TEMPORARY RESERVED AREAS (TRA)		TEMPORARY RESERVED AREAS (TRA)	
Identification	Vertical limits	Identification	Vertical limits
LRTRA1G	GND - 4500 FT AMSL	LRTRA45L	FL105 - FL200
LRTRA2G	GND-3500 FT AMSL	LRTRA47G	GND-5000 FT AMSL
LRTRA2L	3500 FT AMSL - FL200	LRTRA47L	5000 FT AMSL - FL200
LRTRA3G	GND - 5500 AMSL	LRTRA48G	GND-5500 AMSL
LRTRA3L	5500 FT AMSL - FL200	LRTRA48L	5500 FT AMSL - FL200
LRTRA4	GND - 1017 FT AMSL	LRTRA50G	GND-5500 FT AMSL
LRTRA4G	GND - 5500 FT AMSL	LRTRA51G	GND-5500 FT AMSL
LRTRA4L	5500 FT AMSL - FL200	LRTRA51L	5500 FT AMSL - FL200
LRTRA5G	GND - FL80	LRTRA52G	GND - FL130
LRTRA5L	FL80 - FL200	LRTRA53G	GND - FL130
LRTRA6G	GND - FL80	LRTRA60G	GND-5000 FT AMSL
LRTRA6L	FL80 - FL200	LRTRA60L	5000 FT AMSL - FL200
LRTRA7G	GND - 4000 FT AMSL	LRTRA61G	GND - FL65
LRTRA7L	4000 FT AMSL - FL200	LRTRA61L	FL65 - FL200
LRTRA8G	GND - FL90	LRTRA62G	GND - 4500 FT AMSL
LRTRA8L	FL90 - FL200	LRTRA62L	4500 FT AMSL - FL200
LRTRA9G	GND - FL105	LRTRA63G	GND - FL65
LRTRA9L	FL105 - FL200	LRTRA63L	FL65 - FL200
LRTRA10G	GND - 5000 FT AMSL	LRTRA64G	GND - 4000 FT AMSL
LRTRA11G	GND - FL80	LRTRA64L	4000 FT AMSL - FL200
LRTRA11L	FL80 - FL200	LRTRA65G	GND - 5500 FT AMSL
LRTRA12G	GND - 3500 FT AMSL	LRTRA65L	5500 FT AMSL - FL200
LRTRA12L	3500 FT AMSL - FL200	LRTRA66G	GND - 4500 FT AMSL
LRTRA13G	GND - 5500 FT AMSL	LRTRA66L	4500 FT AMSL - FL200
LRTRA13L	5500 FT AMSL - FL200	LRTRA67G	GND - 5000 FT AMSL
LRTRA14G	GND - FL80	LRTRA67L	5000 FT AMSL - FL200
LRTRA14L	FL80 - FL200	LRTRA68G	GND - 3500 FT AMSL
LRTRA20G	GND - 3000 FT AMSL	LRTRA68L	3500 FT AMSL - FL200
LRTRA21C	3000 FT AMSL - FL75	LRTRA69L	FL130 - FL200
LRTRA21L	FL75 - FL200	LRTRA71G	GND-5500 FT AMSL
LRTRA22G	GND - FL80	LRTRA71L	5500 FT AMSL - FL200
LRTRA22L	FL80 - FL200	LRTRA72G	GND-5500 FT AMSL
LRTRA23G	GND - FL90	LRTRA72L	5500 FT AMSL - FL200
LRTRA23L	FL90 - FL200	LRTRA73G	GND-5500 FT AMSL
LRTRA24G	GND - FL75	LRTRA73L	5500 FT AMSL - FL200
LRTRA24L	FL75 - FL200	LRTRA74	GND - 5500 FT AMSL
LRTRA25G	GND - FL75	LRTRA80G	GND - 3500 FT AMSL
LRTRA25L	FL75 - FL200	LRTRA81G	GND - 3000 FT AMSL
LRTRA26L	FL75 - FL200	LRTRA82G	GND - 3500 FT AMSL
LRTRA27L	FL75 - FL200	LRTRA83G	GND - 3500 FT AMSL
LRTRA28G	GND - FL70	LRTRA84G	GND - 3500 FT AMSL
LRTRA28L	FL70 - FL200	LRTRA85G	GND - 3500 FT AMSL
LRTRA29G	GND - FL100	LRTRA90G	GND - 2000 FT AMSL
LRTRA29L	FL100 - FL200	LRTRA91G	GND - 2000 FT AMSL
LRTRA30G	GND - FL90	LRTRA91L	2000 FT AMSL - FL200
LRTRA30L	FL90 - FL200	LRTRA92G	GND - 2000 FT AMSL
LRTRA31G	GND - FL100	LRTRA92L	2000 FT AMSL - FL200
LRTRA31L	FL100 - FL200	LRTRA93G	GND - 2000 FT AMSL
LRTRA32G	GND - FL95	LRTRA94G	GND - 2000 FT AMSL
LRTRA32L	FL95 - FL200	LRTRA100G	GND - 4500 FT AMSL
LRTRA33G	GND - FL90	LRTRA100L	4500 FT AMSL - FL200
LRTRA33L	FL90 - FL200	LRTRA101G	GND - 4500 FT AMSL
LRTRA34G	GND - FL65	LRTRA101L	4500 FT AMSL - FL200
LRTRA34L	FL65 - FL200	LRTRA102G	GND - 4000 FT AMSL
LRTRA35G	GND - FL70	LRTRA102L	4000 FT AMSL - FL200
LRTRA35L	FL70 - FL200	LRTRA103G	GND - 4500 FT AMSL
LRTRA36G	GND - FL80	LRTRA103L	4500 FT AMSL - FL200
LRTRA36L	FL80 - FL200	LRTRA104G	GND - 4500 FT AMSL
LRTRA37G	GND - FL90	LRTRA104L	4500 FT AMSL - FL200
LRTRA37L	FL90 - FL200	LRTRA105G	GND - 4500 FT AMSL
LRTRA40	GND - FL280	LRTRA105L	4500 FT AMSL - FL200
LRTRA42G	GND - FL85	LRTRA110A	FL100 - FL280
LRTRA42L	FL85 - FL200	LRTRA111A	FL65 - FL280
LRTRA43G	GND - FL90	LRTRA111D	FL100 - FL280
LRTRA43L	FL90 - FL200	LRTRA111F	FL100 - FL280
LRTRA44G	GND-5000 FT AMSL	LRTRA111I	FL65 - FL280
LRTRA44L	5000 FT AMSL - FL200	LRTRA111K	FL65 - FL280

