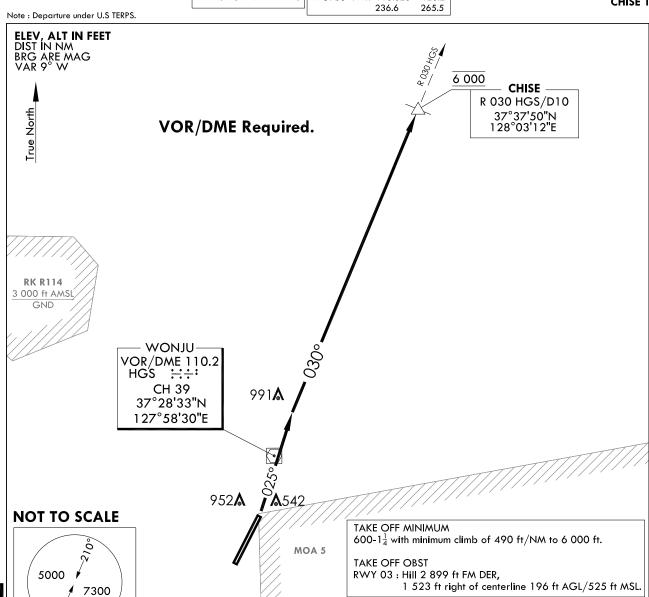
STANDARD DEPARTURE CHART **INSTRUMENT (SID)**

TRANSITION ALT 14 000 TRANSITION LVL FL 140

WONJU DEP 130.2 WONJU TWR 118.325 268.5 126.2 236.6

WONJU/Wonju(RKNW) RWY 03 CHISE 1



V/V(fpm)**DEPARTURE PROCEDURE DESCRIPTION**

KNOTS

Missed ATC Climb Rate

60

490

120

980

180

240

300

1 470 1 960 2 450 2 940

360

TO

6 000

CHISE 1 DEPARTURE

MSA 25 NM WONJU VOR

RWY 03: Climb to 6 000 ft via HDG 025° to intercept R 030 HGS, then R 030 HGS to CHISE, then direct to Enroute fix and climb to assigned altitude.

INTENTIONALLY

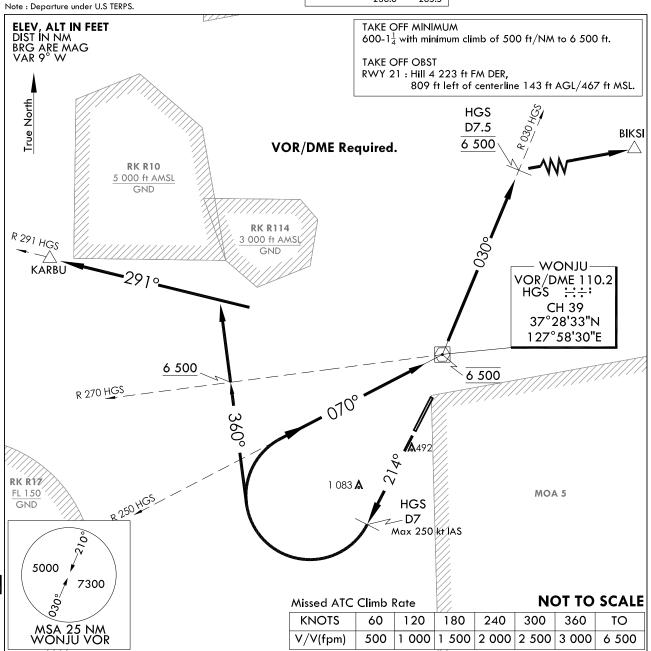
LEFT

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STANDARD DEPARTURE CHART **INSTRUMENT (SID)**

TRANSITION ALT 14 000 WONJU DEP 130.2 268.5 TRANSITION LVL FL 140 WONJU TWR 118.325 126.2 236.6 265.5

WONJU/Wonju(RKNW) RWY 21 WONJU 7



DEPARTURE PROCEDURE DESCRIPTION

WONJU 7 DEPARTURE

RWY 21 : Climb to 6 500 ft via HDG 214 $^{\circ}$ to HGS D7, thence.... Max speed 250 kt IAS until reaching 6 500 ft.

KARBU transition: Then right turn HDG 360° to intercept R 291 HGS and

cross R 270 HGS at or above 6 500 ft,

then R 291 HGS to KARBU and climb to assigned altitude by ATC.

BIKSI transition : Then right turn to intercept R 250 HGS and cross HGS at 6 500 ft,

> then left turn R 030 HGS to HGS D7.5 and cross at 6 500 ft, then direct to BIKSI and climb to assigned altitude by ATC.

