Waypoint	Latitude	Longitude	Waypoint	Latitude	Longitude
ABEGO	460543N	0233835E	MOLNA	463351N	0240807E
ABISU	463620N	0230951E	MOMER	454345N	0274308E
ABIXA	455236N	0243420E	MOPUG	460949N	0204229E
ABRED	443819N	0225616E	NAPOC	464100N	0235736E
ABRUT	442701N	0251059E	NARKA	471454N	0215136E
ADINA	434812N	0303018E	NAVOD	451519N	0273749E
AGMEL	464126N	0213416E	NEKUL	453100N	0223512E
AGNAR	442112N	0272611E	NEPOT	455737N	0230517E
ALENO	435809N	0295029E	NERDI	451846N	0234211E
AMIKU	455442N	0243505E	NERTO	455134N	0263916E
ANTAL	464522N	0264345E	NETUL	444143N	0265843E
ARGES	440456N	0264936E	NIBAN	443435N	0260222E
ARVAK	464408N	0224914E	NILET	442620N	0260911E
ASLAM	445033N	0242151E	NILOV	445714N	0251013E
BABUT	440504N	0234217E	NOPTI	461855N	0215947E
BADKA	452239N	0290639E	NURGU	461206N	0255255E
BADOR	473425N	0220629E	NURPO	442807N	0291856E
BAGRI	451112N	0294812E	OBARA	470153N	0224259E
BAISA	463920N	0232102E	OBEBI	452137N	0223901E
BALBI	445418N	0254515E	OBORU	470351N	0230838E
BAMUD	475432N	0241235E	OBUGA	440632N	0260539E
BARBU	461917N	0241637E	ODEVA	454834N	0244222E
BARTA	465425N	0240522E	OGATA	444846N	0300751E
BATIN	460055N	0234631E	OGELU	441309N	0242919E
BEDRI	450435N	0251555E	OLERU	452145N	0251346E
BERES	452359N	0281730E	OLMIP	460243N	0222212E
BIBOR	471609N	0250821E	OSDOR	445835N	0300300E
BIRTA	465942N	0232717E	OSTAL	441641N	0264622E
BLAJA	461053N	0240042E	OSTOV	434700N	0234800E
BODNA	454016N	0270413E	PASCA	472003N	0262954E
BUCSA	463012N	0262202E	PEKID	462509N	0231636E
BUDOP	464115N	0212948E	PELES	461302N	0270312E
BUKAN	463154N	0225330E	PELUR	451712N	0252918E
BUKEL	450440N	0254333E	PEMOK	442153N	0242054E
BUKOV	475706N	0255730E	PILAT	444926N	0280552E
BULEN	434500N	0254900E	POBID	460648N	0245740E
BURIX	454246N	0225405E	POGAV	464654N	0281000E
CETUL	444151N	0283737E	POLUN	441415N	0251324E
COPSA	460752N	0241358E	RAROS	462748N	0244717E
DANUL	445424N	0282723E	REBLA	464536N	0234441E
DEGET	462937N	0211602E	REVDA	434400N	0290836E
DEGOP	473438N	0245811E	RILEX	443553N	0255051E
DEKIT	462305N	0262517E	RINGI	454933N	0221842E
DEMUN	460205N	0243707E	RIVOS	443921N	0273917E
DENAK	450008N	0262608E	ROMAG	472522N	0222507E
DENUB	440359N	0292636E	ROMOL	474408N	0250251E
DEPUP	452828N	0272351E	ROMUX	455121N	0203724E
DEROT	461255N	0230003E	ROPAN	470502N	0233843E
DEVSO	462835N	0212321E	ROSIA	465313N	0221753E
DINIK	464444N	0230929E	RULES	471146N	0220411E
DINRO	434200N	0284830E	RUMUK	480136N	0232036E
