

# **ENR 3. ATS ROUTES**

## **ENR 3.1 CONVENTIONAL NAVIGATION ROUTES**

## 3.1.1 INTERNATIONAL ATS ROUTES

	Route designator (RNP/RNAV) Name of significant points Coordinates			Upper limits Lower limits			ion of levels	
1			MAG↑/↓ R RDL DIST COP)	or Minimum altitude(MOCA) ft AMSL or FL Airspace classification	Lateral limits NM	Odd	Even	Remarks Controlling unit channel Logon address
	1	( )	2	3	4		5	6
Δ	A582 ANYANG VORTAC(SEL)			-				Daegu ACC
	372449N 1265542E	174° 354°		UNL 4 500	10	<b> </b>		FREQ: 132.80 MHz 118.925 MHz 122.75 MHz <sup>1)</sup>
	POLEG 371249N 1265935E	12.4 174° 354°		(3 400) Class A, D, G				1) Common frequency
	SONGTAN VORTAC(SOT) 370540N 1270154E	7.4						Airspace Classification Class A : Above FL 200 - FL 600
		144° 324° 21.6		UNL 8 000				Class D : MEA - FL 200 Class G :
•	OSPOT 365018N 1272055E	144° 324°		(3 300) Class A, D, G				Above FL 600 - UNL  Daequ ACC
•	VASLI	10.4						FREQ: 125.375 MHz
	364252N 1273003E	144° 324°	(69/39)	UNL 8 000 (4 300)				125.775 MHz 124.575 MHz 122.75 MHz <sup>2)</sup> 2) Common frequency
•	MAKDU 362712N 1274909E	21.9 144°		Class A, D, G UNL				
	DITLIN	144° 324° 14.6		8 000 (4 400)				Airspace Classification Class A : Above FL 200 - FL 600
	BITUX 361645N 1280148E	144° 324°		Class A, D, G  UNL  10 000 (5 200)				Class D: MEA - FL 200 Class G: Above FL 600 - UNL
	DALSEONG VORTAC(TGU) 354835N 1283527E	39.2 162°		Class A, D, G				
•	KALOD	342° 20.4		UNL 6 000				
	353012N 1284626E	162° 342°		(5 400) Class A, D, G				
	BUSAN VORTAC(PSN) 350721N 1285958E	25.4		UNL				
		162° 342°		4 000 (3 000)				
•	APELA(FIR BDRY)	26.6		Class A, D, G			1	
	344323N 1291400E 344312N 1291408E <sup>3)</sup>	3) <i>BES</i>	SEL datur	m				
	INCHEON FIR							
	FUKUOKA FIR							

			_Up	per limits wer limits			ion of	
Route designator (RNP/RNAV) Name of significant points Coordinates	OV I	MAG↑/↓ R RDL DIST COP)	Minimum ft A	or altitude(MOCA) MSL or FL e classification	Lateral limits NM	Odd	Even	Remarks Controlling unit channel Logon address
1		2	<u> </u>	3	4		5	6
A586*								
△ TENAS	0070		1		40		I I	
373820N 1313427E	227° 047°		E1 3	UNL 310(4 600)	10		<b>+</b>	Daegu ACC
△ AGSUS	68.1			ass A, G				
364521N 1304044E	228°							FREQ: 122.25 MHz 134.175 MHz
A DADIK	048° 36.2			UNL				120.575 MHz
▲ DABIK 361743N 1301143E				310(1 500)				125.925 MHz
301743IN 1301143E	228° 048°		Cl	ass A, G				122.75 MHz <sup>1)</sup> 1) Common frequency
▲ BULGA	28.1							
355609N 1294924E	228° 048°			UNL				Airspace Classification refer to ENR 3.1-1
▲ BEDOM	40.2			310(2 900) ass A, G				Telef to LIVIX 5.1-1
352513N 1291754E	228°		0,1	UNL				
	047°			310(4 000)				
△ BUSAN VORTAC(PSN)	23.1		CI	ass A, G				
350721N 1285958E	237° 057°			10 000				Daegu ACC
	10.4			8 000(3 500) Class D				FREQ: 125.375 MHz
△ OMOTU	10.4			Olass D				124.575 MHz
350033N 1285022E	237° 057°			10 000				122.75 MHz <sup>2)</sup> 2) Common frequency
				8 000(3 200)				Airspace Classification
▲ TOPAX	22.3			Class D				refer to ENR 3.1-1
344555N 1282952E	237° 057°			10 000				Daegu ACC
				8 000(2 800)				
▲ GOSBO 341517N 1274734E	46.4			Class D				FREQ: 128.175 MHz 128.325 MHz
341317N 1274734E	237°	(79/78)	UNL**	10 000				122.75 MHz <sup>3)</sup>
	237° 056°	(* 5, * 5)	11 000	8 000(2 000)				3) Common frequency
	30.7			Class D				Airspace Classification refer to ENR 3.1-1
▲ MAKET 335452N 1271953E	2200			10,000				TOTAL ELVIN O.T.I
303432N 127 1933L	236° 056°			10 000 8 000(1 500)				Incheon ACC
△ ATINA	17.3			Class D				FREQ: 124.525 MHz
334320N 1270423E	236°			10 000				132.425 MHz
△ MANOL	056° 10.3			8 000(1 500) Class D				132.20 MHz <sup>4)</sup> 4) Common frequency
333629N 1265514E	235°			10 000				i) common nequency
	055°			9 000(8 700)				Airspace Classification refer to ENR 3.1-1
△ JEJU VORTAC(CJU)	20.0			Class D				10.01 10 2111 0.1 1
332305N 1263727E	169° 349°		0.0	UNL				★ The cruising levels
▲ TOSAN	24.0		Clas	00(8 700) ss A, D, G				from CJU to RUGMA
330012N 1264619E	169° 349°			UNL				are even levels due to operational reasons.
A DUOMA (EID EEE)				00(1 500)				* The cruising levels
▲ RUGMA(FIR BDRY) 323012N 1265753E	31.5		Lias	ss A, D, G		<u>  T</u>		from RUGMA to CJU
323000N 1265800E 4)								are odd levels due to operational reasons.
	4) <i>BES</i>	SSEL datui	m					
INCHEON FIR								
FUKUOKA FIR								

