

## ENR 3. ATS ROUTES

### ENR 3.1 Lower ATS routes

#### 3.1.1 INTERNATIONAL ATS ROUTES

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		Lateral limits NM	Direction of cruising levels		Remarks Controlling unit channel Logon address
		Airspace classification			Odd	Even	
1	2	3		4	5		6
<b>A582</b> △ ANYANG VORTAC(SEL) 372449N 1265542E  △ POLEG 371249N 1265935E  △ SONGTAN VORTAC(SOT) 370540N 1270154E  ▲ OSPOT 365018N 1272055E  ▲ VASLI 364252N 1273003E  ▲ MAKDU 362712N 1274909E  ▲ BITUX 361645N 1280148E  △ DALSEONG VORTAC(TGU) 354835N 1283527E  ▲ KALOD 353012N 1284626E  △ BUSAN VORTAC(PSN) 350721N 1285958E  ▲ APELA(FIR BDRY) 344323N 1291400E  INCHEON FIR FUKUOKA FIR							<b>Daegu ACC</b>  FREQ : (at or below FL 295) 128.70(118.925) MHz 270.50(263.60) MHz  FREQ : (above FL 295) 132.80(120.525) MHz 290.60(335.45) MHz  <b>Airspace Classification</b> Class A : Above FL 200 - FL 600 Class D : MEA - FL 200 Class G : Above FL 600 - UNL  <b>Daegu ACC</b>  FREQ : 125.375(125.775, 124.575) MHz 234.15(317.35, 335.50) MHz  <b>Airspace Classification</b> Class A : Above FL 200 - FL 600 Class D : MEA - FL 200 Class G : Above FL 600 - UNL
	174° 354°		UNL 4 500 (3 400)  Class A, D, G	10	↓		
	12.4						
	174° 354°						
	7.4						
	144° 324°	(69/39)	UNL 8 000 (3 300)  Class A, D, G				
	21.6						
	144° 324°						
	10.4						
	144° 324°		UNL 8 000 (4 300) Class A, D, G				
	21.9						
	144° 324°		UNL 8 000 (4 400) Class A, D, G				
	14.6						
	144° 324°	UNL 10 000 (5 200) Class A, D, G					
	39.2						
162° 342°		UNL 6 000 (5 400) Class A, D, G					
20.4							
162° 342°							
25.4							
162° 342°		UNL 4 000 (3 000) Class A, D, G					
26.6							

Change : Information of frequencies.

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		Remarks Controlling unit channel Logon address	
					Odd	Even		
1	2	3		4	5		6	
<b>A586*</b>								
△ TENAS 373820N 1313427E	227° 047°	UNL FL 310(4 600) Class A, G		10		↓	<b>Daegu ACC</b>  FREQ : 122.250(125.925) MHz 263.350(263.85) MHz  Airspace Classification refer to ENR 3.1-1	
△ AGSUS 364521N 1304044E	68.1							
▲ DABIK 361743N 1301143E	228° 048°	UNL FL 310(1 500) Class A, G						
▲ BULGA 355609N 1294924E	36.2							
▲ BEDOM 352513N 1291754E	228° 048°							
△ BUSAN VORTAC(PSN) 350721N 1285958E	28.1							
	228° 048°	UNL FL 310(2 900) Class A, G						
	40.2							
	228° 047°	UNL FL 310(4 000) Class A, G						
	23.1							
	237° 057°	(79/78)	UNL** 11 000		10 000 8 000(3 500) Class D			<b>Daegu ACC</b>  FREQ : 125.375(125.775, 124.575) MHz 234.15(317.35, 335.50) MHz  Airspace Classification refer to ENR 3.1-1
△ OMOTU 350033N 1285022E	10.4				10 000 8 000(3 200) Class D			
	237° 057°				10 000 8 000(3 200) Class D			
	22.3							
▲ TOPAX 344555N 1282952E	237° 057°				10 000 8 000(2 800) Class D			
▲ GOSBO 341517N 1274734E	46.4				10 000 8 000(2 000) Class D			
	237° 056°				10 000 8 000(2 000) Class D			
▲ MAKET 335452N 1271953E	30.7				10 000 8 000(1 500) Class D			
	236° 056°				10 000 8 000(1 500) Class D			
△ ATINA 334320N 1270423E	17.3				10 000 8 000(1 500) Class D			
	236° 056°	10 000 9 000(8 700) Class D						
△ MANOL 333629N 1265514E	10.3							
	235° 055°							
△ JEJU VORTAC(CJU) 332305N 1263727E	20.0							
	169° 349°	UNL 9 000(8 700) Class A, D, G						
▲ TOSAN 330012N 1264619E	24.0							
	169° 349°	UNL 9 000(1 500) Class A, D, G						
▲ RUGMA(FIR BDRY) 323012N 1265753E	31.5				↑			
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.								
* 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.								

