATC on initial contact RWY 10 - Mountain 1.44 NM from 1. GNSS & RADAR Required. track 106° to BULGA. 5. Top altitude: 9 000 ft Departure obstacles: 2. RNAV 1.0 required. Take-off minimums Take-off obstacles: BULGA 8 000 4 800 900 TH804 4 800 TH801 MAX 230 kt IAS 6 000 4 800 DORTI MAX 230 kt IAS 230 kt IAS 5 000 4 800 187° 007 .H805 7.0 7.0 4 800 343° 4 800 289° .260 277° 6.5 9.2 . . . %547 %47 WAKUN 6000 TH802 6 000 LOSTO 9 000 6 TH806 6 000 6 000 289° 4. VORTAC 109.6 35°59'10.9"N 129°24'31.8"E 286° NPH STILLS 100 ft APARU 9 000 / TH803 VORTAC 112.5 KPO :==== 35°58'38"N 129°28'28"E 800 fr POHANG **NOT TO SCALE** True Morth POHANG ARP LAPAL MSA 25 NM 9 000 EV, ALT IN FEET 4800 BRG ARE MAG VAR 8° W DIST IN NM ELAP 8 000

POHANG/Pohang Gyeongju(RKTH)
RNAV(GNSS) DORTI 1
RWY 10

#### **AERONAUTICAL DATA TABULATION**

on Remarks	Bank Angle 23° CG 490 ft/NM to 4 800 ft		1	•	1			Bank Angle 23° CG 490 ft/NM to 4 800 ft	Bank Angle 23° CG 490 ft/NM to 4 800 ft	1			Bank Angle 23° CG 490 ft/NM to 4 800 ft	CG 490 ft/NM to 4 800 ft			on Remarks		Bank Angle 23° CG 490 ft/NM to 4 800 ft	1	•		n Remarks	Bank Angle 23° CG 490 ft/NM to 4 800 ft	CG 490 ff/NM to 4 800 ft	,
Navigation specification	RNAV 1	RNAV 1	RNAV 1	RNAV 1	RNAV 1		Navigation specification	RNAV 1	RNAV 1	RNAV 1	1 1	Specification	RNAV 1	RNAV 1	RNAV 1		Navigation specification	RNAV 1	RNAV 1	RNAV 1	RNAV 1		Navigation specification	RNAV 1	RNAV 1	RNAV 1
VPA/ TCH	,	,	ı	ı	ı		VPA/ TCH	,	1	ı	1	VPA TCH	•	1	ı		VPA/ TCH	ı	ı	ı	1		VPA/ TCH			ı
Coordinates	35°59'21.9"N 129°33'56.6"E	36°06'22.7"N 129°33'50.5"E	36°07'41.0"N 129°25'21.0"E	36°10'16.4"N 129°08'17.0"E	36°20'14.1"N 128°50'50.9"E		Coordinates	35°59'21.9"N 129°33'56.6"E	36°06'22.7"N 129°33'50.5"E	36°20'15.8"N 129°25'48.3"E		Coordinates	35°59'21.9"N 129°33'56.6"E	35°57'15.5"N 129°40'12.9"E	35°56'08.6"N 129°49'24.4"E		Coordinates	35°59'21.9"N 129°33'56.6"E	35°52'21.2"N 129°34'02.7"E	35°46'53.0"N 129°21'52.8"E	35°24'42.1"N 129°09'32.1"E		Coordinates	35°59'21.9"N 129°33'56.6"E	35°52'21.2"N 129°34'02.7"E	35°52'13.2"N 129°22'47.6"E
Speed (kt)	-230	-230		ı			Speed (kt)	-230	-230		7	Speed (kt)	-230	1	1		Speed (kt)	-230	-230		,		Speed (kt)	-230	-230	
Altitude (ft)		-6 000 +4 800	000 9+	000 9+	+8 000		Altitude (ft)	1	-6 000 +4 800	000 6+	-	Altitude (ft)		+4 800	+8 000		Altitude (ft)	ı	-6 000 +4 800	000 9+	000 6+		Altitude (ft)	i	-6 000 +4 800	000 9+
Turn direction	ı	1	1	1	ı		Turn direction	ı	ı	i	ŀ	lurn direction	ı	ı	ı		Turn direction	ı	ı	į	ı		Turn direction	ı	1	i
Distance (NM)	6.5	7.0	7.0	14.1	17.3		Distance (NM)	6.5	7.0	15.3		Uistance (NM)	6.5	5.5	7.6		Distance (NM)	6.5	7.0	11.3	24.3		Distance (NM)	6.5	7.0	0.0
Course/Track °M(°T)	097(089.3)	007(359.3)	289(280.8)	289(280.7)	313(305.3)		Course/Track Distance °M(°T) (NM)	097(089.3)	007(359.3)	343(334.9)	Journ / Common	Course, Irack Distanc	097(089.3)	120(112.4)	106(098.4)		Course/Track Distanc M(°T) (NM)	097(089.3)	187(179.3)	249(241.2)	213(204.5)		Course/Track °M(°T)	097(089.3)	187(179.3)	10.6901770
Fly-		1					Fly- over		1	1	i	over	•	į	ı	ے		ı	ì		1					
Waypoint Identifier	DORTI	TH801	TH802	TH803	ELAPI	O Transitio	Waypoint Fly- Identifier over	DORTI	TH801	LOSTO	A Transition	Waypoınt Identifier	DORTI	TH804	BULGA	U Transitio	Waypoint Fly- Identifier over	DORTI	TH805	MAKUN	APARU	. Transition	Waypoint Fly- Identifier over	DORTI	TH805	TH806
Path Descriptor	ñ	TF	Ħ	Ħ	Ħ	RNAV DORTI 1 - LOSTO Transition	Path Descriptor	P	Ŧ	Ŧ	RNAV DORTI 1- BULGA Transition	Path Descriptor	CF	Ľ	Ŧ	RNAV DORTI 1 - APARU Transition	Path Descriptor	CF	±1	±1	ŦĿ	RNAV DORTI 1 - LAPAL Transition	Path Descriptor	Ъ	¥	TF
Serial Number	100	002	003	004	900	IAV DOF	Serial Number	100	002	003	IAV DOF	Number	001	002	003	AV DOR	Serial Number	100	002	003	004	AV DOR	Serial Number	100	002	003