INTENTIONALLY

LEFT

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AIP **RKNW AD CHART 2 - 5** Republic of Korea 26 AUG 2021 STANDARD DEPARTURE CHART WONJU/Wonju(RKNW) WONJU DEP 130.2 INSTRUMENT(SID) 268.5 **RWY 03/21** TRANSITION ALT 14 000 WONJU TWR 265.5 118.325 **WONJU 1D** TRANSITION LVL FL 140 236.6 126.2 Note: Departure under U.S. TERPS. Minimum ATC climb rate **ELEV, ALT IN FEET KNOTS** 240 300 360 60 120 180 TO DIST IN NM 5000 BRG ARE MAG V/V(fpm) 490 980 470 1 960 2 450 2 940 5 000 VAR 9° W 7300 260 1 680 2 100 2 520 5 000 V/V(fpm) 420 840 North MOA 30 MOA 31 9 000 AMSL FL 400 3 000 AGL MSA 25 NM 10 000 AMSL True 1 FL 400 **WONJU VOR** 10 000 AMSL RADAR REQUIRED **BIKSI** WONJU -VOR/DME 110.2 3 275 HGS **∺**:-• 37°28'33"N G597 127°58'30"E 500 ft 3 052 RK R10 5 000 AMSL . 2 589 **GND RK R114** 3 000 AMSL GND KARBU MOA 5 9 000 AMSL (1) 1 693 3 000 AGL FL 400 12 000 AMSL NOTE: The following minimum climb rate 1 006 RWY 03, minimum climb of 490 ft/NM to 5 000 ft RWY 21, minimum climb of 420 ft/NM to 5 000 ft .3 569 CONTROLLING OBST DEPARTURE 1 142 ① 3.37 NM from RWY 03 DER • 4 226 2 10.6 NM form RWY 21 DER **RK R17** FL 150 . 3 878

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 03 : Climb HDG 034° to 5 NM, Thence......

2 3 567 •

TAKE-OFF RWY 21 : Climb HDG 214°, Thence.......

......... Expect radar vectors to intercept filed altitude/filed Enroute fix or Navaid. Maintain 7 000 ft or assigned altitude(flight level). Expect filed altitude/flight level 10 minute after departure.

RWY 03, HILL 2 979 ft from DER, 1 249 right of centerline, 164 ft AGL/493 ft AMSL RWY 21, HILL 4 182 ft from DER, 866 right of centerline, 164 ft AGL/493 ft AMSL RWY 21, HILL 7 599 ft from DER, 587 right of centerline, 196 ft AGL/525 ft AMSL

NOTE: Take-Off Obstacle

339 ft - 148 ft From End of RWY 21

LOST COMMUNICATIONS: If radio contact is not established with departure control prior to reaching 5 000 ft, continue climb to 7 000 ft before turning to filed fix/Navaid and proceed filed route and altitude.

NOT TO SCALE

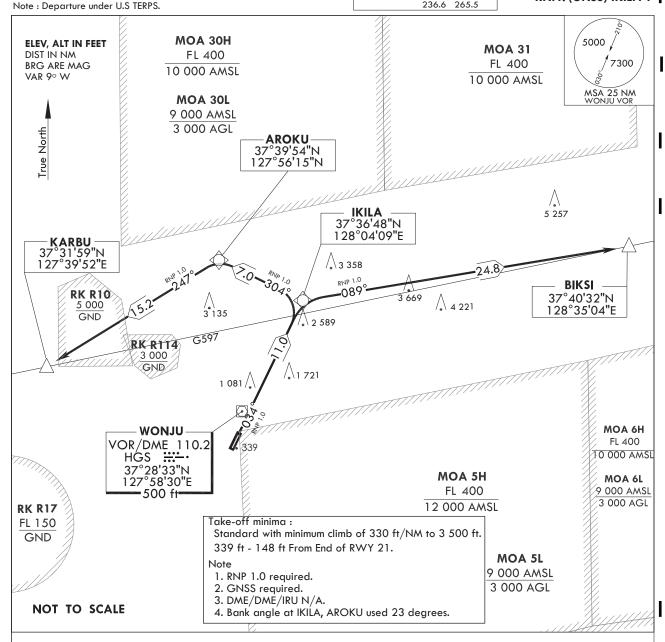
INTENTIONALLY

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STANDARD DEPARTURE CHART INSTRUMENT(SID)

TRANSITION ALT 14 000 TRANSITION LVL FL 140 WONJU DEP 130.2 268.5 WONJU TWR 126.2 118.325 236.6 265.5 WONJU/wonju (RKNW) RWY 03 RNAV(GNSS) IKILA 1



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 03: Climb on course 034° to IKILA, thence.....

