# **ENR 3. ATS ROUTES**

## **ENR 3.1 Lower ATS routes**

## 3.1.1 INTERNATIONAL ATS ROUTES

		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
A582  △ ANYANG VORTAC(SEL)  372449N 1265542E	174°		10	<b> </b>		Daegu ACC FREQ: 132.80 MHz
△ POLEG 371249N 1265935E	354° 12.4 174° 354°	UNL 4 500 (3 400) Class A, D, G				118.925 MHz 122.75 MHz <sup>1)</sup> 1) Common frequency
△ SONGTAN VORTAC(SOT) 370540N 1270154E	7.4 144° 324°	UNL				Airspace Classification Class A: Above FL 200 - FL 600 Class D: MEA - FL 200
▲ OSPOT 365018N 1272055E	21.6 144° 324°	8 000 (3 300) Class A, D, G				Class G : Above FL 600 - UNL  Daegu ACC
▲ VASLI 364252N 1273003E	10.4 144° 324° (69/39)	UNL 8 000 (4 300)				FREQ : 125.375 MHz 125.775 MHz 124.575 MHz 122.75 MHz <sup>2)</sup>
▲ MAKDU 362712N 1274909E	21.9 144° 324°	Class A, D, G  UNL  8 000 (4 400)				2) Common frequency  Airspace Classification Class A:
▲ BITUX 361645N 1280148E	14.6 144° 324°	Class A, D, G  UNL 10 000 (5 200)				Above FL 200 - FL 600 Class D : MEA - FL 200 Class G : Above FL 600 - UNL
△ DALSEONG VORTAC(TGU) 354835N 1283527E	39.2 162°	Class A, D, G				
▲ KALOD 353012N 1284626E	342° 20.4 162° 342°	UNL 6 000 (5 400) Class A, D, G				
△ BUSAN VORTAC(PSN) 350721N 1285958E	25.4 162° 342°	UNL 4 000 (3 000)				
▲ APELA(FIR BDRY) 344323N 1291400E	26.6	Class A, D, G			1	
INCHEON FIR FUKUOKA FIR						
. 51(0010(111)	1					

				per limits wer limits			ion of	
Route designator (RNP/RNAV) Name of significant points Coordinates		MAG↑/↓ R RDL DIST COP)	Minimum ft Al	or altitude(MOCA) MSL or FL c classification	Lateral limits NM	Odd	Even	Remarks Controlling unit channel Logon address
1		2		3	4		5	6
A586*  △ TENAS								
373820N 1313427E	227° 047°			UNL 310(4 600)	10		<b> </b>	Daegu ACC
△ AGSUS 364521N 1304044E	68.1 228° 048°		Cla	ass A, G				FREQ: 122.25 MHz 134.175 MHz
▲ DABIK 361743N 1301143E	36.2 228° 048°			UNL 310(1 500) ass A, G				120.575 MHz 125.925 MHz 122.75 MHz <sup>1)</sup> 1) Common frequency
▲ BULGA 355609N 1294924E	28.1 228° 048°			UNL 310(2 900)				Airspace Classification refer to ENR 3.1-1
■ BEDOM 352513N 1291754E	40.2 228° 047° 23.1		FL	UNL 310(4 000) ass A, G				
△ BUSAN VORTAC(PSN) 350721N 1285958E	23.1 237° 057°		Cie	10 000				Daegu ACC
△ <b>OMOTU</b>	10.4			8 000(3 500) Class D				FREQ: 125.375 MHz 124.575 MHz
350033N 1285022E	237° 057° 22.3			10 000 8 000(3 200) Class D				122.75 MHz <sup>2)</sup> 2) Common frequency Airspace Classification
▲ TOPAX 344555N 1282952E				10 000				refer to ENR 3.1-1  Daegu ACC
▲ GOSBO	237° 057° 46.4			8 000(2 800) Class D				FREQ: 128.175 MHz
341517N 1274734E	237° 056° 30.7	(79/78)	UNL** 11 000	10 000 8 000(2 000) Class D				128.325 MHz 122.75 MHz <sup>3)</sup> 3) Common frequency Airspace Classification
▲ MAKET 335452N 1271953E	236°			10 000				refer to ENR 3.1-1
△ ATINA	236° 056° 17.3			8 000(1 500) Class D				Incheon ACC FREQ: 124.525 MHz
334320N 1270423E	236° 056°			10 000 8 000(1 500)				132.425 MHz 132.20 MHz <sup>4)</sup>
△ MANOL 333629N 1265514E	10.3 235°			Class D				4) Common frequency
△ JEJU VORTAC(CJU)	055° 20.0			9 000(8 700) Class D				Airspace Classification refer to ENR 3.1-1
332305N 1263727E	169° 349°			UNL 00(8 700)				* The cruising levels
▲ TOSAN 330012N 1264619E	24.0 169° 349°			UNL				from CJU to RUGMA are even levels due to operational reasons
▲ RUGMA(FIR BDRY) 323012N 1265753E	349°			00(1 500) ss A, D, G		<u> </u>		** The cruising levels from RUGMA to CJU are odd levels due to operational reasons.
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.