Change : Information of controlling unit and frequencies.

OFFICE OF CIVIL AVIATION

AIRAC AIP AMDT 11/23  
Effective : 1600UTC 29 NOV 2023

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		Remarks Controlling unit channel Logon address
				Odd	Even	
1	2	3	4	5		6
FUKUOKA FIR						
INCHEON FIR						
<b>A593</b> ▲ ONIKU(FIR BDRY) 321142N 1263917E	263° 082°	UNL FL 240 (1 500)  Class A, G	50		↓	<b>Incheon ACC</b>  FREQ: (at or above FL 335) 133.425(132.425) MHz 234.35(234.65) MHz  FREQ: (below FL 335) 125.725(132.825, 128.375) MHz 232.95(233.15) MHz  Airspace Classification refer to ENR 3.1-1  ※ Eastbound from SADLI to ONIKU is only for Non-approval of RNAV 2. Any aircraft approved for RNAV 2 operation should use Y590.
△ NIRAT 320354N 1260329E	31.4					
△ PONIK 320021N 1254659E	263° 083°					
▲ SADLI 314948N 1250000E	14.5					
	262° 082°					
▲ LAMEN(FIR BDRY) 313636N 1240000E	41.4				↓	
	263° 082°					
	52.8			↑		
INCHEON FIR						
SHANGHAI FIR						
<p>1. Delegation</p> <p>The responsibility of Air Traffic Services in the scope below within Incheon FIR is delegated to Shanghai ACC.</p> <ul style="list-style-type: none"> <li>- Horizontal scope : 320229N 1240000E - 321540N 1250000E - 312356N 1250000E - 311043N 1240000E</li> <li>- Vertical scope : FL 240 through FL 410 inclusive</li> </ul> <p>2. Flight Level Allocation Scheme (FLAS)</p> <p>(1) The west of SADLI</p> <ul style="list-style-type: none"> <li>- Eastbound : FL 250, FL 270, FL 290, FL 310, FL 330, FL 350, FL 370, FL 390, FL 410</li> <li>- Westbound : FL 240, FL 260, FL 280, FL 300, FL 320, FL 340, FL 360, FL 380, FL 400</li> </ul> <p>(2) The east of SADLI</p> <ul style="list-style-type: none"> <li>- Eastbound(From Shanghai FIR To Fukuoka FIR) : FL 250, FL 290, FL 310, FL 390</li> <li>- Westbound(From Fukuoka FIR To Shanghai FIR) : FL 240, FL 280, FL 300, FL 400</li> </ul>						
<b>A595</b> △ JEJU VORTAC(CJU) 332305N 1263727E	089° 269°	UNL 9 000 (8 700)  Class A, D, G	8	↓		<b>Incheon ACC</b>  FREQ : 124.525(132.425) MHz 255.40(233.50, 348.10) MHz  Airspace Classification refer to ENR 3.1-1
▲ TAMNA 332815N 1271953E	35.9					
▲ SAMDO(FIR BDRY) 333503N 1281857E	089° 270°	UNL 9 000 (1 500)  Class A, D, G			↑	
	49.8					
INCHEON FIR						
FUKUOKA FIR						

Change : Information of controlling unit and frequencies.