TENAS-PSN CDR1 Operational hour(UTC) - Weekdays: 1100-2200 - SAT: 2200 on the preceding until 2400 on the Saturday - SUN: 0000-2200 - Holiday: 1100 on the preceding until 2200 on the holiday. Rest of A586-PERM. See ENR 1.1-1.2.

Change: Information of Daegu ACC FREQ(128.175 MHz → 122.25 MHz) and remark(Incheon ACC → Daegu ACC).

<sup>\*</sup> A586(PSN-CJU) is only used for Non-RNAV aircraft. Any aircraft approved for RNAV operations should use Y571 or Y572.

\*\* Any aircraft planning to operate above 10 000 ft between PSN and CJU must coordinate with Daegu ACC before flight planning.

ENR 3.1 - 3

9 FEB 2023

		Upper limits Lower limits		Direct cruising		
Route designator (RNP/RNAV) Name of significant points Coordinates	Track MAG↑/↓ VOR RDL DIST (COP)	or Minimum altitude(MOCA) ft AMSL or FL Airspace classification	Lateral limits NM	Odd	Even	Remarks Controlling unit channel Logon address
1	2	3	4	5	5	6
FUKUOKA FIR				L		
INCHEON FIR  A593  ONIKU(FIR BDRY)						Incheon ACC
321142N 1263917E  △ NIRAT 320354N 1260329E	263° 082° 31.4 263° 083°	UNL	50		<b>\</b>	FREQ: (At or above FL 335) 133.425 MHz 134.15 MHz 132.20 MHz <sup>1)</sup> (Below FL 335) 125.725 MHz 132.825 MHz 132.825 MHz 132.20 MHz <sup>1)</sup>
△ PONIK 320021N 1254659E	14.5 262° 082°	FL 240 (1 500) Class A, G				Common frequency     Airspace Classification refer to ENR 3.1-1
▲ SADLI 314948N 1250000E	41.4 263° 082°	_			<b>\</b>	Eastbound from SADLI to ONIKU is only for Non-approval of RNAV 2. Any aircraft approved for RNAV 2 operation should use Y590.
▲ LAMEN(FIR BDRY) 313636N 1240000E	52.8			↑		
INCHEON FIR						
SHANGHAI FIR						
1. Delegation	·	·				

The responsibility of Air Traffic Services in the scope below within Incheon FIR is delegated to Shanghai ACC.

- Horizontal scope : 320229N 1240000E 321540N 1250000E 312356N 1250000E 311043N 1240000E
- Vertical scope : FL 240 through FL 410 inclusive
- 2. Flight Level Allocation Scheme (FLAS)
  - (1) The west of SADLI
    - Eastbound: FL 250, FL 270, FL 290, FL 310, FL 330, FL 350, FL 370, FL 390, FL 410
    - Westbound: FL 240, FL 260, FL 280, FL 300, FL 320, FL 340, FL 360, FL 380, FL 400
  - (2) The east of SADLI
    - Eastbound(From Shanghai FIR To Fukuoka FIR) : FL 250, FL 290, FL 310, FL 390
    - Westbound(From Fukuoka FIR To Shanghai FIR) : FL 240, FL 280, FL 300, FL 400

