

**Publication Date:** 09 JAN 2025

**Effective Date:** 20 FEB 2025

**AIRAC  
AIP AMDT**

<b>02 20 FEB 2025</b>
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**AIRAC AIP AMENDMENT 02/25**

**I. Content**

GEN - Record of AIP supplements updated.

AD - LRBV - Braşov ATIS installed.

**II. Insert the following new pages and/or charts:**

**Destroy the following pages and/or charts:**

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| <b>II.</b> | <b>Insert the following new pages<br/>and/or charts:</b><br>AD 2.29-35    20 FEB 2025<br>AD 2.29-52    20 FEB 2025<br>AD 2.29-76    20 FEB 2025<br>AD 2.29-84    20 FEB 2025 | <b>Destroy the following pages<br/>and/or charts:</b><br>AD 2.29-35    15 JUN 2023<br>AD 2.29-52    10 AUG 2023<br>AD 2.29-76    15 JUN 2023<br>AD 2.29-84    13 JUL 2023 |
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- III.**        **Amend RECORD OF AIP AMDT (GEN 0.2) accordingly.**
- IV.**        **Hand amendments:**  
See GEN 0.5 / 20 FEB 2025.
- V.**        **Information contained in the following NOTAM is incorporated in AIRAC AIP AMDT 02/25:**  
A7111/24, A7215/24.

**END**

## GEN 0.3 RECORD OF AIP SUPPLEMENTS

No/Year	Subject	AIP section(s) affected	Period of validity	Cancellation record
1	2	3	4	5
AIRAC 02/18	BUCUREȘTI/Henri Coandă Airport, SID/STAR suspended.	AD 2.5	from: 16 AUG 2018 to: announced by NOTAM or SUP	
AIRAC 01/23	SATU MARE / Satu Mare Airport Local Aerodrome Regulations	AD 2.20	from: 23 FEB 2023 to: announced by NOTAM or SUP	
01/23	BAIA MARE / Maramureș Airport, rescue and fire fighting services	AD 2.3	from: 23 MAR 2023 to: announced by NOTAM or SUP	
AIRAC 04/23	SATU MARE / Satu Mare, Aircraft Parking/Docking Chart - ICAO temporarily suspended.	AD 2.12	from: 20 APR 2023 to: announced by NOTAM or SUP	
02/23	BUCUREȘTI / Băneasa-Aurel Vlaicu Airport, parking charge.	GEN 4.1	from: 05 OCT 2023 to: announced by NOTAM or SUP	
03/23	BUCUREȘTI / Băneasa-Aurel Vlaicu Airport, lighting charge.	GEN 4.1	from: 02 NOV 2023 to: announced by NOTAM or SUP	
04/24	<del>CLUJ NAPOCA / Avram Iancu Airport, airport development charge.</del>	<del>GEN 4.1</del>	<del>from: 01 NOV 2024 to: 19 FEB 2025</del>	AIP SUP 01/25
AIRAC 02/24	BUCUREȘTI FIR - Țăndărei Solar wind farm under construction	ENR 5.4, AD 2.4, AD 2.5, AD 2.8	from: 28 NOV 2024 to: 30 NOV 2026 EST	
AIRAC 03/24	BUCUREȘTI FIR - Alexandru Odobescu wind farms under construction	ENR 5.4, AD 2.4, AD 2.5, AD 2.8	from: 28 NOV 2024 to: 30 NOV 2026 EST	
AIRAC 04/24	BUCUREȘTI FIR - Gurbănești wind farm under construction	ENR 5.4, AD 2.4, AD 2.5	from: 28 NOV 2024 to: 30 NOV 2026 EST	
AIRAC 05/24	BUCUREȘTI FIR - Hârlău wind farm under construction	ENR 5.4, AD 2.14	from: 28 NOV 2024 to: 30 NOV 2026 EST	
AIRAC 06/24	BUCUREȘTI FIR - Deleni 1 wind farm and Scobinți wind farm under construction	ENR 5.4, AD 2.10	from: 28 NOV 2024 to: 30 NOV 2026 EST	
AIRAC 08/24	BUCUREȘTI FIR - Casimcea 1 wind farm and Casimcea 2 wind farm under construction	ENR 5.4, AD 2.8	from: 28 NOV 2024 to: 30 NOV 2026 EST	
AIRAC 09/24	BUCUREȘTI FIR - Cerchezu wind farm under construction	ENR 5.4, ENR 6-2, AD 2.8	from: 26 DEC 2024 to: 30 DEC 2026 EST	
AIRAC 10/24	BUCUREȘTI FIR - Cobadin wind farm and Pietreni wind farm under construction	ENR 5.4, AD 2.8	from: 26 DEC 2024 to: 30 NOV 2026 EST	
AIRAC 01/25	BUCUREȘTI FIR - Rugăria Eolian wind farm under construction	ENR 5.4, ENR 6-2, AD 2.2	from: 23 JAN 2025 to: 31 DEC 2026 EST	
01/25	CLUJ NAPOCA / Avram Iancu Airport, airport development charge.	GEN 4.1	from: 20 FEB 2025 to: 31 DEC 2028	
02/25	IAȘI / Iași Airport, airport development charge.	GEN 4.1	from: 20 FEB 2025 to: 31 DEC 2030	