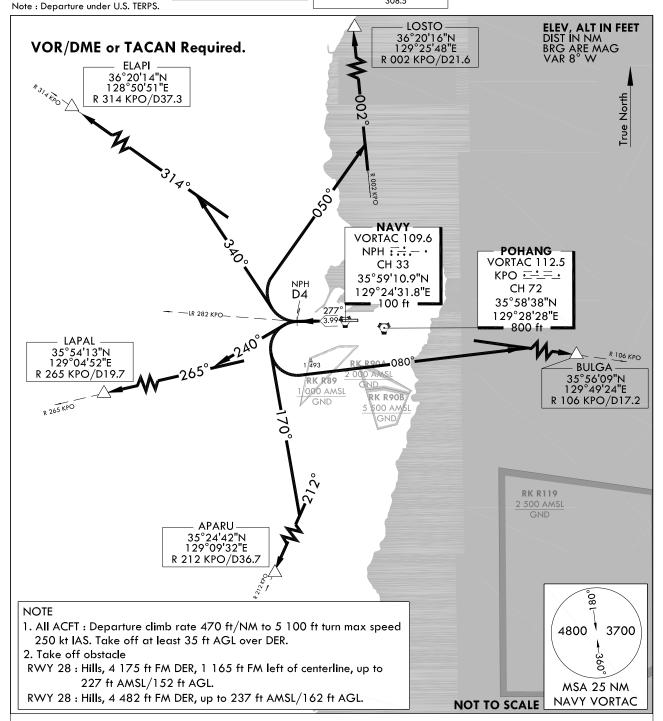
Change : Information of aerodrome name(Pohang ightarrow Pohang Gyeongju).

AIRAC AIP AMDT 6/22 Effective : 1600UTC 13 JUL 2022 STANDARD DEPARTURE CHART - INSTRUMENT(SID)

TRANSITION ALT 14 000 TRANSITION LVL FL 140

POHANG DEP 120.2 124.25 232.4 POHANG TWR 118.05 236.6 308.5

POHANG/Pohang Gyeongju(RKTH) RWY 28 236.6 POHANG 4



#### **DEPARTURE ROUTE DESCRIPTION**

### **POHANG 4 DEPARTURE**

RWY 28 : Climb HDG 277° to NPH 4 DME or cross LR 282 KPO, then via assigned transition routes.