ı	A595 △ JEJU VORTAC(CJU)						Incheon ACC FREQ: 124.525 MHz
		089° 269° 35.9	UNL 9 000 (8 700) Class A, D, G	8	<b>1</b>		132.425 MHz 132.20 MHz <sup>2)</sup> 2) Common frequency Airspace Classification refer to ENR 3.1-1
1	332815N 1271953E	089° 270°	UNL 9 000 (1 500)				Daegu ACC FREQ: 128.175 MHz 128.325 MHz 122.75 MHz <sup>3)</sup>
	▲ SAMDO(FIR BDRY)	49.8	Class A, D, G			1	3) Common frequency
	333503N 1281857E 333451N 1281905E <sup>5)</sup>	5) BESSEL datur	n				Airspace Classification refer to ENR 3.1-1
	INCHEON FIR						
	FUKUOKA FIR						

Change: Information of reporting requirements for A595.

AIRAC AIP AMDT 2/23 Effective: 1600UTC 22 MAR 2023

_					1	
			Upper limits		Direction of	
			Lower limits or		cruising levels	-
	Route designator	Track MAG↑/↓	Minimum altitude(MOCA)			
١.	(RNP/RNAV)	VOR RDL	ft AMSL or FL	Lateral		Remarks
	Name of significant points Coordinates	DIST (COP)	Airspace classification	limits NM	Odd Even	Controlling unit channel Logon address
	1	2	3	4	5	6
	PYONGYANG FIR		J		J	0
	INCHEON FIR					
	B332					
	KANSU(FIR BDRY)					Daegu ACC
-	383800N 1322830E	180°		50	<b> </b>	
	00000014 10220002	360°		00	<b>\</b>	FREQ: 122.25 MHz
						125.925 MHz
$\triangle$	PALDU	40.2	UNL			122.75 MHz <sup>1)</sup>
	375813N 1323625E	<u>180</u> °				1) Common frequency
		360°	FL 200 (1 500)			
	SABET	19.9	(1 300)			
1	373829N 1324019E	180°	Class A, G			Airspace Classification
	07 0023N 1024013L	360°				refer to ENR 3.1-1
		300				
•	IGRAS(FIR BDRY)	19.9			↑	
	371846N 1324411E					
	INCHEON FIR					
	FUKUOKA FIR					
	B467					
$\triangle$	GANGWON VORTAC(KAE)					
1	374203N 1284514E	100°	UNL	10	<b>↓</b>	
		280°	8 000			
		200	(7 100)			Daegu ACC
			(1.100)			
	NOMEX	47.2	Class A, D, G			FREQ: 122.25 MHz
1	374112N 1294441E	100°	UNL			134.175 MHz
		100°	8 000			125.925 MHz
		280°	(1 500)			122.75 MHz <sup>2)</sup>
		25.0	(. 300)			2) Common frequency
	BUSKO	23.0	Class A, D, G			
	374033N 1301610E	4000	UNL			
		100°	8 000			Airspace Classification
		281°	(4 600)			refer to ENR 3.1-1
		62.2	(+ 000)			IGIGI IO EINT 3.1-1
$\triangle$	TENAS	62.2	Class A, D, G			
1	373820N 1313427E	044°		50	1	
		224°	LIKII			
			UNL			
	MALSO	20.0	FL 200			
	375440N 1314904E	044°	(1 500)			
		225°	Close A C			
			Class A, G			
_	KANSU(FIR BDRY)	53.3			<u> </u>	
	383800N 1322830E					
	INCHEON FIR					
	PYONGYANG FIR					

Change : Information of reporting requirements for B332 and B467.