 <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.

Route designator (RNP/RNAV) Name of significant points Coordinates	Track MAG↑/↓ VOR RDL DIST (COP)	Upper limits Lower limits or Minimum altitude(MOCA) ft AMSL or FL Airspace classification	Lateral limits NM	Direction of cruising levels  Odd Even	Remarks Controlling unit channel Logon address
1	2	3	4	5	6
FUKUOKA FIR					
INCHEON FIR  A593  ▲ ONIKU(FIR BDRY)			50		Incheon ACC
321142N 1263917E  △ NIRAT 320354N 1260329E	263° 082° 31.4 263° 083°	UNL	50	•	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 128.375 MHz 132.20 MHz <sup>1</sup> ) 1) Common frequency
△ PONIK 320021N 1254659E	262° 082°	(1 500)  Class A, G			Airspace Classification refer to ENR 3.1-1
▲ SADLI 314948N 1250000E	41.4 263° 082°	-		<b>1</b>	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			1	
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

			, , , , , , , , , , , , , , , , , , , ,				
Δ	<b>A595</b> JEJU VORTAC(CJU) 332305N 1263727E			8			Incheon ACC FREQ: 124.525 MHz
	332303N 1203727E	089° 269°	UNL 9 000 (8 700)	0	<b>\</b>		132.425 MHz 132.20 MHz <sup>2)</sup> 2) Common frequency Airspace Classification
١.	TANANA	35.9	Class A, D, G				refer to ENR 3.1-1
_	TAMNA						Daegu ACC
	332815N 1271953E	089° 270°	9 000 (1 500)				FREQ: 128.175 MHz 128.325 MHz 122.75 MHz <sup>3)</sup>
<b>A</b>	SAMDO(FIR BDRY)	49.8	Class A, D, G			<b>↑</b>	3) Common frequency
	333503N 1281857E					·	Airspace Classification refer to ENR 3.1-1
	INCHEON FIR						

Change: Withdrawal of Bessel datum for SAMDO.

FUKUOKA FIR

			Upper limits			tion of	
	Route designator (RNP/RNAV) of significant points Coordinates	Track MAG↑/↓ VOR RDL DIST (COP)	Lower limits 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
	PYONGYANG FIR						
3836 △ PAL 3756	NSU(FIR BDRY) 800N 1322830E .DU 813N 1323625E	180° 360° 40.2 180° 360°	- UNL FL 200 (1 500)	50	<b>↓</b>		Daegu ACC  FREQ: 122.25 MHz 125.925 MHz 122.75 MHz <sup>1)</sup> 1) Common frequency
	829N 1324019E	180° 360°	Class A, G				Airspace Classification refer to ENR 3.1-1
	AS(FIR BDRY) 846N 1324411E	19.9				<u> </u>	
	INCHEON FIR						
	FUKUOKA FIR						
	7 NGWON VORTAC(KAE) 203N 1284514E	100°	UNL	10	↓		
		280°	8 000 (7 100)				Daegu ACC
▲ NON 374	MEX 112N 1294441E	47.2 100° 280°	Class A, D, G  UNL  8 000				FREQ: 122.25 MHz 134.175 MHz 125.925 MHz 122.75 MHz <sup>2)</sup>
△ BUS	SKO 033N 1301610E	25.0	(1 500) Class A, D, G UNL				2) Common frequency
		100° 281° 62.2	8 000 (4 600)				Airspace Classification refer to ENR 3.1-1
△ TEN 3738	NAS 820N 1313427E	044° 224°	Class A, D, G UNL	50			
△ MAL 3754	LSO 440N 1314904E	20.0 044° 225°	FL 200 (1 500) Class A, G				
	NSU(FIR BDRY) 800N 1322830E	53.3	.,, -			1	
	INCHEON FIR						
	PYONGYANG FIR						