The following transitions are ATC assigned only: Fly to intercept for en route.

**ELAPI Transition**: ......right turn HDG  $340^\circ$  to intercept R 314 KPO and R 314 KPO to ELAPI. **LOSTO Transition**: ......right turn HDG  $050^\circ$  to intercept R 002 KPO and R 002 KPO to LOSTO. **BULGA Transition**: ......left turn HDG  $080^\circ$  to intercept R 106 KPO and R 106 KPO to BULGA. **APARU Transition**: ......left turn HDG  $170^\circ$  to intercept R 212 KPO and R 212 KPO to APARU. **LAPAL Transition**: ......left turn HDG  $240^\circ$  to intercept R 265 KPO and R 265 KPO to LAPAL.

Change: Information of aerodrome name(Pohang → Pohang Gyeongju).

AIRAC AIP AMDT 6/22 Effective : 1600UTC 13 JUL 2022

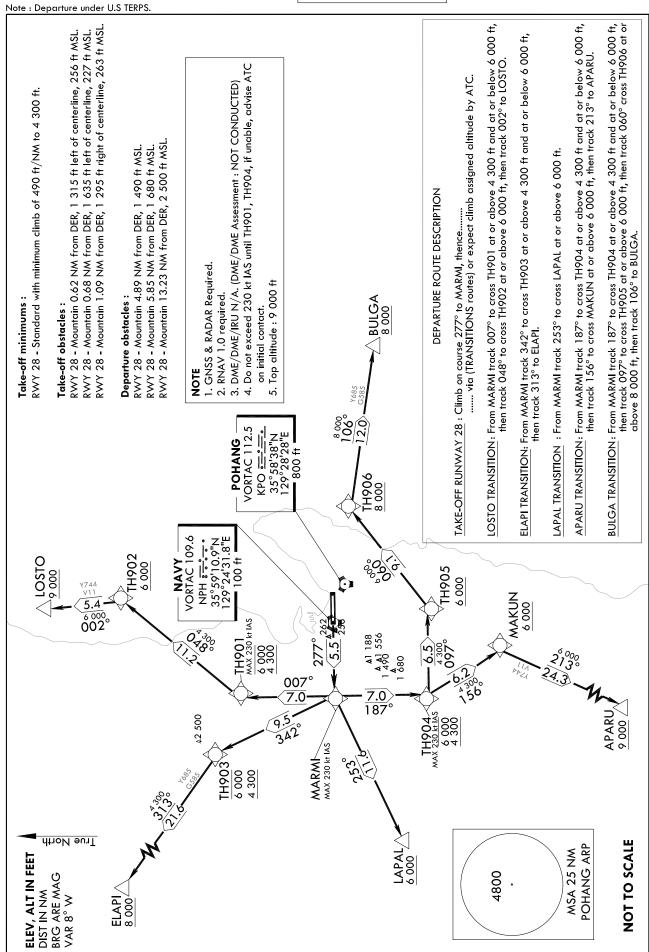
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AIRAC AIP AMDT 14/21 Effective : 1600UTC 26 JAN 2022 STANDARD DEPARTURE CHART-INSTRUMENT(SID)

TRANSITION ALT 14 000 TRANSITION LVL FL 140 POHANG DEP 124.25 120.2 232.4 POHANG TWR 118.05 236.6 308.50 POHANG/Pohang Gyeongju(RKTH) RNAV(GNSS) MARMI 1 RWY 28