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		Remarks Controlling unit channel Logon address
				Odd	Even	
1	2	3	4	5		6
PYONGYANG FIR						
INCHEON FIR						
<b>B332</b> ▲ KANSU(FIR BDRY) 383800N 1322830E	180° 360°	UNL FL 200 (1 500)  Class A, G	50	↓		<b>Daegu ACC</b>  FREQ : 122.250(125.925) MHz 263.350(263.85) MHz  Airspace Classification refer to ENR 3.1-1
△ PALDU 375813N 1323625E	40.2 180° 360°					
△ SABET 373829N 1324019E	19.9 180° 360°					
▲ IGRAS(FIR BDRY) 371846N 1324411E	19.9					
INCHEON FIR						
FUKUOKA FIR						
<b>B467</b> △ GANGWON VORTAC(KAE) 374203N 1284514E	100° 280°	UNL 8 000 (7 100)	10	↓		<b>Daegu ACC</b>  FREQ : 122.250(125.925) MHz 263.350(263.85) MHz  Airspace Classification refer to ENR 3.1-1
▲ NOMEX 374112N 1294441E	47.2	Class A, D, G				
△ BUSKO 374033N 1301610E	25.0	Class A, D, G				
△ TENAS 373820N 1313427E	62.2	Class A, D, G				
△ MALSO 375440N 1314904E	044° 224°	UNL FL 200 (1 500)	50			
▲ KANSU(FIR BDRY) 383800N 1322830E	20.0 044° 225°	Class A, G				
INCHEON FIR						
PYONGYANG FIR						

Change : Information of frequencies.

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		Lateral limits NM	Direction of cruising levels		Remarks Controlling unit channel Logon address			
		Airspace classification			Odd	Even				
1	2	3		4	5		6			
<b>B576*</b>							<b>Daegu ACC</b>			
△ ANYANG VORTAC(SEL) 372449N 1265542E	174° 354°	<u>UNL</u> 4 500 (3 400)  Class A, D, G		10		↓	FREQ : (at or below FL 295) 128.70(118.925) MHz 270.50(263.60) MHz			
△ POLEG 371249N 1265935E	12.4									
△ SONGTAN VORTAC(SOT) 370540N 1270154E	174° 354°									
▲ OLMEN 364413N 1265928E	7.4									
▲ ENTEL 362311N 1265705E	194° 014°	(2 800)								
△ RINBO 355352N 1265349E	21.5									
▲ LINTA 353116N 1265119E	194° 014°	(3 600)								
△ GWANGJU VOR(KWA) 350734N 1264844E	21.1									
▲ IPDAS 341515N 1264301E	194° 013°	(3 100)								
△ JEJU VORTAC(CJU) 332305N 1263727E	29.4									
▲ SOSDO 330012N 1262735E	193° 013°	(3 400)								
△ SAMLO 323223N 1261536E	22.7									
△ NIRAT 320354N 1260329E	193° 013°	(4 700)								
△ ELGEP 314653N 1255617E	23.8									
▲ TESIM 313526N 1255128E	193° 012°	<u>UNL**</u> FL 140								
▲ ATOTI(FIR BDRY) 300013N 1251154E	52.5									
INCHEON FIR	193° 012°	Class D	<u>UNL**</u> FL 140							
FUKUOKA FIR	52.3									
							<b>Incheon ACC</b>			
							FREQ : (at or below FL 255) 120.725(128.30) MHz 263.90(272.75) MHz			
							FREQ : (above FL 255) 123.725(124.50) MHz 239.25(275.40) MHz			
							Airspace Classification refer to ENR 3.1-1			
							<b>Incheon ACC</b>			
							FREQ : 124.525(132.425) MHz 255.40(233.50, 348.10) MHz			
							Airspace Classification refer to ENR 3.1-1			
							<b>** Note</b> Any aircraft planning to operate above FL 140 between SOT and CJU must coordinate with Incheon ACC before flight planning.			
							<b>Incheon ACC</b>			
							FREQ : (at or above FL 335) 133.425(132.425) MHz 234.35(234.65) MHz			
							FREQ : (below FL 335) 125.725(132.825, 128.375) MHz 232.95(233.15) MHz			
							Airspace Classification refer to ENR 3.1-1			
							↑			
NAVAID(DME) GAP : Between 44 NM from KWA and 55 NM from SOT, below 10 000 ft AMSL, request to controller is required to get distance information.										

NAVAID(DME) GAP : Between 44 NM from KWA and 55 NM from SOT, below 10 000 ft AMSL, request to controller is required to get distance information.

Change : Information of frequencies.

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		Remarks Controlling unit channel Logon address
				Odd	Even	
1	2	3	4	5		6
<b>G339</b> △ BUSAN VORTAC(PSN) 350721N 1285958E  ▲ INVOK(FIR BDRY) 344719N 1291923E  INCHEON FIR FUKUOKA FIR						
	149° 330°  25.6	UNL 10 000 (3 400)  Class A, D, G	8	↓		<b>Daegu ACC</b>  FREQ : 125.375(125.775, 124.575) MHz 234.15(317.35, 335.50) MHz
					↑	Airspace Classification refer to ENR 3.1-1

Change : Information of frequencies.