DANGEROUS AREAS		DANGEROUS AREAS	
Identification	Vertical limits	Identification	Vertical limits
LRD01A	GND - FL100	LRD37A	GND - FL100
LRD01B	GND - FL285	LRD37B	GND - FL285
LRD01C	GND - FL660	LRD38A	GND - FL100
LRD03A	GND - FL100	LRD38B	GND - FL285
LRD03B	GND - FL285	LRD38C	GND - FL660
LRD04A	GND- FL100	LRD39A	GND - FL100
LRD04B	GND-FL285	LRD39B	GND-FL285
LRD05A	GND- FL100	LRD43A	GND- FL100
LRD05B	GND-FL285	LRD43B	GND-FL285
LRD06A	GND- FL100	LRD70A	GND- FL100
LRD06B	GND-FL285	LRD70B	GND-FL285
LRD06C	GND-FL660	LRD70C	GND-FL660
LRD07A	GND- FL100	LRD71A	GND- FL100
LRD07B	GND-FL285	LRD71B	GND-FL285
LRD07C	GND-FL660	LRD72A	GND- FL100
LRD08A	GND- FL100	LRD72B	GND-FL285
LRD08B	GND-FL285	LRD72C	GND-FL660
LRD08C	GND-FL660	LRD73A	GND- FL100
LRD09A	GND- FL100	LRD73B	GND-FL285
LRD09B	GND-FL285	LRD73C	GND-FL660
LRD10A	GND- FL100	LRD74A	GND- FL100
LRD10B	GND-FL285	LRD74B	GND-FL285
LRD14A	GND- FL100	LRD74C	GND-FL660
LRD14B	GND-FL285	LRD75A	GND- FL100
LRD17A	GND- FL100	LRD75B	GND-FL285
LRD17B	GND-FL285	LRD76A	GND- FL100
LRD19A	GND- FL100	LRD76B	GND-FL285
LRD19B	GND-FL285	LRD100A	GND - 2000 FT AMSL
LRD21A	GND- FL100	LRD100B	GND-FL60
LRD21B	GND-FL285	LRD100C	GND - FL130
LRD21C	GND-FL660	LRD106A	GND - 2000 FT AMSL
LRD24A	GND- FL100	LRD106B	GND - FL130
LRD24B	GND - FL285	LRD107A	GND - FL100

HORIZONTAL REFERENCE SYSTEM
Geographical coordinates (Latitude&Longitude) are expressed in WGS84