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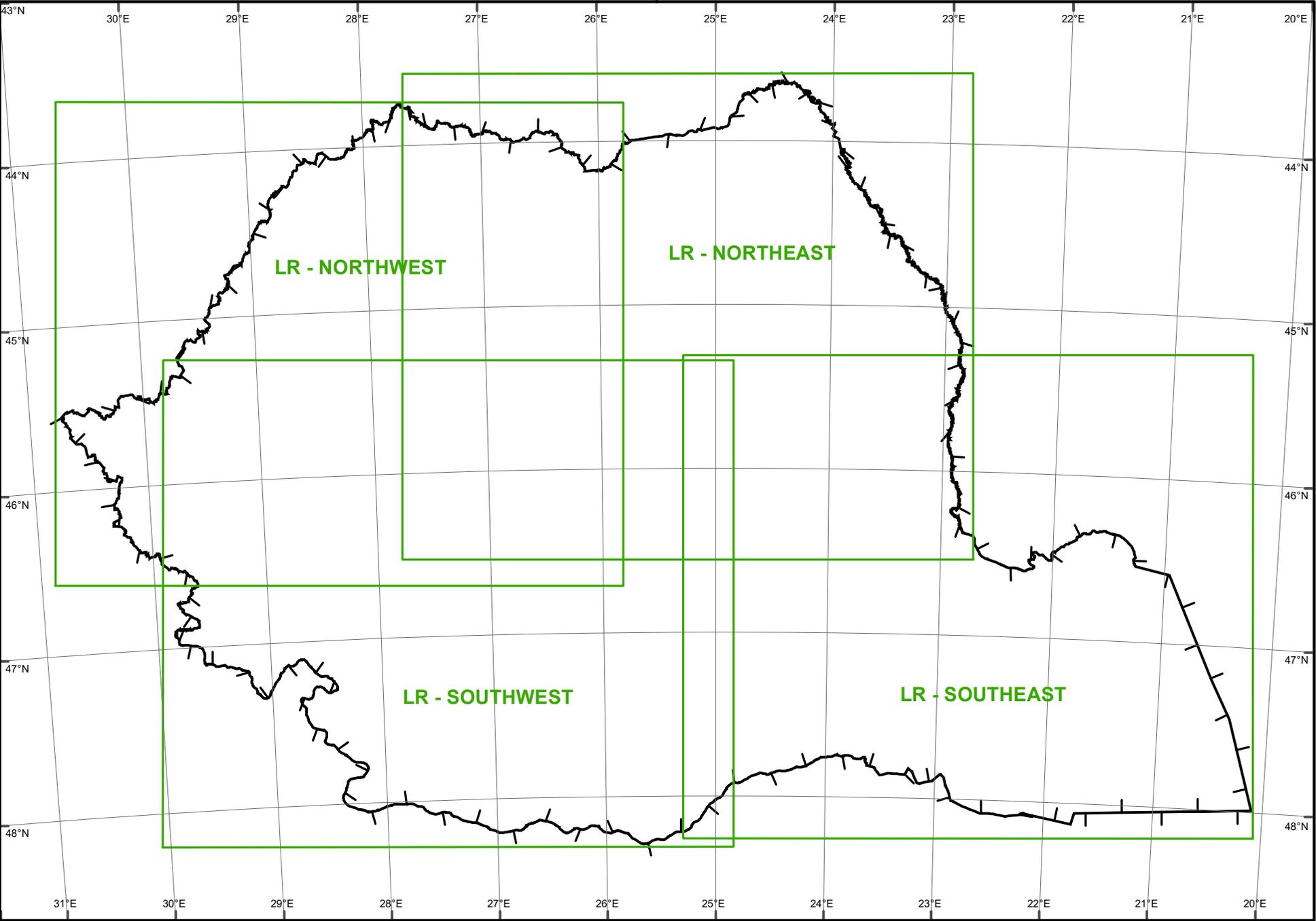
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AD 2.18-20	15 JUL 2021	AD 2.28-5	10 AUG 2023	AD 2.32-4	28 DEC 2023
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AD 2.21-20	19 JUL 2018	AD 2.29-31a	15 JUN 2023	AD 3.7-4	13 AUG 2020
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## GEN 0.5 LIST OF HAND AMENDMENTS TO THE AIP