			Upper lim	nite		Direct	ion of	
			Lower lim				j levels	
Route designator (RNP/RNAV) Name of significant points Coordinates	MA VOF D	rack G↑/↓ R RDL IST OP)	or Minimum altitude ft AMSL or Airspace class	r FL	Lateral limits NM	Odd	Even	Remarks Controlling unit channel Logon address
1		2	3		4 5			6
B576*								Daegu ACC
△ ANYANG VORTAC(SEL) 372449N 1265542E	174° 354°		UNL		10		<b>\</b>	FREQ : 132.80 MHz 128.70 MHz 122.75 MHz <sup>1)</sup>
□ △ POLEG	12.4		4 500	-				1) Common frequency
371249N 1265935E	174° 354°		(3 400) Class A, D					Airspace Classification refer to ENR 3.1-1
△ SONGTAN VORTAC(SOT) 370540N 1270154E	7.4 194° 014°			(2 800)				Incheon ACC
▲ OLMEN 364413N 1265928E	21.5 194°		_13 000	, ,				FREQ: 126.175 MHz 134.375 MHz 132.20 MHz <sup>2)</sup>
▲ ENTEL	014° 21.1	(59/59)	7 000	(3 600)				<ol> <li>Common frequency         Airspace Classification refer to ENR 3.1-1     </li> </ol>
362311N 1265705E  △ RINBO	194° 013° 29.4	KUZ R-060/	Class D UNL**	(3 100)				* Note B576 is only used for Non-RNAV aircraft.
355352N 1265349E	193° 013°	D 19.1	FL 140	(3 400)				Any aircraft approved for RNAV operations should use Y711 or Y722.
▲ LINTA	22.7		Class A, D, G					usc 1711 of 1722.
353116N 1265119E	193° 013°			(4 700)				Incheon ACC FREQ: 123.725 MHz 124.50 MHz
△ GWANGJU VOR(KWA)	23.8							132.20 MHz <sup>3)</sup>
350734N 1264844E ▲ IPDAS	193° 012° 52.5		13 000 8 000					Common frequency     Airspace Classification     refer to ENR 3.1-1
I IFDAS	32.3		(4 700)					
341515N 1264301E		(50/50)	Class D	UNL**				Incheon ACC
	193° 012° 52.3	(52/52)	13 000 9 000	FL 140				FREQ: 124.525 MHz 132.425 MHz 132.20 MHz <sup>4)</sup> 4) Common frequency
△ JEJU VORTAC(CJU)			(8 700)					Airspace Classification
000005N 40007075			Class D					refer to ENR 3.1-1
332305N 1263727E	207° 027°		UNL 9 000 (8 700)	-				** Note Any aircraft planning
▲ SOSDO	24.3		(0 700)					to operate above FL 140 between SOT and CJU
330012N 1262735E	207° 027°		Class A, D	), G				must coordinate with Incheon ACC before flight planning.
△ SAMLO	027° 29.5							giit pidilililig.
323223N 1261536E	207° 027°							Incheon ACC
△ NIRAT 320354N 1260329E	30.2 207° 027°		UNL 8 000 (1 500)	-				FREQ : (At or above FL 335) 133.425 MHz 132.425 MHz 132.20 MHz <sup>5)</sup>
△ ELGEP 314653N 1255617E	18.1 207° 027°		(1 500) Class A, D					(below FL 335) 125.725 MHz 132.825 MHz
▲ TESIM 313526N 1255128E	12.1 207°							128.375 MHz 132.20 MHz <sup>5)</sup> 5) Common frequency
▲ ATOTI(FIR BDRY) 300013N 1251154E	027° 100.9					<b>↑</b>		Airspace Classification refer to ENR 3.1-1
300000N 1251200E <sup>2)</sup> INCHEON FIR	2) BES	SEL dat	um					
FUKUOKA FIR	44.515.5	£	A/A 1 55 121	f 00	т	. 40.000		1
NAVAID(DME) GAP : Between required			NA and 55 NM information.	irom SO	vi, Delow	10 000	IT AMS	L, request to controller is

Change : Information of reporting requirements for B576. **OFFICE OF CIVIL AVIATION** AIRAC AIP AMDT 2/23 Effective: 1600UTC 22 MAR 2023

	Route designator (RNP/RNAV) Name of significant points Coordinates	VOR RDL DIST (COP)	Upper limits Lower limits or Minimum altitude(MOCA) ft AMSL or FL Airspace classification	Lateral limits NM	cruising	ion of levels	Remarks Controlling unit channel Logon address
L	1	2	3	4		5	6
I	G339  △ BUSAN VORTAC(PSN)  350721N 1285958E			8	<b> </b>		Daegu ACC
		149° 330°	UNL 10 000 (3 400)				FREQ: 125.375 MHz 125.775 MHz 124.575 MHz
	▲ INVOK(FIR BDRY) 344719N 1291923E	25.6	Class A, D, G			<b>↑</b>	122.75 MHz <sup>1)</sup> 1) Common frequency
	344708N 1291931E <sup>2)</sup> INCHEON FIR	2) BESSEL datu	ım				Airspace Classification refer to ENR 3.1-1
	FUKUOKA FIR						

Change : Information of reporting requirements for G339. OFFICE OF CIVIL AVIATION AIRAC AIP AMDT 2/23 Effective: 1600UTC 22 MAR 2023