DINTU	442409N	0253134E	RUXEP	454355N	0222956E
DIPIN	453435N	0242905E	SIGHI	461647N	0243812E
DIRAL	443039N	0273315E	SODGO	451205N	0230607E
DITAX	452808N	0222014E	SOLGA	470408N	0272418E
DRAGU	470306N	0233255E	SOMET	474140N	0230939E
DUNAV	450738N	0282855E	SOMOV	434200N	0245100E
EBURU	453654N	0225621E	SOPED	444537N	0260456E
EDEPO	451545N	0232347E	SORDU	440233N	0252648E
EDOBU	444856N	0230258E	SORET	454648N	0280906E
EKMED	445727N	0224842E	SUROL	450146N	0241834E
ELVAB	440952N	0250527E	TABAV	445323N	0265801E
ENIMA	450446N	0245409E	TALAM	440511N	0302619E
EPAVA	473842N	0230908E	TEGRI	461546N	0210616E
ERDEI	465147N	0232136E	TIMEX	444023N	0255721E
ERGAT	453909N	0255026E	TIMUR	434120N	0241421E
EROBA	451318N	0233334E	TIPAR	471744N	0272446E
ERVAL	451658N	0231856E	TIRGU	462625N	0240801E
ESATU	473116N	0230749E	TIRVO	445933N	0284411E
ETORA	463540N	0235649E	TISAD	473159N	0223522E
EVIKA	453645N	0273050E	TISIR	443007N	0241719E
EVRIK	462107N	0221432E	TITEK	442936N	0233426E
FOCSA	455941N	0264123E	TIXIP	455015N	0223848E
GALMI	440800N	0300132E	TOMET	462912N	0253532E
GAVRI	453719N	0241924E	TOMUC	473027N	0264934E
GESBA	455522N	0214724E	TURDA	463417N	0235215E
GILUS	471722N	0233229E	TUSET	443737N	0250858E
GINOS	465542N	0214631E	UBASA	473059N	0234337E
GIRAP	441713N	0245223E	UBITA	452624N	0230032E
GITMU	455349N	0211852E	UDEGU	443744N	0241153E
GORUN	461356N	0264507E	UNIRA	471006N	0275106E
HUMOR	473053N	0255235E	URARA	451732N	0272813E
IBGOS	441826N	0245927E	URELA	452948N	0263340E
IDARU	443825N	0265854E	UREKI	454815N	0233958E
IDELO	451537N	0230444E	VAMON	442358N	0244047E
INBEP	455616N	0220515E	VAPEL	473858N	0245547E
INVED	460928N	0202405E	VASIS	455712N	0222429E
IRMAM	451331N	0284323E	VEKOD	450358N	0230916E
JIBOU	472929N	0230730E	VELIP	444618N	0213200E
KARIL	474738N	0222632E	VEPAB	445629N	0222701E
KODRU	461132N	0280726E	VEVIN	444247N	0263907E
KOMAN	435900N	0261300E	VIBET	444837N	0260918E
KOVUR	444730N	0252908E			
KUDAS	475256N	0230732E			
LAMIT	450614N	0232229E			
LAPKA	451734N	0263033E			
LARMU	471501N	0230809E			
LATEL	465613N	0232349E			
LEMPA	444337N	0282607E			
LIBDO	470030N	0242243E			
LOBKI	451041N	0285457E			
LOMOS	435000N	0231500E			
LOZNA	472607N	0232801E			
LUNAV	465506N	0230902E			
MAVIT	451424N	0211830E			
MIPRO	444143N	0233031E			
MIRON	464310N	0270226E			
MIVSA	455420N	0212823E			
MOBLU	441146N	0292650E			
MOBRA	455152N	0244910E			
MOLAX	461608N	0260501E			
MOLID	463623N	0271718E			