<b>AIP page(s) Affected</b>	<b>Amendment text</b>	<b>Introduced by AIP Amendment NO</b>
<b>1</b>	<b>2</b>	<b>3</b>
ENR 6-2 08 AUG 2024	ENROUTE CHART, on request reporting points ARPIG on P133 and Y34, ABOLO on T74 and Y33 and LESVO on Y32 change to compulsory reporting points.	AIRAC 11/24 31 OCT 2024
ENR 6-2 08 AUG 2024	ENROUTE CHART, DME stations to be added as follows: ADAMCLISI (ADM), ARINI (ARN), BACĂU (BAC), BĂIȘOARA (BAI), CENEI (CNI), CICĂU (CIC), COMANA (COM), DEALU CIUHII (CHU), HADÂMBU (HDB), HENIU (HNU), IAȘI (ISI), ISTRIA (ISA), LUGOJ (LGJ), ODOBEȘTI (ODB), PĂLTINIȘ (PLT), PÎCIOR DE MUNTE (PMT), SACOȘU MARE (SAC), STOLNICENI (STL), STRUNGA (STR), ȘIRIA (SIR), TOPOLOG (TPG), TUZLA (TZL), ZALĂU (ZLU). For details see ENR 4.1 RADIO NAVIGATION AIDS – EN-ROUTE	AIRAC 01/25 23 JAN 2025
ENR 6-2 08 AUG 2024	ENROUTE CHART, BRAȘOV ATIS 124.530 to be added.	AIRAC 02/25 20 FEB 2025



6. Index to Aeronautical Chart - ICAO 1 : 500000

**7. Topographical Chart**

Information not available.

**7. Hărți Topografice**

Informații indisponibile.

**8. Corrections to charts not contained in the AIP / Corecții ale hărților care nu sunt incluse în AIP**

Name of the chart Numele hărții	Location Locația	Corrections Corecții
1	2	3
<b>VFR Chart - ICAO 1:500.000</b> VFR Chart North-West ROMANIA (LR-NW) VFR Chart North-East ROMANIA (LR-NE)	BAIA MARE CTR	The horizontal limits change as follows: 474632N 0231117E - arc of circle centred at 473930N 0232758E (ARP) and radius 13.3 NM - 473642N 0230846E - 474140N 0230939E - 474702N 0230719E - 474632N 0231117E.
<b>VFR Chart - ICAO 1:500.000</b> VFR Chart North-West ROMANIA (LR-NW) VFR Chart North-East ROMANIA (LR-NE) VFR Chart South-East ROMANIA (LR-SE) VFR Chart South-West ROMANIA (LR-SW)	BRAȘOV	ATIS channel on verso as follow: BRAȘOV ATIS 124.530

## 9. Other automated meteorological services

### 9.1 Automatic Terminal Information Service (ATIS)

Automatic terminal information service (ATIS) are available for **BRAȘOV/Brașov-Ghimbav**, BUCUREȘTI/Băneasa-Aurel Vlaicu, BUCUREȘTI/Henri Coandă, CLUJ NAPOCA/Avram Iancu, CONSTANȚA/Mihail Kogălniceanu-Constanța, IAȘI/Iași, SIBIU/Sibiu, TÂRGU MUREȘ/Transilvania-Târgu Mureș and TIMIȘOARA/Traian Vuia international airports. The language used during broadcasts is english. Each broadcast is initiated by a literal designator and contains information to arriving and departing aircraft, according to ICAO Annex 11, chapter 4.3.7. The corresponding VHF frequencies are listed under individual aerodrome sections AD 2.18 ATS Communication facilities.