5.4.4.4.4			Upper limits Lower limits or			tion of	
Route designator (RNP/RNAV) Name of significant points Coordinates	VOI	MAG↑/↓ R RDL DIST COP) 2	Minimum altitude(MOCA) ft AMSL or FL Airspace classification	Lateral limits NM 4	Odd	<u>Even</u>	Remarks Controlling unit chanr Logon address 6
G585			0	-		,	Daegu ACC
ANYANG VORTAC(SEL)		I			1.1		FREQ: 132.80 MHz
372449N 1265542E	133° 313° 10.7			8	<b>↓</b>		128.70 MHz 118.925 MHz 120.525 MHz 122.75 MHz <sup>1)</sup>
	10.7		UNL				1) Common frequency
△ KALMA 371845N 1270645E	133° 313°		8 000 (3 400) Class A, D, G				Only flying westbound from KPO to SEL on G585 is authorized except ACFT departin from RKTY or RKTI.
	19.3						Aircraft flying eastbou
△ KAKSO 370745N 1272637E							from SEL to KPO at above 11 000 ft on G585 shall get PPR 2 hours before from Daegu ACC.
	133°		UNL				No PPR is needed at or below 10 000 ft.
	313°	(50/32)	8 000 (3 600) Class A, D, G				Airspace Classification refer to ENR 3.1-1
			Oldoo 71, 2, 0				
<b>■</b> GUKDO							
370111N 1273823E	133°		UNL 8 000				Daegu ACC
△ ENSAL	313° 9.2		8 000 (3 700) Class A, D, G				FREQ: 120.575 MHz
365554N 1274747E	133° 314°		UNL 8 000				119.357 MHz 134.375 MHz 122.75 MHz <sup>2)</sup>
△ BASEM	9.2		(4 000) Class A, D, G				
365037N 1275710E	134°	-	UNL				2) Common frequency
	314°		8 000 (5 000)				Only flying westbound from KPO to SEL on
▲ BIGOB	12.5		Class A, D, G				G585 is authorized except ACFT departir
364325N 1280952E	134°		UNL 8 000				from RKTY or RKTI.
YECHEON VOR(CUN)	314° 9.5		8 000 (4 900)				Aircraft flying eastbou
363755N 1281931E	9.5 133°		Class A, D, G UNL				from SEL to KPO at above 11 000 ft on
555,5514 1251501L	313°		8 000 (3 900)				G585 shall get PPR :
△ ELAPI	30.8	(24/04)	Class A, D, G				Incheon/Daegu ACC.
362014N 1285051E	133° 314°	(34/34)	UNL 8 000 (5 000)				No PPR is needed a or below 10 000 ft.
POHANG VORTAC(KPO)	37.3		Class A, D, G				Airspace Classification refer to ENR 3.1-1
355838N 1292828E	107° 287°		UNL ,8 000				. 5.6. 15 ENT 0.1-1
▲ BULGA	17.2		(3 500) Class A, D, G				
355609N 1294924E	107° 287°		UNL 8 000				
▲ SAPRA(FIR BDRY)	44.4		(1 500) Class A, D, G				
354926N 1304325E			Ulass A, D, G				
354915N 1304334E <sup>3)</sup>	3) BE	SSEL dat	um				
INCHEON FIR							
FUKUOKA FIR							

Change : Information of reporting requirements for G585. OFFICE OF CIVIL AVIATION