			Upper lii Lower lii				ion of levels	
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 3		Lateral limits NM	Odd	Even	Remarks Controlling unit channel Logon address 6
B576*		_					,	<del>-</del>
ANYANG VORTAC(SEL) 372449N 1265542E	174° 354°		UNL	_	10		1	Daegu ACC FREQ: 132.80 MHz 128.70 MHz 122.75 MHz <sup>1)</sup>
<ul> <li>△ POLEG 371249N 1265935E</li> <li>△ SONGTAN VORTAC(SOT)</li> </ul>	12.4 174° 354° 7.4		4 500 (3 400 Class A,	)				Airspace Classification refer to ENR 3.1-1
370540N 1270154E	194° 014° 21.5			(2 800)				Incheon ACC FREQ: 126.175 MHz 134.375 MHz
364413N 1265928E ▲ ENTEL	194° 014° 21.1	(50/50)	<u>13 000</u> 7 000	(3 600)				132.20 MHz <sup>2)</sup> 2) Common frequency Airspace Classification refer to ENR 3.1-1
362311N 1265705E  △ RINBO	194° 013° 29.4	(59/59) KUZ R-060/	Class D  UNL**	(3 100)				* Note B576 is only used for Non-RNAV aircraft.
355352N 1265349E <b>A</b> LINTA	193° 013° 22.7	D 19.1	FL 140 Class A, D, G	(3 400)				Any aircraft approved for RNAV operations should use Y711 or Y722.
353116N 1265119E    GWANGJU VOR(KWA)	193° 013° 23.8			(4 700)				Incheon ACC FREQ: 123.725 MHz 124.50 MHz 132.20 MHz <sup>3)</sup>
350734N 1264844E ▲ IPDAS	193° 012° 52.5		13 000 8 000 (4 700)					3) Common frequency Airspace Classification refer to ENR 3.1-1
341515N 1264301E  △ JEJU VORTAC(CJU)	193° 012° 52.3	(52/52)	Class D 13 000 9 000 (8 700)	UNL** FL 140				Incheon ACC FREQ: 124.525 MHz 132.425 MHz 132.20 MHz <sup>4)</sup> 4) Common frequency
332305N 1263727E	207° 027°		Class D UNL 9 000					Airspace Classification refer to ENR 3.1-1  ** Note Any aircraft planning
▲ SOSDO	24.3		(8 700 Class A,					to operate above FL 14 between SOT and CJU must coordinate with
330012N 1262735E  △ SAMLO	207° 027° 29.5							Incheon ACC before flight planning.
323223N 1261536E	207° 027°							Incheon ACC FREQ: (At or above FL33
△ NIRAT 320354N 1260329E	30.2 207° 027°		UNL 8 000 (1 500					133.425 MHz 132.425 MHz 132.20 MHz <sup>5)</sup>
△ ELGEP 314653N 1255617E	18.1 207° 027°		Class A,	D, G				(below FL 335) 125.725 MHz 132.825 MHz 128.375 MHz
▲ TESIM 313526N 1255128E	12.1 207° 027°							132.20 MHz <sup>5)</sup> 5) Common frequency
▲ ATOTI(FIR BDRY) 300013N 1251154E	100.9					<b>↑</b>		Airspace Classification refer to ENR 3.1-1
INCHEON FIR FUKUOKA FIR								

Change: Withdrawal of Bessel datum for ATOTI.

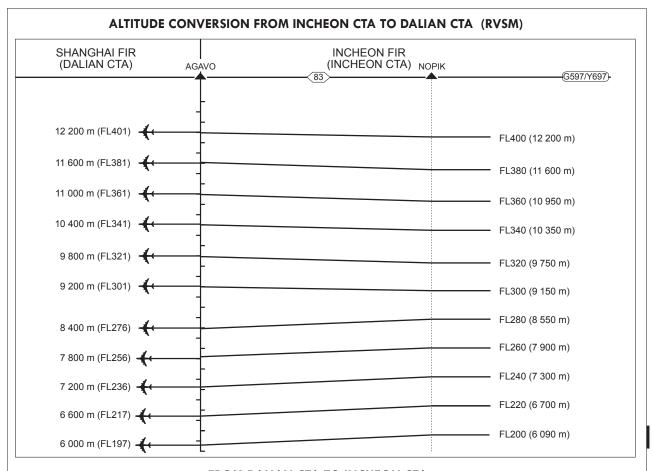
AIP ENR 3.1 - 6 Republic of Korea 29 JUN 2023