*Note.- Details of meteorological briefing at aerodromes are given in the individual aerodrome sections.*

### 9.2 METAR AUTO

For aerodromes not having H24 operating schedule, METAR/SPECI AUTO messages are issued outside the aerodrome operational hours, containing authorized information only for the following elements: surface wind, RVR, cloud base, air temperature, dew point temperature and QNH. Other meteorological elements are not intended and shall not be used for operational purposes. During aerodrome operational hours, METAR/SPECI are issued by certified personnel.

## 9. Alte servicii meteorologice automatizate

### 9.1 Serviciul de informare automată pentru zona terminală (ATIS)

Pentru aerodromurile BRAȘOV/Brașov-Ghimbav, BUCUREȘTI/Băneasa-Aurel Vlaicu, BUCUREȘTI/Henri Coandă, CLUJ NAPOCA/Avram Iancu, CONSTANȚA/Mihail Kogălniceanu-Constanța, IAȘI/Iași, SIBIU/Sibiu, TÂRGU MUREȘ/Transilvania-Târgu Mureș și TIMIȘOARA/Traian Vuia este furnizat serviciul de informare automată pentru zona terminală (ATIS). În cadrul emisieii ATIS se folosește limba engleză. Fiecare emisie este inițiată printr-un identificator alfabetic și conține informații pentru aeronavele care sosesc sau pleacă de pe respectivul aerodrom, în concordanță cu prevederile Anexei 11 ICAO, capitolul 4.3.7. Frecvențele VHF corespunzătoare sunt listate pentru fiecare aerodrom în secțiunea AD 2.18 ATS Communication facilities.

*Notă: Detalii privind informațiile meteorologice furnizate la aerodromuri sunt listate în secțiunile individuale ale acestora.*

### 9.2 METAR AUTO

Pentru aerodromurile care nu au program de operare H24, în afara orelor de operare la aerodrom sunt emise mesaje METAR/SPECI AUTO conținând informații autorizate numai pentru următoarele elemente: vânt la suprafață, RVR, baza norilor, temperatura aerului, temperatura punctului de rouă și QNH. Alte elemente meteorologice nu sunt destinate și nu vor fi folosite în scopuri operaționale. În timpul orelor de operare la aerodrom, METAR/SPECI sunt emise de personal certificat.

**IAȘI / Iași (LRIA)****1. Landing Charge**

UNIT RATE: 4.00 EURO / tone

ADDITIONAL CONDITIONS ASSOCIATED: Depending on the number of landings made by an air operator within one month, from approved landing charge may apply the following discounts:

No. of landings / month	Discount (%)
10 - 20	5
21 - 30	10
31 - 40	15
41 - 50	20
51 - 60	25
61 - 70	30
71 - 80	35
81 - 100	40
101 - 150	45
≥ 151	50

**Note:** Discounts are only granted for regular commercial flights**2. Lighting charge**

UNIT RATE: 2.00 EURO / tone

**3. Parking charge**

UNIT RATE: 0.20 EURO / tone / hour

**4. Passengers service**

UNIT RATE: 8.00 EURO / embarked passenger

ADDITIONAL CONDITIONS ASSOCIATED: Depending on the number of passengers embarked by an air operator from Iași International Airport within one year, from approved passengers service charge may apply the following discounts:

No. of embarked pax / year	Discount (%)
100.000 - 125.000	5
125.001 - 150.000	10
150.001 - 175.000	15
175.001 - 200.000	20
200.001 - 225.000	25
225.001 - 250.000	30
250001 - 300000	35
300001 - 400000	40
400001 - 600000	45
≥ 600.001	50

**Notes:**

1. Discounts will be applied at the remained amount after the safety oversight fee is lowered (OMT no. 7/2014) and SITA.
2. Discounts are only granted for regular commercial flights