# POHANG/Pohang Gyeongju(RKTH) RNAV(GNSS) MARMI 1 RWY 28

## **AERONAUTICAL DATA TABULATION**

Path script	5	Waypoint Fly- Identifier over	FIy- over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/ TCH	Navigation specification	Remarks
Ъ		MARM	ı	277(269.2)	5.5	ı		-230	35°59'11.5"N 129°17'44.0"E	ı	RNAV 1	Bank Angle 23° CG 490 ft/NM to 4 300 ft
Ł		TH901	i	007(359.2)	0.7	-	-6 000 +4 300	-230	36°06'12.2"N 129°17'36.5"E	ı	RNAV 1	Bank Angle 23° CG 490 ft/NM to 4 300 ft
⊭		ТН902	ı	048(039.7)	11.2	ı	000 9+	1	36°14'50.3"N 129°26'28.6"E	,	RNAV 1	•
ഥ		LOSTO	1	002(354.3)	5.4	ı	000 6+	1	36°20'15.8"N 129°25'48.3"E	1	RNAV 1	1
	ELAPI	RNAV MARMI 1 - ELAPI Transition	_									
Path script	Path Descriptor	Waypoint Fly- Identifier over	FIy-	Course/Track M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/ TCH	Navigation specification	Remarks
l l		MARMI		277(269.2)	5.5	,	ı	-230	35°59'11.5"N 129°17'44.0"E	1	RNAV 1	Bank Angle 23° CG 490 ft/NM to 4 300 ft
Ľ		TH903	٠	342(334.3)	9.5	ı	-6 000 +4 300	ı	36°07'45.8"N 129°12'39.2"E	ı	RNAV 1	CG 490 ft/NM to 4 300 ft
⊭		ELAPI		313(305.3)	21.6	ı	+8 000		36°20'14.1"N 128°50'50.9"E	1	RNAV 1	,
l <u>-</u>	LAPAI	RNAV MARMI 1 - LAPAL Transition										
<u>£</u> : <u>E</u>	Path Descriptor	Waypoint Fly- Identifier over	FIY-	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/ TCH	Navigation specification	Remarks
l b		MARMI		277(269.2)	5.5	ı	ı	-230	35°59'11.5"N 129°17'44.0"E		RNAV 1	Bank Angle 23° CG 490 ft/NM to 4 300 ft
⊭		LAPAL		253(244.6)	11.6	ı	000 9+		35°54'12.6"N 129°04'52.0"E		RNAV 1	CG 490 ft/NM to 4 300 ft
	APARI	RNAV MARMI 1 - APARU Transition	Ē									
<u>₽.</u> Ë	Path V Descriptor	Waypoint Fly- Identifier over	Fly- over	Course/Track M(°T)	Distance (NM)	Turn	Altitude (ft)	Speed (kt)	Coordinates	VPA/ TCH	Navigation specification	Remarks
		MARM		277(269.2)	5.5	1	ı	-230	35°59'11.5"N 129°17'44.0"E		RNAV 1	Bank Angle 23° CG 490 ft/NM to 4 300 ft
⊭		TH904		187(179.2)	7.0	1	-6 000 +4 300	-230	35°52'10.8"N 129°17'51.6"E	,	RNAV 1	Bank Angle 23° CG 490 ft/NM to 4 300 ft
上		MAKUN		156(148.3)	6.2	ı	000 9+	ı	35°46'53.0"N 129°21'52.8"E		RNAV 1	ı
⊭		APARU		213(204.5)	24.3	ı	000 6+	ı	35°24'42.1"N 129°09'32.1"E		RNAV 1	1
	BULG,	RNAV MARMI 1 - BULGA Transition	Ē									
事業	Path V Descriptor	Waypoint Fly- Identifier over	Fly- over	Course/Track °M(°T)	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Coordinates	VPA/ TCH	Navigation specification	Remarks
Ъ		MARMI		277(269.2)	5.5	ı		-230	35°59'11.5"N 129°17'44.0"E		RNAV 1	Bank Angle 23° CG 490 ft/NM to 4 300 ft
片		TH904		187(179.2)	7.0	ı	-6 000 +4 300	-230	35°52'10.8"N 129°17'51.6"E		RNAV 1	Bank Angle 23° CG 490 ft/NM to 4 300 ft
Ľ		TH905		097(089.2)	6.5	1	000 9+		35°52'16.2"N 129°25'51.6"E	1	RNAV 1	
Ľ		тн906		060(052.0)	9.1		+8 000		35°57'53.7"N 129°34'43.8"E		RNAV 1	
		(					0		35°55'08 6"N 100°40'04 4"E			1

Change : Information of aerodrome name(Pohang  $\rightarrow$  Pohang Gyeongju).

AIRAC AIP AMDT 6/22 Effective : 1600UTC 13 JUL 2022