AIRAC AIP AMDT 2/23

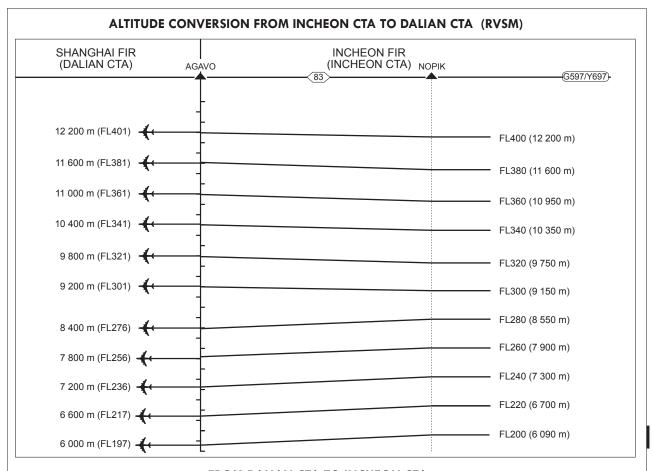
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			Upper limits Lower limits			ion of	
Route designator	Track N	/AG↑/↓	or		or unon ne	,	
(RNP/RNAV) Name of significant points	VOR	RDL IST	Minimum altitude(MOCA) ft AMSL or FL	IIMIIS	044	- Fivon	Remarks Controlling unit channel
Coordinates 1		OP) 2	Airspace classification 3	NM 4	Odd	Even	Logoň address 6
SHANGHAI FIR INCHEON FIR	_						
G597							Daegu ACC
▲ AGAVO(FIR BDRY) 371010N 1235953E	096°			10			FREQ: 128.70 MHz
371000N 1240000E <sup>5)</sup>	276°						132.80 MHz 122.75 MHz <sup>1)</sup> 1) Common frequency
△ GONAV	20.0						Westhound(SEL-AGAVO)
371048N 1242453E	066° 246°						FL 400, FL 380, FL 360, FL 340, FL 320, FL 300,
I ▲ DANTI	13.8						FL 400, FL 380, FL 360, FL 340, FL 320, FL 300, FL 280, FL 260, FL 240, FL 220, FL 200.
371806N 1243929E	066°		UNL FL 150				* Note
△ ANSIM	247° 10.0		(1 500) Class A, D, G				G597 is only for Non-RNAV aircraft. Any aircraft approved for
372323N 1245009E	097°		, , , -				Any aircraft approved for RNAV operations should use Y697.
I ▲ BINIL	277° 19.0						Only flying westbound
372349N 1251359E	097°						Only flying westbound from SEL to AGAVO on G597 is authorized.
A NORW	278°						(Unless otherwise assigned by ATC, flying eastbound in this airway shall not be used.)
■ NOPIK 372412N 1253905E	20.0 098°		UNL				
	278°		8 000 (2 200)				Aircraft flying eastbound from AGAVO to SEL on G597 shall get PPR 24 hours before from Incheon
△ GOGET	41.0		Class A, D, G				hours before from Incheon ACC.
372442N 1263036E	098° 278°		UNL 8 000				REF. ENR 3.1-9 for the
△ ANYANG VORTAC(SEL)	20.0		(3 400) Class A, D, G			1	detailed altitude conversion procedures.
372449N 1265542E	087°		UNL 7 500		Ţ		Daegu ACC
^ FOOD4	267° 22.0		(3 500)				FREQ: 132.80 MHz
△ EGOBA 372915N 1272246E	087°	_	Class A, D, G UNL				118.925 MHz 122.75 MHz <sup>2)</sup>
	267°		7 500 (5 100)				2) Common frequency
▲ KARBU 373159N 1273952E	13.9		Class A, D, G UNL				
373139N 1273932L	087° 268°	(44/45)	7 500				Daegu ACC
▲ TORUS	22.9		(5 600) Class A, D, G				FREQ: 134.175 MHz 123.65 MHz
373625N 1280807E	087° 268°		UNL 7 500				122.75 MHz <sup>3)</sup>
I ▲ BIKSI	21.8		(7 500)				3) Common frequency
374032N 1283504E			Class A, D, G UNL				Airspace Classification refer to ENR 3.1-1
	088° 268°		7 500 (7 100)				
△ GANGWON VORTAC(KAE) 374203N 1284514E	8.2		Class A, D, G UNL				
01720011 1204014L	130° 310°		8 000				Daegu ACC
▲ PILIT	30.0		(7 100) Class A, D, G				FREQ: 134.175 MHz
372631N 1291731E	130° 310°		UNL 9 000				123.65 MHz 122.75 MHz <sup>4)</sup>
▲ NIMUS	27.5		(3 100) Class A, D, G				4) Common frequency
371210N 1294656E	130° 311°		Olass A, D, G				Only flying westbound from LANAT to KAE on
△ AGSUS	311° 50.8		UNL				G597 shall get 24 HR
364521N 1304044E			9 000 (1 500)				PPR from Daegu ACC.
▲ LANAT(FIR BDRY)	131° 311°		Class A, D and G				Airspace Classification refer to ENR 3.1-1
362224N 1312542E	42.9	NEL -4-4				1	
362213N 1312551E <sup>5)</sup> INCHEON FIR	) RESS	SEL datur					
FUKUOKA FIR							

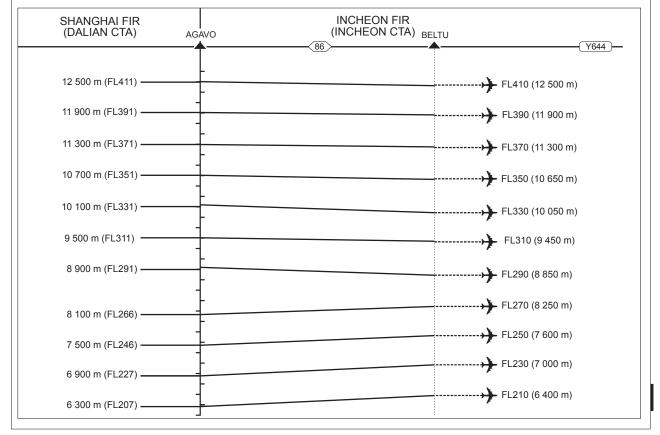
Change : Information of reporting requirements for G597. OFFICE OF CIVIL AVIATION

AIRAC AIP AMDT 2/23

Effective: 1600UTC 22 MAR 2023







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### 3.1.2 DOMESTIC ATS ROUTES