**5. Airport security charge**

UNIT RATE: 2.00 EURO / embarked passenger with departure point LRIA

**6. Other charges****NIL**

## IAȘI / Iași (LRIA)

### 1. Tariful de aterizare

NIVELUL UNITAR AL TARIFULUI: 4.00 EURO / tonă

CONDIȚII SUPLIMENTARE ASOCIATE: În funcție de numărul de aterizări efectuate de către un operator aerian în decurs de o lună, la tariful de aterizare aprobat, se pot aplica următoarele reduceri:

Nr. aterizări / lună	Reducere (%)
10 - 20	5
21 - 30	10
31 - 40	15
41 - 50	20
51 - 60	25
61 - 70	30
71 - 80	35
81 - 100	40
101 - 150	45
≥ 151	50

**Note:** Reducerile se acorda doar pentru zboruri comerciale regulate.

### 2. Tariful de iluminare

NIVELUL UNITAR AL TARIFULUI: 2.00 EURO / tonă

### 3. Tariful de staționare

NIVELUL UNITAR AL TARIFULUI: 0.20 EURO / tonă / oră

### 4. Servicii pentru pasageri

NIVELUL UNITAR AL TARIFULUI: 8.00 EURO / pasager îmbarcat

CONDIȚII SUPLIMENTARE ASOCIATE: În funcție de numărul de pasageri îmbarcați de o companie aeriană de la Aeroportul Internațional Iași, în decurs de un an, la tariful de servicii pentru pasageri aprobat se pot aplica următoarele reduceri:

Nr. pax îmbarcați / an	Reducere (%)
100.000 - 125.000	5
125.001 - 150.000	10
150.001 - 175.000	15
175.001 - 200.000	20
200.001 - 225.000	25
225.001 - 250.000	30
250001 - 300000	35
300001 - 400000	40
400001 - 600000	45
≥ 600.001	50

**Note:**

1. Reducerea se aplică la suma rămasă după deducerea tarifelor colectate pentru supravegherea obiectivelor necesare siguranței pasagerilor (OMT nr. 7/2014) și SITA.
2. Reducerile se acordă doar pentru zboruri comerciale regulate.

### 5. Tarif de securitate

NIVELUL UNITAR AL TARIFULUI: 2.00 EURO / pasager îmbarcat cu punctul de plecare LRIA

### 6. Alte tarife

**NIL**

## 7. Incentives for the operation of new routes

Airport charge	Discount Year 1 (%)	Discount Year 2 (%)	Discount Year 3 (%)
Landing fee	50	40	30
Passenger fee <sup>*)</sup>	30	20	10
Development fee	50	50	50

<sup>\*)</sup> Discounts will be applied at the remained amount after the safety oversight fee is lowered (OMT no. 7/2014) and SITA.

### ELIGIBILITY CONDITIONS:

- a) The new route is defined as any destination that, at the time of ticketing, provides a direct connection with an airport located at least 100 km on road or at least 60 minutes by car or train from an airport served by a direct connection with Iasi Airport.
- b) Destinations previously served by an operator and cancelled may be considered new routes when resumed after a period of at least 12 months, or at any time, when resumed by another operator only if there is no code share agreement or there are no subsidiaries of the same group.
- c) This discount scheme is not cumulated with other applicable discount schemes.
- d) If an operator fulfills conditions for several discount schemes, he may opt for the most advantageous scheme, with conditions notified in advance by the aerodrome administrator. For the application of volume reductions, all passengers carried by the operator are taken into account, but they apply only to passengers who do not benefit from discounts for new routes.
- e) The facilities are granted for a maximum period of 36 months, according to the scheme, calculated starting with the first day of operation.
- f) This scheme applies only to regular commercial flights. The minimum operating frequency is 2 days a week.
- g) If several operators request incentives to open the same new route, only those who operate the route within a maximum of three months from the date of the first flight on that route are eligible. The 24-month incentive period runs from the date of the first flight.
- h) Within 15 days from the date of ticketing, the operators must send a request for the opening of new routes, which must include at least the following data:
  - Proposed destination;
  - Operating frequency;
  - Proposed operating program;
  - Assigned aircraft type;
- i) Discounts in this scheme are granted monthly.

## 8. Payment and application rules

**8.1** All flights will initially be charged at the standard values.

**8.2** The payment of airport charges for the airlines with non scheduled flights or for airlines without a valid operational contract concluded with the airport, will be made in cash or by credit card before take-off.