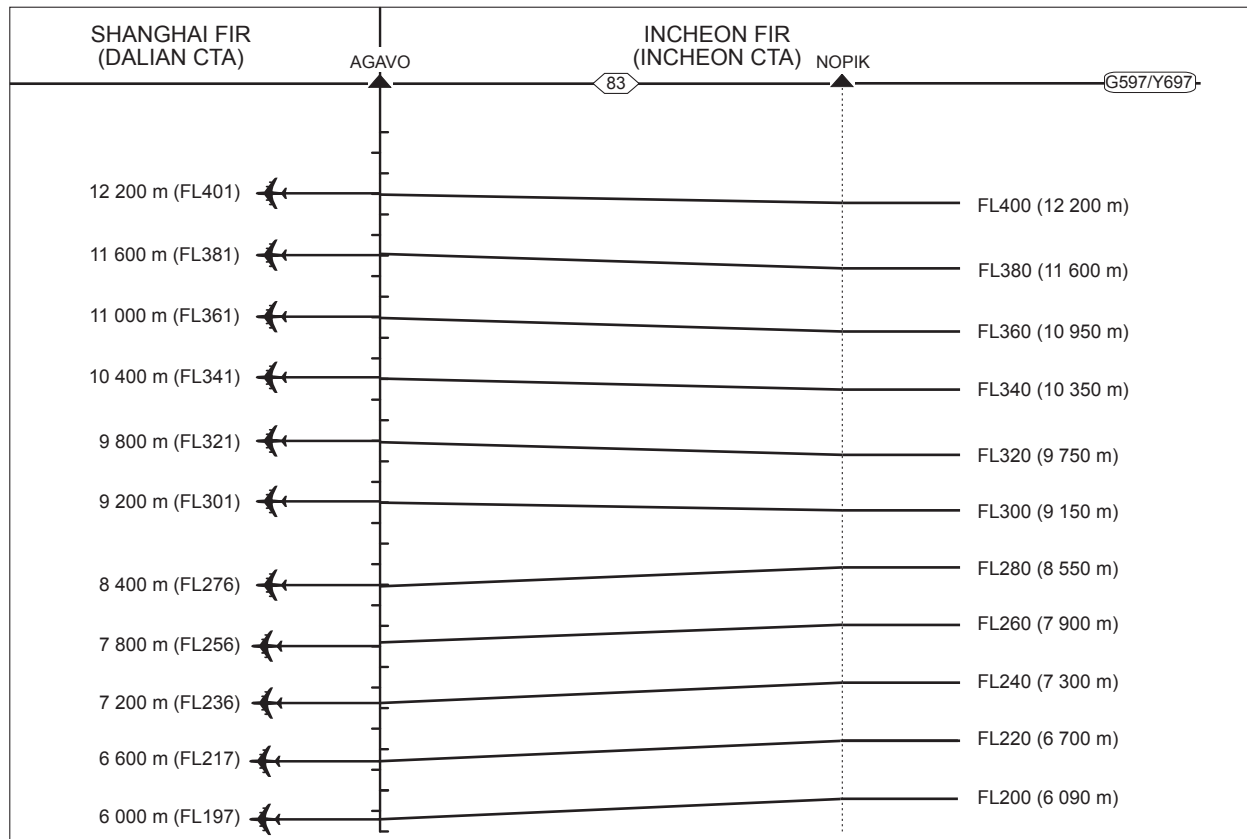
Route designator (RNP/RNAV) Name of significant points Coordinates	Track MAG↑/↓ VOR RDL DIST (COP)	Upper limits Lower limits or Minimum altitude(MOCA) ft AMSL or FL		Lateral limits NM	Direction of cruising levels		Remarks Controlling unit channel Logon address
		Airspace classification			Odd	Even	
1	2	3		4	5		6
<b>G585</b>							<b>Daegu ACC</b>
△ ANYANG VORTAC(SEL) 372449N 1265542E	133° 313° 10.7		UNL 8 000 (3 400) Class A, D, G	8	↓		FREQ : (at or below FL 295) 128.70(118.925) MHz 270.50(263.60) MHz
△ KALMA 371845N 1270645E							133° 313° 19.3
△ KAKSO 370745N 1272637E	133° 313° 11.5	(50/32)	UNL 8 000 (3 600) Class A, D, G				Only flying westbound from KPO to SEL on G585 is authorized except ACFT departing from RKTY or RKTl.
▲ GUKDO 370111N 1273823E							
△ ENSAL 365554N 1274747E	133° 313° 9.2		UNL 8 000 (3 700) Class A, D, G				<b>Daegu ACC</b>  FREQ : 125.375(125.775, 124.575) MHz 234.15(317.35, 335.50) MHz
△ BASEM 365037N 1275710E	133° 314° 9.2		UNL 8 000 (4 000) Class A, D, G				
▲ BIGOB 364325N 1280952E	134° 314° 12.5		UNL 8 000 (5 000) Class A, D, G				Aircraft flying eastbound from SEL to KPO at or above 11 000 ft on G585 shall get PPR 24 hours before from Incheon/Daegu ACC.
△ YECHEON VOR(CUN) 363755N 1281931E	134° 314° 9.5		UNL 8 000 (4 900) Class A, D, G				
△ ELAPI 362014N 1285051E	133° 313° 30.8	(34/34)	UNL 8 000 (3 900) Class A, D, G				
△ POHANG VORTAC(KPO) 355838N 1292828E	133° 314° 37.3		UNL 8 000 (5 000) Class A, D, G				
▲ BULGA 355609N 1294924E	107° 287° 17.2		UNL 8 000 (3 500) Class A, D, G				
▲ SAPRA(FIR BDRY) 354926N 1304325E	107° 287° 44.4		UNL 8 000 (1 500) Class A, D, G			↑	
INCHEON FIR							
FUKUOKA FIR							