	Route designator (RNP/RNAV) ame of significant points Coordinates 1	Track MAG↑/↓ VOR RDL DIST (COP) 2	Upper limits Lower limits or Minimum altitude(MOCA) ft AMSL or FL  Airspace classification	Lateral limits NM 4	Direct cruising Odd	Even	Remarks Controlling unit channel Logon address 6
	PILIT 372631N 1291731E KAE R 128/30 DME KPO R 001/88 DME NOBUT 370715N 1291957E	183° 003° 19.3 183° 003°	UNL 9 000 (7 000) Class A, D, G UNL 9 000 (6 400)	8		<b>\</b>	Daegu ACC  FREQ: 134.175 MHz
•	LOSTO 362016N 1292548E	47.2 183° 003°	Class A, D, G  UNL 9 000 (3 300)				<ol> <li>1. 11 000 ft to FL 240, at or above FL 280 will be blocked.</li> <li>2. At or above 11 000 ft,</li> </ol>
٦	POHANG VORTAC(KPO) 355838N 1292828E	21.7 213° 032°	Class A, D, G  UNL  9 000 (4 200)				required 15 days PPR from Air Traffic Management Office.  3. Airspace Classification
•	APARU 352442N 1290932E	37.2 213° 032°	Class A, D, G  UNL  9 000 (4 400)				refer to ENR 3.1-1
7	BUSAN VORTAC(PSN) 350721N 1285958E	19.0	Class A, D, G		<u> </u>		

Change: Information of reporting requirements for V11.

1	Route designator (RNP/RNAV) Name of significant points	VOF D	MAG↑/↓ R RDL	Upper limits Lower limits or Minimum altitude(MOCA) ft AMSL or FL	Lateral limits	cruising	tion of g levels	Remarks Controlling unit channel
	Coordinates	(C	OP)	Airspace classification	NM	Odd	Even	Logon address
-	V543		2	3	4	;	5	6
	DALSU							
	350731N 1264206E			UNL	10	1		
		097° 277°		8 000 (2 500)		,		
	GWANGJU VOR(KWA)	5.4		Class A, D, G				Incheon ACC
	350734N 1264844E			UNL				moneon Acc
		097° 277°		8 000				FREQ: 120.725 MHz
				(2 000)				128.30 MHz
	SAMUL	2.6		Class A, D, G				123.725 MHz 124.50 MHz
	350736N 1265154E	007°	1	UNL				132.20 MHz <sup>1)</sup>
		097° 278°		8 000				1) Common frequency
				(5 200)				Airspace Classification
	TEDAN	22.1		Class A, D, G				refer to ENR 3.1-1
	350744N 1271852E	098°	]	UNL				
		278°		8 000				
	ANUBA	13.5		(8 000)				
	350746N 1273523E			Class A, D, G				
		098°		UNL				
		279°	(25/83)	8 000				
		44.7	(20/00)	(8 000)				
	SAPDI			Class A, D, G				
	350737N 1282952E	098°		UNL				
		278°		8 000				Daegu ACC
]		1.6		(3 800)				
	SARAM			Class A, D, G				FREQ: 125.375 MHz
	350736N 1283147E	099°		UNL				125.775 MHz 124.575 MHz
		279°		8 000				124.575 MHz <sup>2)</sup>
		11.9		(4 000)				2) Common frequency
	ANKUS			Class A, D, G				Aironago Olasaifi41
	350730N 1284616E	099°		UNL				Airspace Classification refer to ENR 3.1-1
		279°		8 000 (3 500)				
	DUI 244 1 1 2 D = 1 2 ( - 2 · 1)	11.2		, ,				
	` '			Class A, D, G			<u> </u>	
	350721N 1285958E							
	\/E47							
_	V547							Incheon ACC
	GWANGJU VOR(KWA) 350734N 1264844E				10			FREQ: 123.725 MHz
	300/34N 1204844E	072°		10 000	10	↓		124.50 MHz 132.20 MHz <sup>3)</sup>
		253°		9 000				3) Common frequency
				(8 600)				Airspace Classification
	long!/	54.7	(40/40)	Class D				refer to ENR 3.1-1
•	IGDOK		(48/48)					
	353104N 1274907E	<u>073</u> °		10 000				Daegu ACC
		254°		9 000 (5 000)				FREQ: 125.375 MHz 125.775 MHz
	DALOGONO MODELO/FORM	41.6						124.575 MHz
	DALSEONG VORTAC(TGU)	71.0		Class D			<u> </u>	122.75 MHz <sup>4)</sup> 4) Common frequency
	354835N 1283527E							
								Airspace Classification refer to ENR 3.1-1

Change : Information of reporting requirements for V543 and V547.