KARBU TRANSITION

Then on track 304° to AROKU then on track 247° to cross KARBU at 6 500 ft.

BIKSI TRANSITION

Then on track 089° to cross BIKSI at 6 500 ft.

Change : Information of fix and procedure names(ORIVO \rightarrow IKILA, KIRST \rightarrow AROKU).

AIRAC AIP AMDT 8/21 Effective : 1600UTC 11 AUG 2021

RKNW AD CHART 2 - 6 - 1

1 JUL 2021

WONJU/wonju (RKNW) RWY 03 | RNAV(GNSS) IKILA 1

AERONAUTICAL DATA TABULATION

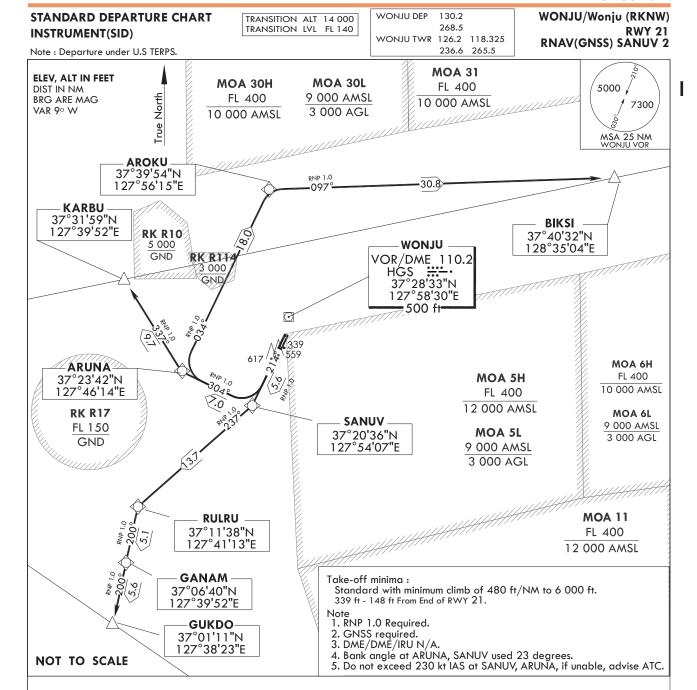
Standard Instrument Departure Procedure Coding Tables

	VPA Navigation Remarks	02.23"E – RNP APCH –	08.88"E - RNP APCH CG 330 ff/NM to 3 500			
	Coordinates	37°26'56.74"N 127°58'02.23"E	37°36'47.66"N 128°04'08.88"E			
	Speed (kt)	I	I			
	Turn Altitude Speed rection (ft) (kt)	I	Ι			
e	Turn Altitude Direction (ft)	I	I			
	ω l	I	11.0			
	Serial Path Waypoint Fly Course/Track Distance Number Descriptor Identifier -Over ° M(° T) (NM)	I	034(026.3)			
	Fly -Over	I	ı			
RNAV(GNSS) IKILA 1 RWY 03	Serial Path Waypoint Number Descriptor Identifier	RWY 21	IKILA			
NSS) IKILA	Path Descriptor	I	CF			
RNAV(G	Serial Number	100	002			

٩U	ITICA	L DAT	A TAE	BULAT
	Remarks	ı	ı	ı
	VPA Navigation TCH specification	RNP APCH	RNP APCH	RNP APCH
	VPA /TCH	I	I	I
	Coordinates	37°36'47.66"N 128°04'08.88"E	37°39'53.96"N 127°56'14.89"E	37°31'59.00"N 127°39'52.00"E
	Speed (kt)	I	ı	ı
	Altitude (ft)	I	ı	6 500
	Turn Altitude Speed Direction (ft) (kt)	I	ı	ı
		I	7.0	15.2
	Serial Path Waypoint Fly Course/Track Distance Number Descriptor Identifier -Over $^{\circ}$ M($^{\circ}$ T) (NM)	I	304(296.3) 7.0	247(238.8) 15.2
	Fly -Over	I	ı	I
	Waypoint Identifier	IKILA	AROKU	KARBU
KARBU Transition	Path Descriptor	I	¥	TF.
KARBU	Serial Number	001	002	003

7	3IKSI Transition												
rial nber	Path Descriptor	Waypoint Identifier	Fly -Over	Serial Path Waypoint Fly Course/Track Distant Number Descriptor Identifier -Over ${}^{\circ}$ M(${}^{\circ}$ T) (NM)	Distance (NM)	nce Turn Altitude Speed A) Direction (ft) (kt)	Altitude (ft)	Speed (kt)	Coordinates	VPA /TCH	Navigation specification	Remarks	
100	I	IKILA	ı	I	I	I	I	I	37°36'47.66"N 128°04'08.88"E	I	RNP APCH	I	
002	TF	BIKSI	_	089(081.2) 24.8	24.8	1	6 500	I	37°40'32.00"N 128°35'04.00"E	I	RNP APCH	ı	

Change : Information of fix and procedure names(ORIVO \rightarrow IKILA, KIRST \rightarrow AROKU).