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		Remarks Controlling unit channel Logon address
				Odd	Even	
1	2	3	4	5		6
SHANGHAI FIR						
INCHEON FIR						
<b>G597</b>						<b>Daegu ACC</b>
▲ AGAVO(FIR BDRY) 371000N 1240000E	096° 276°	UNL FL 150 (1 500) Class A, D, G	10			FREQ : (at or below FL 295) 128.70(118.925) MHz 270.50(263.60) MHz
△ GONAV 371048N 1242453E	19.9 066° 246°					FREQ : (above FL 295) 132.80(120.525) MHz 290.60(335.45) MHz
▲ DANTI 371806N 1243929E	13.8 066° 247°					Westbound(SEL-AGAVO) FL 400, FL 380, FL 360, FL 340, FL 320, FL 300, FL 280, FL 260, FL 240, FL 220, FL 200.
△ ANSIM 372323N 1245009E	10.0 097° 277°					* Note G597 is only for Non-RNAV aircraft. Any aircraft approved for RNAV operations should use Y697.
▲ BINIL 372349N 1251359E	19.0 097° 278°					Only flying westbound from SEL to AGAVO on G597 is authorized. (Unless otherwise assigned by ATC, flying eastbound in this airway shall not be used.)
▲ NOPIK 372412N 1253905E	20.0 098° 278°					Aircraft flying eastbound from AGAVO to SEL on G597 shall get PPR 24 hours before from Incheon ACC.
△ GOGET 372442N 1263036E	41.0 098° 278°	UNL 8 000 (2 200) Class A, D, G				REF. ENR 3.1-9 for the detailed altitude conversion procedures.
△ ANYANG VORTAC(SEL) 372449N 1265542E	20.0 087° 267°	UNL 7 500 (3 500) Class A, D, G		↓	↑	<b>Daegu ACC</b>
△ EGOBA 372915N 1272246E	22.0 087° 267°	UNL 7 500 (5 100) Class A, D, G				FREQ : (at or below FL 295) 134.175(123.65) MHz 272.40(233.60) MHz
▲ KARBU 373159N 1273952E	13.9 087° 268°	UNL 7 500 (5 600) Class A, D, G				FREQ : (above FL 295) 122.250(125.925) MHz 263.350(263.85) MHz
▲ TORUS 373625N 1280807E	22.9 087° 268°	UNL 7 500 (7 500) Class A, D, G				Only flying westbound from LANAT to KAE on G597 shall get 24 HR PPR from Daegu ACC.
▲ BIKSI 374032N 1283504E	21.8 088° 268°	UNL 7 500 (7 100) Class A, D, G				Airspace Classification refer to ENR 3.1-1
△ GANGWON VORTAC(KAE) 374203N 1284514E	8.2 130° 310°	UNL 8 000 (7 100) Class A, D, G				
▲ PILIT 372631N 1291731E	30.0 130° 310°	UNL 9 000 (3 100) Class A, D, G				
▲ NIMUS 371210N 1294656E	27.5 130° 311°	UNL 9 000 (1 500) Class A, D and G				
△ AGSUS 364521N 1304044E	50.8 131° 311°					
▲ LANAT(FIR BDRY) 362224N 1312542E	42.9				↑	
INCHEON FIR						
FUKUOKA FIR						