Route designator (RNP/RNAV)	Track MAG↑/↓ VOR RDL	Upper limits Lower limits or Minimum altitude(MOCA) ft AMSL or FL	Lateral		ion of g levels	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
G339    BUSAN VORTAC(PSN)  250724N 42950595			0			Daegu ACC
350721N 1285958E	149° 330°	UNL 10 000 (3 400)	8	<b>\</b>		FREQ: 125.375 MHz 125.775 MHz 124.575 MHz 122.75 MHz
▲ INVOK(FIR BDRY) 344719N 1291923E  INCHEON FIR	25.6	Class A, D, G			<u> </u>	1) Common frequency  Airspace Classification refer to ENR 3.1-1
FUKUOKA FIR						

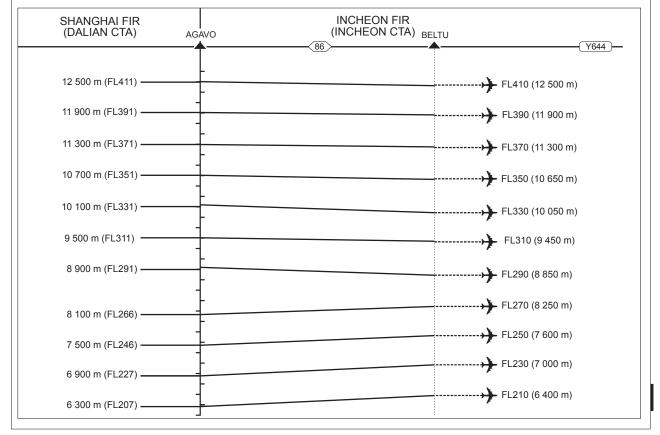
Doute designates	Tessi	MAC * / 1	Upper limits Lower limits or		Direction of cruising levels	_
Route designator (RNP/RNAV) Name of significant points Coordinates	VO	MAG↑/↓ R RDL DIST COP)	Minimum altitude(MOCA) ft AMSL or FL Airspace classification	Lateral limits NM	Odd Even	Remarks Controlling unit channel Logon address
1		2	3	4	5	6
G585						Daegu ACC
△ ANYANG VORTAC(SEL)				8		FREQ: 132.80 MHz
372449N 1265542E	133° 313°			8	*	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° 19.3		8 000 (3 400) Class A, D, G			Only flying westbound from KPO to SEL on G585 is authorized except ACFT departing from RKTY or RKTI.
	10.0					Aircraft flying eastbound
△ KAKSO 370745N 1272637E						from SEL to KPO at or above 11 000 ft on G585 shall get PPR 24 hours before from Daegu ACC.
	133° 313°		UNL 8 000 (3 600)			No PPR is needed at or below 10 000 ft. Airspace Classification
	11.5	(50/32)	Class A, D, G			refer to ENR 3.1-1
▲ GUKDO						
370111N 1273823E	133° 313°		UNL 8 000 (3 700)			Daegu ACC
△ ENSAL	9.2		Class A, D, G			FREQ: 120.575 MHz
365554N 1274747E	133° 314°		UNL 8 000 (4 000)			119.357 MHz 134.375 MHz 122.75 MHz <sup>2)</sup>
△ BASEM	9.2		Class A, D, G			2) Common frequency
365037N 1275710E	134° 314°		UNL 8 000 (5 000)			Only flying westbound from KPO to SEL on
▲ BIGOB	12.5		Class A, D, G			G585 is authorized
364325N 1280952E	134° 314°		UNL 8 000 (4 900)			except ACFT departing from RKTY or RKTI.
△ YECHEON VOR(CUN)	9.5		Class A, D, G			Aircraft flying eastbound from SEL to KPO at or
363755N 1281931E	133° 313°		UNL 8 000 (3 900)			above 11 000 ft on G585 shall get PPR 24 hours before from
△ ELAPI	30.8	(34/34)	Class A, D, G			Incheon/Daegu ACC.
362014N 1285051E	133° 314°	(37,01)	UNL 8 000 (5 000)			No PPR is needed at or below 10 000 ft. Airspace Classification
△ POHANG VORTAC(KPO)	37.3		Class A, D, G			refer to ENR 3.1-1
355838N 1292828E	107° 287°		UNL 8 000 (3 500)			
▲ BULGA	17.2		Class A, D, G			
355609N 1294924E	107° 287°		UNL 8 000 (1 500)			
▲ SAPRA(FIR BDRY)	44.4		Class A, D, G			
354926N 1304325E			, -, -,		, '	
INCHEON FIR FUKUOKA FIR						