LAMBERT CONFORMAL PROJECTION
ISOGONIC INFORMATION 2023.5

EN-ROUTE CHART-ICAO

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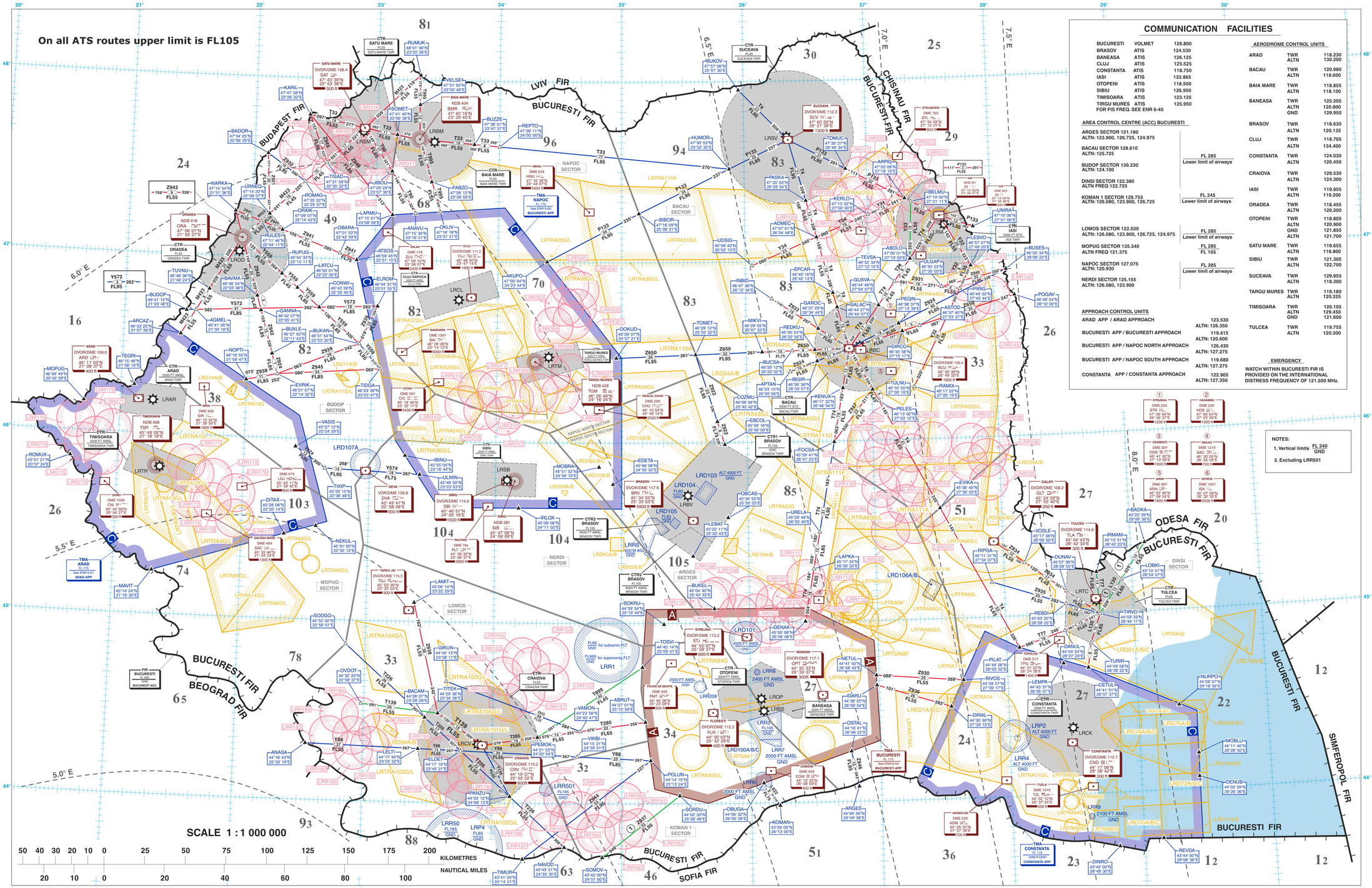

COMMUNICATION FACILITIES

BUCURESTI	VOLMET	126.800
BRASOV	ATIS	124.530
BANEASA	ATIS	126.125
CLUJ	ATIS	125.525
CONSTANTA	ATIS	118.750
IASI	ATIS	122.865
OTOPENI	ATIS	118.500
SIBIU	ATIS	126.950
TIMISOARA	ATIS	123.125
TIRGU MURES	ATIS	125.950

FOR FIS FREQ. SEE ENR 6-40

AREA CONTROL CENTRE (ACC) BUCURESTI

ARGES SECTOR 121.180
ALTN: 123.900, 126.725, 124.975

BACAU SECTOR 128.610
ALTN: 125.725

BUDOP SECTOR 130.230
ALTN: 124.100

DINSI SECTOR 122.380
ALTN FREQ 122.725

KOMAN 1 SECTOR 129.755
ALTN: 126.080, 123.900, 126.725

LOMOS SECTOR 122.030
ALTN: 126.080, 123.900, 126.725, 124.975

MOPUG SECTOR 135.340
ALTN FREQ 121.375

NAPOC SECTOR 127.075
ALTN: 120.930

NERDI SECTOR 125.155
ALTN: 126.080, 123.900

FL 285 Lower limit of airways
FL 245 Lower limit of airways
FL 285 Lower limit of airways
FL 285 FL 105
FL 285 Lower limit of airways