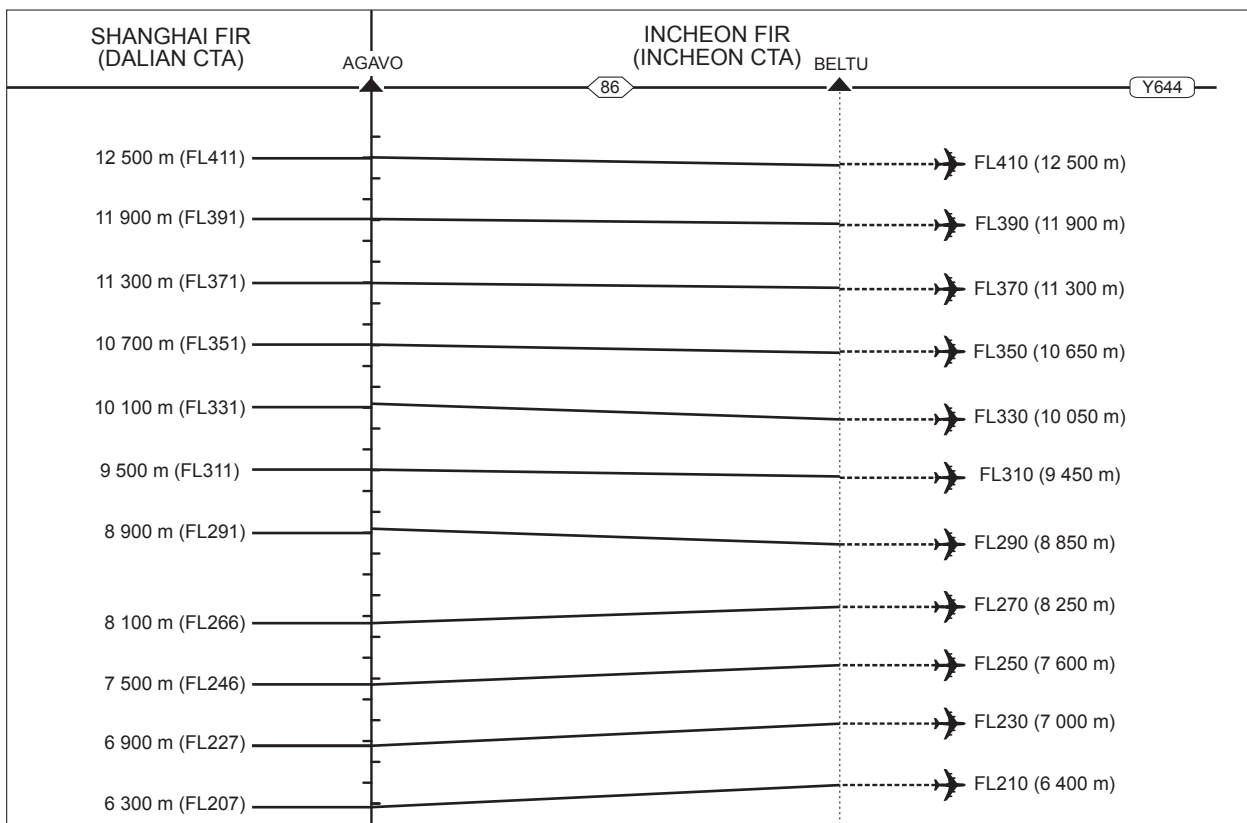
Change : Information of DIST and coordinates for AGAVO.



### ALTITUDE CONVERSION FROM INCHEON CTA TO DALIAN CTA (RVSM)



### FROM DALIAN CTA TO INCHEON CTA



Change : Information of altitude conversion.