29 JUN 2023

			Upper limits Lower limits		Direction		
Route designator	Track N	MAG↑/↓	or Minimum altitude(MOCA)		0.0.09		
(RNP/RNĂV) Name of significant points	VOR	R RDL IST	ft AMSL or FL	Lateral limits			Remarks Controlling unit channel
Coordinates	(C	OP)	Airspace classification	NM	Odd	Even	Logon address
SHANGHAI FIR		2	3	4	5		6
INCHEON FIR	1						
G597 ▲ AGAVO(FIR BDRY)							Daegu ACC
371010N 1235953E	096°			10			FREQ: 128.70 MHz
	276°						132.80 MHz 122.75 MHz <sup>1)</sup> 1) Common frequency
△ GONAV	20.0						· · ·
371048N 1242453E	066°						Westbound(SEL-AGAVO) FL 400, FL 380, FL 360,
	246°						FL 340, FL 320, FL 300, FL 280, FL 260, FL 240, FL 220, FL 200.
▲ DANTI 371806N 1243929E	13.8 066°		UNL				* Note
37 1000IN 1243929L	247°		FL 150 (1 500)				G597 is only for Non-RNAV aircraft.
$\triangle$ ANSIM	10.0		Class A, D, G				Any aircraft approved for RNAV operations should
372323N 1245009E	097° 277°						use Y697.
▲ BINIL	19.0						Only flying westbound from SEL to AGAVO on
372349N 1251359E	097°		-				C607 is authorized
	278°						(Unless otherwise assigned by ATC, flying
▲ NOPIK	20.0		LINII				eastbound in this airway shall not be used.)
372412N 1253905E	098° 278°		UNL 8 000				Aircraft flying eastbound
^ 000FT	41.0		(2 200)				from AGÁVŎ to SEL on G597 shall get PPR 24
△ GOGET 372442N 1263036E	098°		Class A, D, G UNL				hours before from Incheon ACC.
0.22	278°		8 000				REF. ENR 3.1-9 for the
△ ANYANG VORTAC(SEL)	20.0		(3 400) Class A, D, G			<b>↑</b>	detailed altitude conversion procedures.
372449N 1265542E	087°		UNL		<b>↓</b>	•	
	087° 267°		7 500 (3 500)				Daegu ACC
$\triangle$ EGOBA	22.0		Class A, D, G				FREQ: 132.80 MHz 118.925 MHz
372915N 1272246E	087° 267°		UNL 7 500				122.75 MHz <sup>2)</sup>
	13.9		(5 100)				2) Common frequency
▲ KARBU 373159N 1273952E			Class A, D, G UNL				
37313314 1273332L	087° 268°	(44/45)	7 500				Daegu ACC
▲ TORUS	22.9	(1., 10)	(5 600) Class A, D, G				FREQ: 134.175 MHz
373625N 1280807E	087°		UNL				123.65 MHz 122.75 MHz <sup>3)</sup>
	087° 268°		7 500 (7 500)				3) Common frequency
▲ BIKSI	21.8		Class A, D, G				Airspace Classification
374032N 1283504E	088° 268°		UNL 7 500				refer to ENR 3.1-1
	8.2		(7 100)				
△ GANGWON VORTAC(KAE) 374203N 1284514E			Class A, D, G UNL				
374203IN 1204314L	130° 310°		8 000				Daegu ACC
▲ PILIT	30.0		(7 100) Class A, D, G				FREQ: 134.175 MHz
372631N 1291731E	130°		UNL				123.65 MHz
	310°		9 000 (3 100)				122.75 MHz <sup>4)</sup> 4) Common frequency
▲ NIMUS	27.5		Class A, D, G				, ,
371210N 1294656E	130° 311°						Only flying westbound from LANAT to KAE on
△ AGSUS	50.8		UNL				G597 shall get 24 HR
364521N 1304044E	131°		9 000 (1 500)				PPR from Daegu ACC.
A LANAT/FID DDDV/	311°		Class A, D and G				Airspace Classification refer to ENR 3.1-1
▲ LANAT(FIR BDRY) 362224N 1312542E	42.9					<b>↑</b>	TOTAL TO LINK J. I-I
			1	<u>I</u>	1	<u> </u>	
INCHEON FIR FUKUOKA FIR	-						
I DINOCIAL LIIV	1						







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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.

OFFICE OF CIVIL AVIATION

AIRAC AIP AMDT 2/23

Effective: 1600UTC 22 MAR 2023

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/ES:	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.

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			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)				<b>Daegu ACC</b> 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.
<b>W45</b> △ 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.

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		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.

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