NOTE:

Lower airspace and upper airspace are separated by FL 285.

COMMUNICATION FACILITIES

FLIGHT INFORMATION CENTRE (FIC)

BUCURESTI	FIC	129.4
BUCURESTI	VOLMET	126.8
CLUJ	ATIS	125.525
CONSTANTA	ATIS	118.75
OTOPENI	ATIS	118.5
TIMISOARA	ATIS	123.125

AREA CONTROL CENTRE (ACC) BUCURESTI

ARGES SECTOR 121.175
ALTN FREQ 123.900
ALTN FREQ 126.725
ALTN FREQ 124.975

KOMAN SECTOR 129.750
ALTN FREQ 123.900
ALTN FREQ 126.725
ALTN FREQ 124.975

LOMOS SECTOR 122.025
ALTN FREQ 123.900
ALTN FREQ 126.725
ALTN FREQ 124.975

NERDI SECTOR 125.150
BACAU SECTOR 127.9
ALTN FREQ 125.725
BUDOP SECTOR 124.100
ALTN FREQ 132.750
NAPOC SECTOR 127.075
ALTN FREQ 120.925
DINSI SECTOR 122.375
ALTN FREQ 122.725
MOPUG SECTOR 121.375
ALTN FREQ 124.35

FL 285
Lower limit of airways

APPROACH CONTROL UNITS

ARAD 1 APP	127.250 ALTN FREQ 126.350	FL 175 2500 ft QNH	ARAD 2 APP	127.250 ALTN FREQ 126.350	FL 175 3200 ft QNH
ARAD 3 APP	127.250 ALTN FREQ 126.350	FL 175 3500 ft QNH	ARAD 4 APP	127.250 ALTN FREQ 126.350	FL 175 6500 ft QNH
BUCURESTI 1 APP	118.25 ALTN FREQ 120.6	FL 175 4500 ft QNH	BUCURESTI 2 APP	118.25 ALTN FREQ 120.6	FL 175 2000 ft QNH
CONSTANTA APP	122.900 ALTN FREQ 127.350	FL 175 2000 ft QNH			

AERODROME CONTROL UNITS

ARAD	TWR	130.2
BACAU	TWR	118.6
BAIA MARE	TWR	118.1
	PAR	118.85
BANEASA	TWR	120.8
	GND	129.95
CLUJ	TWR	134.4
	PAR	118.7
CONSTANTA	TWR	120.45
CRAIOVA	TWR	124.3
IASI	TWR	119.2
ORADEA	TWR	120.2
OTOPENI	TWR	120.9
	TWR	121.85
	GND	121.7
SATU MARE	TWR	118.8
SIBIU	TWR	122.7
SUCEAVA	TWR	118.3
	PAR	120.9
TARGU MURES	TWR	125.9
TIMISOARA	TWR	120.1
	GND	121.6
TULCEA	TWR	120.3

EMERGENCY

WATCH WITHIN BUCURESTI FIR IS PROVIDED ON THE INTERNATIONAL DISTRESS FREQUENCY OF 121.5 MHz.

LAMBERT CONFORMAL PROJECTION
ISOGONIC INFORMATION 2009

SCALE 1 : 1 200 000

50 40 30 20 10 0 25 50 75 100 125 150 175 200 KILOMETRES
20 10 0 20 40 60 80 100 NAUTICAL MILES

ENROUTE CHART - LOWER AIRSPACE

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NOTE

AIRSPACE:
CLASS C ABV FL 105
CLASS G BLW FL 105

CTR: CLASS C
AWY: CLASS C

EN ROUTE
1. Segment avlb. ODD levels only
2. Segment avlb. EVEN levels only
3. E-bound avlb. EVEN levels only
   W-bound avlb. ODD levels only

LEGEND

Aerodrome
Flight Information Region (FIR)
Terminal Control Area (TMA)
Control Zone (CTR)
Direction of route: Bidirectional, Eastbound, Westbound
ATS route: Route designator; Distance between reporting points in nautical miles; Minimum cruising level
Reporting point (REP): Compulsory, On request
Restricted airspace: Nationality letter; Identification of area; Vertical limits; P=Prohibited; R=Restricted; D=Danger
Non-directional radio beacon (NDB)
Co-located VOR and DME navigation aids (VOR/DME)
Restricted Area managed by AMC
Anti-hail Rocket firing Area
Identification for radio navigation aids (NAVAID): Name; NAVAID frequency, identification or call sign; Geographical coordinates; Elevation of DME site (to the nearest 100 ft)
Isogonic line or isogonal — — — 3° E — — —
Area minimum altitude (AMA)

Each 1 quadrilateral contains an Area Minimum Altitude (AMA) which represents the lowest altitude which may be used under instrument meteorological conditions (IMC). The AMA provides a minimum obstacle clearance of 1000 ft in designated mountainous terrain where a minimum clearance of 2000 ft is provided, above all obstacles in the quadrilateral. It is represented in thousands and in hundreds of feet above mean sea level.

Example : 2300 feet 23