INTENTIONALLY

LEFT

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3.1.2 DOMESTIC ATS ROUTES

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		Remarks Controlling unit channel Logon address
				Odd	Even	
1	2	3	4	5		6
<b>V11</b> <b>▲ PILIT</b> 372631N 1291731E  KAE R 128/30 DME KPO R 001/88 DME  <b>▲ NOBUT</b> 370715N 1291957E  <b>▲ LOSTO</b> 362016N 1292548E  △ POHANG VORTAC(KPO) 355838N 1292828E  <b>▲ APARU</b> 352442N 1290932E  △ BUSAN VORTAC(PSN) 350721N 1285958E						<b>Daegu ACC</b>  FREQ : (at or below FL 295) 134.175(123.65) MHz 272.40(233.60) MHz  FREQ : (above FL 295) 122.250(125.925) MHz 263.350(263.85) MHz  1. 11 000 ft to FL 240, at or above FL 280 will be blocked.  2. At or above 11 000 ft, required 15 days PPR from Air Traffic Management Office.  3. Airspace Classification refer to ENR 3.1-1  <b>Daegu ACC</b> FREQ : 120.575(119.375, 119.325, 134.375) MHz 254.70(335.75) MHz  1. 11 000 ft to FL 240, at or above FL 280 will be blocked.  2. At or above 11 000 ft, required 15 days PPR from Air Traffic Management Office.  3. Airspace Classification refer to ENR 3.1-1
			8		↓	
	183° 003°	UNL 9 000 (7 000)  Class A, D, G				
	19.3					
	183° 003°	UNL 9 000 (6 400)  Class A, D, G				
	47.2					
	183° 003°	UNL 9 000 (3 300)  Class A, D, G				
	21.7					
	213° 032°	UNL 9 000 (4 200)  Class A, D, G				
	37.2					
	213° 032°	UNL 9 000 (4 400)  Class A, D, G				
	19.0			↑		

Change : Information of frequencies.

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		Remarks Controlling unit channel Logon address
					Odd	Even	
1	2	3		4	5		6
<b>V543</b>							
△ DALSU 350731N 1264206E	097° 277° 5.4	UNL 8 000 (2 500) Class A, D, G		10	↓		<b>Incheon ACC</b>  FREQ : (at or below FL 255) 120.725(128.30) MHz 263.90(272.75) MHz  FREQ : (above FL 255) 123.725(124.50) MHz 239.25(275.40) MHz  Airspace Classification refer to ENR 3.1-1
△ GWANGJU VOR(KWA) 350734N 1264844E	097° 277° 2.6	(25/83)	UNL 8 000 (2 000) Class A, D, G				
△ SAMUL 350736N 1265154E	097° 278° 22.1		UNL 8 000 (5 200) Class A, D, G				
▲ TEDAN 350744N 1271852E	098° 278° 13.5		UNL 8 000 (8 000) Class A, D, G				
△ ANUBA 350746N 1273523E	098° 279° 44.7		UNL 8 000 (8 000) Class A, D, G				
▲ SAPDI 350737N 1282952E	098° 278° 1.6		UNL 8 000 (3 800) Class A, D, G				
▲ SARAM 350736N 1283147E	099° 279° 11.9		UNL 8 000 (4 000) Class A, D, G				
△ ANKUS 350730N 1284616E	099° 279° 11.2		UNL 8 000 (3 500) Class A, D, G				
△ BUSAN VORTAC(PSN) 350721N 1285958E						↑	
<b>V547</b>							<b>Incheon ACC</b>
△ GWANGJU VOR(KWA) 350734N 1264844E	072° 253° 54.7	(48/48)	10 000 9 000 (8 600) Class D	10	↓		FREQ : (at or below FL 255) 120.725(128.30) MHz 263.90(272.75) MHz  FREQ : (above FL 255) 123.725(124.50) MHz 239.25(275.40) MHz  Airspace Classification refer to ENR 3.1-1
▲ IGDOK 353104N 1274907E	073° 254° 41.6		10 000 9 000 (5 000) Class D				<b>Daegu ACC</b>  FREQ : 128.175(128.325) MHz 335.50(275.20) MHz
△ DALSEONG VORTAC(TGU) 354835N 1283527E						↑	Airspace Classification refer to ENR 3.1-1

Change : Information of controlling unit and frequencies.