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 21:

Climb on course 214° to SANUV, thence.....

KARBU TRANSITION

Max 230 kt IAS until SANUV then on track 304° to ARUNA, then on track 337° to cross KARBU at 6 500 ft.

BIKSI TRANSITION

Then on track 304° to ARUNA, Max 230 kt IAS until ARUNA, then on track 034° to AROKU, then on track 097° to cross BIKSI at $6\,500$ ft.

GUKDO TRANSITION

Then on track 237° to RULRU, then on track 200° to GANAM, then on track 200° to cross GUKDO at 6 500 ft.

WONJU/wonju (RKNW) RWY 21 RNAV(GNSS) SANUV 2

AERONAUTICAL DATA TABULATION

			14 000				14 000											14 000		
	Remarks	ı	CG 480 ft/NM to 6 000 ft		Remarks	I	CG 480 ft/NM to 6 000 ft	I		Remarks	I	ı	I	I		Remarks	ı	CG 480 ft/NM to 6 000 ft	I	I
	Navigation specification	RNP APCH	RNP APCH		Navigation specification	RNP APCH	RNP APCH	RNP APCH	-	Navigation specification	RNP APCH	RNP APCH	RNP APCH	RNP APCH		Navigation specification	RNP APCH	RNP APCH	RNP APCH	RNP APCH
	VPA /TCH	I	I		VPA /TCH	I	I	I		VPA /TCH	I	I	ı	I		VPA /TCH	I	I	ı	ı
Standard Instrument Departure Procedure Coding Tables	Coordinates	37°25'36.98"N 127°57'12.75"E	37°20'36.46"N 127°54'06.91"E		Coordinates	37°20'36.46"N 127°54'06.91"E	37°23'42.07"N 127°46'14.18"E	37°31'59.00"N 127°39'52.00"E		Coordinates	37°20'36.46"N 127°54'06.91"E	37°23'42.07"N 127°46'14.18"E	37°395'3.96"N 127°56'14.89"E	37°40'32.00"N 128°35'04.00"E		Coordinates	37°20'36.46"N 127°54'06.91"E	37°11'38.00"N 127°41'12.94"E	37°06'40.05"N 127°39'52.09"E	37°01'10.93"N 127°38'22.86"E
arture	Speed (kt)	ı	-230		Speed (kt)	ı	ı	ı		Speed (kt)	I	-230	ı	I		Speed (kt)	I	ı	ı	ı
ent De	Altitude (ft)	I	I		Altitude (ft)	I	I	6 500		Altitude (ft)	I	ı	ı	6 500		Altitude (ft)	I	ı	ı	9 200
Instrum	Turn Direction	I	I		Turn Direction	1	ı	ı		Turn Direction	I	I	ı	I		Turn Direction	ı	I	I	ı
andard	Distance (NM)	ı	5.6		Distance (NM)	I	7.0	6.7		Distance (NM)	I	7.0	18.0	30.8		Distance (NM)	1	13.7	5.1	5.6
ž	Course/Track ° M(° T)	I	214(206.3)		Course/Track ° M(° T)	I	304(296.2)	337(328.5)		Course/Track ° M(° T)	I	304(296.2)	034(026.2)	097(088.6)		Course/Track ° M(° T)	ı	237(229.0)	200(192.2)	200(192.3)
. 21	Fly -Over	I	I		Fly -Over	I	I	I		Fly -Over	I	ı	I	I		Fly -Over	I	I	I	ı
JV 2 RWY	Waypoint Identifier	RWY 03	SANUV		Waypoint Identifier	SANUV	ARUNA	KARBU		Waypoint Identifier	SANUV	ARUNA	AROKU	BIKSI		Waypoint Identifier	SANUV	RULRU	GANAM	GUKDO
RNAV(GNSS) SANUV 2 RWY 21	Serial Path Waypoint Number Descriptor Identifier	1	CF	KARBU Transition	Path Descriptor	I	TF	Ŧ	ınsition	Serial Path Number Descriptor	I	1	Ŧ	TF	Transition	Path Descriptor	I	TF	Ŧ	TF
RNAVIG	Serial	100	002	KARBU 1	Serial Number	100	005	003	BIKSI Transition	Serial Number	001	000	003	004	GUKDO	Serial Number	001	000	003	004