**8.3** The payment of airport charges, for the airlines with schedule flights and providing a valid operational contract concluded with Iasi I'nal Airport, will be made by bank transfer according to the contract agreements

**8.4** For airport landing, lighting and parking charges - whose charging base is tonne - the tonne fractions less than 500 Kg are neglected, and the highest of 500 Kg are considered a tonne. Aircraft with maximum take-off mass less than 500 kg will be charged as a tonne.

**8.5** Stationary charge is applied for each hour or fraction of an hour of stationary aircraft at the airport, except for the first three hours after landing. The fraction of time is set at 15 minutes.

**8.6** Charges for passenger services, airport security and development are applied per passenger boarded from Iasi I'nal Airport. Children under the age of two are exempt from payment of these charges.

## 7. Reduceri pentru operare de rute noi

Tarife de aeroport	Reducere anul 1 (%)	Reducere anul 2 (%)	Reducere anul 3 (%)
Tarif de aterizare	50	40	30
Tarif de servicii pentru pasageri*)	30	20	10
Tarif de dezvoltare	50	50	50

\*) Reducerea se aplică la suma rămasă după deducerea tarifelor colectate pentru supravegherea obiectivelor necesare siguranței pasagerilor (OMT nr. 7/2014) și SITA.

### CONDIȚII DE ELIGIBILITATE:

- a) Ruta nouă reprezintă orice destinație care, la momentul punerii în vânzare a biletelor, realizează o conexiune directă cu un aeroport situat la cel puțin 100 km distanță rutieră sau la cel puțin 60 de minute de mers cu mașina sau cu trenul față de un aeroport deservit de o conexiune directă cu Aeroportul Iași.
- b) Destinațiile anterior deservite de un operator și anulate pot fi considerate rute noi la reluarea după o perioadă de cel puțin 12 luni sau oricând, la reluarea de către un alt operator, doar în cazul în care nu există un acord de tip cod share sau nu sunt companii subsidiare ale aceluiași grup.
- c) Prezenta schemă de reduceri nu se cumulează cu alte scheme de reduceri aplicabile.
- d) În cazul în care un operator indeplinește condițiile pentru mai multe scheme de reduceri, acesta poate opta pentru schema cea mai avantajoasă, cu condiția notificării prealabile a administratorului de aerodrom. Pentru aplicarea reducerilor de volum se iau în considerare toți pasagerii transportați de operator, dar acestea se aplică doar pasagerilor care nu beneficiază de reduceri pentru rute noi.
- e) Facilitățile se acordă pentru o perioadă de maxim 36 luni, conform schemei, calculate începând cu prima zi de operare.
- f) Prezenta schemă se aplica doar zborurilor comerciale regulate. Frecvența minimă de operare este de 2 zile pe săptămână.
- g) În situația în care mai mulți operatori solicită stimulente pentru deschiderea aceleiași rute noi, sunt eligibili doar cei care operează ruta în cel mult trei luni de la data primului zbor pe ruta respectivă. Perioada de 24 de luni de acordare a stimulentei curge de la data primului zbor.
- h) În cel mult 15 zile de la data punerii în vânzare a biletelor, operatorii trebuie să transmită o solicitare de deschidere de rute noi, care să cuprindă cel puțin următoarele date:
  - Destinația propusă;
  - Frecvența de operare;
  - Programul de operare propus;
  - Tipul de aeronavă alocat.
- i) Reducerile din această schemă se acordă lunar.

## 8. Mod de plată și reguli de aplicare

**8.1** Toate zborurile vor fi inițial taxate la nivelul tarifelor standard.

**8.2** Plata tarifelor de aeroport, pentru companiile aeriene care efectuează zboruri ocazionale sau care nu au contracte valide semnate cu aeroportul, se face cash sau prin card, înainte de decolare.

**8.3** Plata tarifelor de aeroport, pentru companiile aeriene care efectuează zboruri regulate și care au contracte valide semnate cu aeroportul, se face prin transfer bancar, în conformitate cu prevederile contractuale.

**8.4** Pentru tarifele aeroportuare de aterizare, iluminare și staționare a căror bază de tarifare este tona, fracțiunile de tonă mai mici de 500 Kg se neglijează, iar cele mai mari de 500 Kg se consideră o tonă. Aeronavele cu masa maximă de decolare mai mică de 500 Kg vor fi tarifate pentru o tonă.