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		Remarks Controlling unit channel Logon address		
					Odd	Even			
1	2		3	4	5		6		
<b>V549</b>							<b>Incheon ACC</b>		
△ GUNSAN VORTAC(KUZ) 355437N 1263641E	101° 281°	(49/48)	<u>10 000</u> 7 000 (1 800) Class D	10	↓		FREQ : (at or below FL 255) 126.175(134.375) MHz 317.85(335.55) MHz		
△ ELPOS 355410N 1264707E	8.5								
△ RINBO 355352N 1265349E	101° 281°								
△ MELES 355251N 1271542E	5.5		<u>10 000</u> 7 000 (3 500) Class D				<b>Daegu ACC</b> FREQ : 125.375(125.775, 124.575) MHz 234.15(317.35, 335.50) MHz		
△ OPEDA 355149N 1273652E	101° 282°							<u>10 000</u> 7 000 (5 000) Class D	Airspace Classification refer to ENR 3.1-1
△ DALSEONG VORTAC(TGU) 354835N 1283527E	17.8								
▲ LAPAL 355413N 1290452E	102° 282°	<u>10 000</u> 7 000 (6 600) Class D							
	17.2								
△ POHANG VORTAC(KPO) 355838N 1292828E	102° 282°	<u>10 000</u> 7 000 (5 400) Class A, D, G	Airspace Classification refer to ENR 3.1-1						
	47.7								
	085° 265°	UNL 6 000 (5 400) Class A, D, G	TGU is used between TGU and KPO.						
	24.6								
	085° 265°								
	19.7								
<b>W45</b>							<b>Incheon ACC</b>		
△ GWANGJU TACAN(KWJ) 350723N 1264810E	097° 278°	(23/85)	<u>UNL</u> 8 000 (8 000) Class A, D, G	10	↓		FREQ : (at or below FL 255) 120.725(128.30) MHz 263.90(272.75) MHz		
△ RIMPO 350739N 1273502E	38.4							<u>UNL</u> 8 000 (8 000) Class A, D, G	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
▲ RUNIT 350734N 1282952E	098° 278°		<u>UNL</u> 8 000 (4 000) Class A, D, G				<b>Daegu ACC</b> FREQ : 128.175(128.325) MHz 335.50(275.20) MHz		
	45.1								
△ BUSAN VORTAC(PSN) 350721N 1285958E	098° 279°	UNL 8 000 (4 000) Class A, D, G	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						
	24.7								

Change : Information of frequencies.

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		Remarks Controlling unit channel Logon address
				Odd	Even	
1	2	3	4	5		6
<b>W61</b>						
△ SONGTAN VORTAC(SOT) 370540N 1270154E	316° 136°	UNL 8 000 (2 400)	10		↓	<b>Daegu ACC</b>  FREQ : (at or below FL 295) 128.70(118.925) MHz 270.50(263.60) MHz  FREQ : (above FL 295) 132.80(120.525) MHz 290.60(335.45) MHz
▲ MONSI 371247N 1265015E	11.7	Class A, D, G				
	316° 136°	UNL 8 000 (3 200)				
△ GOGET 372442N 1263036E	19.7	Class A, D, G		↑		Airspace Classification refer to ENR 3.1-1
<b>W62</b>						
△ SONGTAN VORTAC(SOT) 370540N 1270154E	044° 224°	UNL FL 140 (4 600)	10	↓		<b>Daegu ACC</b>  FREQ : (at or below FL 295) 128.70(118.925) MHz 270.50(263.60) MHz  FREQ : (above FL 295) 132.80(120.525) MHz 290.60(335.45) MHz
△ EGOBA 372915N 1272246E	28.8	Class A, D, G			↑	Airspace Classification refer to ENR 3.1-1
<b>W526</b>						
△ DALSEONG VORTAC(TGU) 354835N 1283527E	192° 012°	UNL 5 000 (4 900)	10		↓	<b>Daegu ACC</b>  FREQ : 125.375(125.775, 124.575) MHz 234.15(317.35, 335.50) MHz
▲ MASTA 352847N 1283340E	19.8	Class A, D, G				
	192° 012°	UNL 5 000 (3 800)				
▲ SARAM 350736N 1283147E	21.2	Class A, D, G				Airspace Classification refer to ENR 3.1-1
	192° 012°	UNL 5 000 (3 200)				
▲ TOPAX 344555N 1282952E	21.7	Class A, D, G		↑		

Change : Information of frequencies.