APPROACH CONTROL UNITS

ARAD APP / ARAD APPROACH	123.530 ALTN: 126.350
BUCURESTI APP / BUCURESTI APPROACH	119.415 ALTN: 120.600
BUCURESTI APP / NAPOC NORTH APPROACH	126.430 ALTN: 127.275
BUCURESTI APP / NAPOC SOUTH APPROACH	119.680 ALTN: 127.275
CONSTANTA APP / CONSTANTA APPROACH	122.905 ALTN: 127.350

AERODROME CONTROL UNITS

ARAD	TWR	118.230	
	ALTN	130.200	
BACAU	TWR	120.980	
	ALTN	118.600	
BAIA MARE	TWR	118.855	
	ALTN	118.100	
BANEASA	TWR	125.205	
	ALTN	120.800	
	GND	129.550	
BRASOV	TWR	118.630	
	ALTN	120.135	
CLUJ	TWR	118.705	
	ALTN	134.400	
CONSTANTA	TWR	124.030	
	ALTN	120.450	
CRAIOVA	TWR	129.530	
	ALTN	124.300	
IASI	TWR	119.955	
	ALTN	119.200	
ORADEA	TWR	118.455	
	ALTN	120.200	
OTOPENI	TWR	118.805	
	ALTN	120.900	
	GND	121.855	
	ALTN	121.700	
SATU MARE	TWR	119.655	
	ALTN	118.800	
SIBIU	TWR	121.305	
	ALTN	122.700	
SUCEAVA	TWR	129.955	
	ALTN	118.300	
TARGU MURES	TWR	119.180	
	ALTN	120.325	
TIMISOARA	TWR	120.105	
	ALTN	129.450	
	GND	121.600	
TULCEA	TWR	119.755	
	ALTN	120.300	

EMERGENCY

WATCH WITHIN BUCURESTI FIR IS PROVIDED ON THE INTERNATIONAL DISTRESS FREQUENCY OF 121.500 MHz.

NOTES:
1. Vertical limits FL 240 GND
2. Excluding LRR501

LEGEND

AIRSPACE:

CLASS C ABV FL 105
CLASS G BLW FL 105

CTR: CLASS C
ATS Route: CLASS C

EN ROUTE
① Segment avlb. EVEN levels only

Flight Information Region (FIR)

Name of FIR — FIR
Upper limit — BUCURESTI FL 660
Lower limit — GND
Unit providing service — BUCURESTI ACC

Terminal Control Area (TMA)

Name of TMA — TMA BUCURESTI
Upper limit — FL175
Lower limit — 2000 ft AMSL
Unit providing area control service — BUCURESTI APP

Control Zone (CTR)

Name of CTR — CTR CRAIOVA
Upper limit — 5000 ft AMSL
Unit providing approach control service — CRAIOVA TWR

Direction of ATS RNAV Route
12 Bidirectional
12 Eastbound
12 Westbound

Aerodrome

ATS RNAV Route
Route designator — T285
Magnetic track — 090° — 270°
Distance in nautical miles — 22
Lower limit (FL) — FL65

Reporting point (REP)
Compulsory
On request

Military exercise and training Areas (LRD, LRTRA, LRTSA)
* Vertical limits are issued by NOTAM, unless otherwise specified.

Anti-hail Rocket firing Area
Vertical limits GND-FL255 unless note exists
See Note 1 and 2

Prohibited, Restricted and Danger Areas
Nationality letter — LRP2
Identification of area — 4000 FT AMSL
Vertical limits — GND
P=Prohibited
R=Restricted
D=Danger

CTA Sector

Non-directional radio beacon (NDB)

Co-located VOR and DME navigation aids (VOR/DME)

DME station

Identification for radio navigation aids (NAVAID)
Name — ARAD
NAVAID frequency, identification or call sign — DVOR/DME 109.0 ARD
Geographical coordinates — 46° 11' 03"N 21° 18' 37"E
Elevation of DME site (to the nearest 100 ft) — 400 ft

Isogonic line or isogonal — 5° E

Area minimum altitude (AMA)

AMA is shown in one degree quadrilaterals formed by parallels and meridians representing the lowest altitude which may be used under instrument meteorological conditions (IMC). The AMA provides a minimum clearance of 1000 feet, excepting the 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 : 2200 feet 22