**8.5** În cazul tarifului de staționare, aceasta se percepe pentru fiecare oră sau fracțiune de oră de staționare a aeronavei pe aeroport, cu excepția primelor trei ore după aterizare. Frațiunea de oră se stabilește la 15 minute.

**8.6** Tarifele de servicii pentru pasageri, de securitate aeroportuară și de dezvoltare se percep pentru fiecare pasager îmbarcat de pe Aeroportul Internațional Iași. Copiii mai mici de 2 ani sunt exceptați de la plata acestor tarife.

## ENR 4. RADIO NAVIGATION AIDS/SYSTEMS

## ENR 4.1 RADIO NAVIGATION AIDS - EN-ROUTE

Name of station (VOR/VAR)	ID	FREQ (CH)	Hours of operation	Coordinates	ELEV DME antenna (FT)	Remarks
1	2	3	4	5	6	7
ADAMCLISI DME	ADM	1077.000MHz (53X)	H24	440525N 0275739E	700	Coverage 100 NM*
ARAD DVOR/DME (5°E/2017)	ARD	109.000 MHz (CH 27X)	H24	461103N 0210837E	400	Coverage 175 NM*
ARINI DME	ARN	1060.000MHz (36Y)	H24	462246N 0270924E	1900	Coverage 100 NM*
BACĂU DME	BAC	1145.000 MHz (CH 121X)	H24	463005N 0265505E	700	Coverage 100 NM** Unusable in sector 210°-290°
BACĂU DVOR/DME (5°E/2010)	BCU	109.400 MHz (CH 31X)	H24	463039N 0264932E	1800	Coverage 175 NM* FRA (I)
BAIA MARE NDB	BMR	404 KHz	H24	474016N 0232045E		Coverage 100 NM** FRA (I)
BĂIȘOARA DME	BAI	1150.000 MHz (CH 126Y)	H24	462928N 0231412E	6000	Coverage 100 NM** Unusable in sector 140°-260°
BRAȘOV DVOR/DME (6°E/2019)	BRV	117.600 MHz (CH 123X)	H24	453403N 0253353E	5900	Coverage 175 NM* DVOR unusable over 20 NM bellow FL180 in sector 230°-080° clockwise FRA (I)
CENEI DME	CNI	1127.000 MHz (CH 103X)	H24	454258N 0205427E	300	Coverage 100 NM**
CICĂU DME	CIC	1083.000MHz (59Y)	H24	461940N 0233211E	3400	Coverage 100 NM* Unusable in sector 230°-340°
CLUJ DVOR/DME (5°E/2015)	CLJ	111.200 MHz (CH 49X)	H24	464800N 0234714E	1600	Coverage 175 NM*
COMANA DME	COM	1069.000MHz (45X)	H24	441033N 0260859E	400	Coverage 100 NM*
CONSTANȚA DVOR/DME (7°E/2021)	CND	112.700 MHz (CH 74X)	H24	441708N 0282842E	300	Coverage 150 NM* FRA (I): FL175 - FL660
CRAIOVA DVOR/DME (5°E/2019)	CRV	110.200 MHz (CH 39X)	H24	441907N 0235522E	600	Coverage 100 NM* FRA (I)
DEALUL CIUHII DME	CHU	1053.000 MHz (CH 29X)	H24	461059N 0244914E	2500	Coverage 100 NM** Unusable in sector 110°-205°
DEVA DVOR/DME (5°E/2019)	DVA	109.800 MHz (CH 35X)	H24	454941N 0225808E	900	Coverage 100 NM* FRA (I)
FLOREȘTI VOR/DME (5°E/2010)	FLR	112.200 MHz (CH 59X)	H24	443003N 0254229E	400	Coverage 150 NM* FRA (I): FL175 - FL660
GALAȚI DVOR/DME (6°E/2019)	GLT	108.200 MHz (CH 19X)	H24	452459N 0275540E	200	Coverage 175 NM* FRA (I) FRA (AD): LRTC