			Upper limits		Direct	ion of	
			Lower limits		cruising		
Route designator (RNP/RNAV) Name of significant points Coordinates	Track M VOR DIS (CC	RDL ST	or Minimum altitude(MOCA) ft AMSL or FL Airspace classification	Lateral limits NM	Odd	Even	Remarks Controlling unit channel Logon address
1	2	2	3	4		5	6
V549  △ GUNSAN VORTAC(KUZ)							
△ GUNSAN VORTAC(KUZ) 355437N 1263641E	101° 281°			10	<b> </b>		Incheon ACC FREQ: 132.15 MHz 126.175 MHz
△ ELPOS 355410N 1264707E	8.5 101° 281°		10 000 7 000 (1 800) Class D				123.55 MHz 134.375 MHz 132.20 MHz <sup>1)</sup> 1) Common frequency
△ RINBO	5.5						Airspace Classification refer to ENR 3.1-1
355352N 1265349E	101° 282°	(49/48)	10 000 7 000 (3 500)				
△ MELES 355251N 1271542E	17.8 102° 282°		Class D  10 000 7 000 (5 000)				
△ OPEDA	17.2		Class D				
355149N 1273652E	102° 282°		10 000 7 000 (6 600)				Daegu ACC FREQ: 125.375 MHz 125.775 MHz
△ DALSEONG VORTAC(TGU) 354835N 1283527E	085° 265°		Class D				124.575 MHz 122.75 MHz <sup>2)</sup> 2) Common frequency
■ LAPAL	04.0		UNL				Airspace Classification
355413N 1290452E	24.6 085° 265°		6 000 (5 400) Class A, D, G				refer to ENR 3.1-1 TGU is used between
△ POHANG VORTAC(KPO) 355838N 1292828E	19.7					<u> </u>	TGU and KPO.
W45  △ GWANGJU TACAN(KWJ)  350723N 1264810E				10	↓	I	Incheon ACC FREQ: 123.725 MHz
330723N 1204010E	097° 278°		UNL 8 000 (8 000)	10	•		124.50 MHz 132.20 MHz <sup>3)</sup> 3) Common frequency
△ RIMPO	38.4		Class A, D, G				Between RIMPO and RUNIT 11 000 ft AMSL to FL 190 VMC-IMC use for training purpose.
350739N 1273502E	098° 278°	(23/85)	UNL 8 000 (8 000)				Airspace Classification refer to ENR 3.1-1
▲ RUNIT	45.1		Class A, D, G				Daegu ACC
350734N 1282952E	098° 279°		UNL 8 000 (4 000)				FREQ: 125.375 MHz 125.775 MHz 124.575 MHz 122.75 MHz <sup>4)</sup> 4) Common frequency
△ BUSAN VORTAC(PSN) 350721N 1285958E	24.7		Class A, D, G			<u> </u>	Between RIMPO and RUNIT 11 000 ft AMSL to FL 190 VMC-IMC use for training purpose.
							Airspace Classification refer to ENR 3.1-1

Change: Information of reporting requirements for V549 and W45.

OFFICE OF CIVIL AVIATION AIRAC AIP AMDT 2/23

		Upper limits Lower limits or		Direction of cruising levels		
Route designator (RNP/RNAV) Name of significant points Coordinates	Track MAG↑/↓ VOR RDL DIST (COP)	Minimum altitude(MOCA) ft AMSL or FL Airspace classification	Lateral limits NM	Odd	Even	Remarks Controlling unit channel Logon address
1	2	3	4		5	6
W61						
△ SONGTAN VORTAC(SOT)						
370540N 1270154E	316° 136°	8 000 (2 400)	10		<b>↓</b>	Daegu ACC FREQ: 128.70 MHz 132.80 MHz
▲ MONSI	11.7	Class A, D, G				122.75 MHz <sup>1)</sup>
371247N 1265015E	316° 136°	UNL 8 000 (3 200)				Common frequency     Airspace Classification     refer to ENR 3.1-1
△ GOGET	19.7	Class A, D, G		<b>↑</b>		Telef to ENR 3.1-1
372442N 1263036E		Clado 71, D, C		ı		
W62						
△ SONGTAN VORTAC(SOT)						
370540N 1270154E			10	↓		Daegu ACC
	044°	UNL		•		
	044° 224°	FL 140 (4 600)				FREQ: 128.70MHz 132.80 MHz 122.75 MHz <sup>2)</sup>
△ EGOBA	28.8	Class A, D, G			<b>↑</b>	2) Common frequency
372915N 1272246E						Airspace Classification refer to ENR 3.1-1
W526						
☐ △ DALSEONG VORTAC(TGU)						
354835N 1283527E	4000	UNL	10	I		
334033N 1203327E	192° 012°	5 000 (4 900)	10		•	Daegu ACC FREQ: 125.375 MHz
▲ MASTA	19.8	Class A, D, G				125.775 MHz
352847N 1283340E	192°	UNL				123.775 MHz
3320 12333 102	192° 012°	5 000 (3 800)				122.75 MHz <sup>3)</sup> 3) Common frequency
▲ SARAM	21.2	Class A, D, G				
350736N 1283147E	192° 012°	UNL 5 000 (3 200)				Airspace Classification refer to ENR 3.1-1
▲ TOPAX	21.7	Class A, D, G		<b>1</b>		
344555N 1282952E		UIA33 A, D, G				

Change: Information of reporting requirements for W61, W62 and W526.