1	2	3	4	5	6	7
HADÂMBU DME	HDB	1046.000MHz (22X)	H24	470054N 0272526E	1500	Coverage 100 NM*
HENIU DME	HNU	1087.000 MHz (CH 63X)	H24	471639N 0244407E	5400	Coverage 100 NM** Unusable in sector 310°-075°
IAȘI DME	ISI	1106.000 MHz (CH 82X)	H24	471404N 0273446E	300	Coverage 100 NM** Unusable in sector 200°-230°
IAȘI NDB	ISI	351 KHz	H24	471403N 0273447E		Coverage 50 NM** FRA (I)
ISTRITA DME	ISA	1129.000MHz (105Y)	H24	450709N 0263235E	2500	Coverage 100 NM*
LUGOJ DME	LGJ	1091.000 MHz (CH 67X)	H24	454311N 0215942E	800	Coverage 100 NM**
ODOBEȘTI DME	ODB	1054.000MHz (30Y)	H24	464152N <u>0271000E</u>	1600	Coverage 100 NM*
ORADEA NDB	ORA	418 KHz	H24	470601N 0215527E		Coverage 100 NM** FRA (I)
PĂLTINIȘ DME	PLT	1102.000MHz (78X)	H24	453832N 0235637E	5800	Coverage 100 NM* Unusable in sector 90°-92° and 190°-260°
PICIOR DE MUNTE DME	PMT	1118.000MHz (94X)	H24	444638N 0252308E	900	Coverage 100 NM*
ROȘIORI DVOR/DME (5°E/2010)	OPT	117.100 MHz (CH 118X)	H24	443533N 0263337E	300	Coverage 80 NM* FRA (I): FL175 - FL660
SACOȘU MARE DME	SAC	1072.000MHz (48X)	H24	453346N 0214324E	1300	Coverage 100 NM*
SATU MARE DVOR/DME (5°E/2017)	SAT	108.400 MHz (CH 21X)	H24	474339N 0225338E	500	Coverage 150 NM* FRA (I) FRA (AD): LRBM
SIBIU DVOR/DME (5°E/2010)	SBI	114.000 MHz (CH 87X)	H24	454651N 0240516E	1500	Coverage 150NM DVOR Coverage 100NM DME
SIBIU NDB	SIB	381 KHz	H24	454706N 0240909E		Coverage 100 NM** FRA (I): FL175 - FL660
STOLNICENI DME	STL	1100.000MHz (76X)	H24	473409N 0271521E	800	Coverage 100 NM*
STREJNIC DVOR/DME (5°E/2010)	STJ	113.200 MHz (CH 79X)	H24	445507N 0255837E	600	Coverage 80 NM* FRA (I): FL175 - FL660
STRUNGA DME	STR	1049.000MHz (25X)	H24	470940N 0265637E	1200	Coverage 100 NM*
SUCEAVA DVOR/DME (7°E/2020)	SCV	112.300 MHz (CH 70X)	H24	474020N 0262139E	1300	Coverage 175 NM* FRA (I)
ȘIRIA DME	SIR	1117.000MHz (93X)	H24	461555N 0213950E	1800	Coverage 100 NM*
TÂRGU JIU VOR/DME (5°E/2019)	TGJ	115.300 MHz (CH 100X)	H24	450339N 0232003E	900	Coverage 150 NM*
TÂRGU MUREȘ NDB	TGM	428 KHz	H24	462649N 0241823E		Coverage 80 NM** FRA (I): FL175 - FL660

**AD 1.5 AERODROME/HELIPORT CERTIFICATION STATUS  
STATUTUL CERTIFICĂRII AERODROMURILOR/HELIPORTURILOR**

<i>Aerodrome name Location indicator</i>	<i>Date of initial certification Data certificării inițiale</i>	<i>Certificate validity Valabilitatea certificatului</i>	<i>Remarks Observații</i>
1	2	3	4
ARAD/Arad LRAR	15.04.2002	Unlimited	AD 2.1
ARAD/Charlie-Bravo Șiria LRCB	20.10.2014	01.11.2024	AD 2.25
BACĂU/George Enescu LRBC	01.09.2002	Unlimited	AD 2.2 Civ / Mil
BAIA MARE/Maramureș LRBM	10.07.2002	Unlimited	AD 2.3
BISTRIȚA/Bistrița LRBN	23.03.2017	20.07.2024	AD 2.26
BRAȘOV/Brașov-Ghimbav LRBV	09.12.2022	Unlimited	AD 2.29
BUCUREȘTI/Băneasa-Aurel Vlaicu LRBS	15.07.2002	Unlimited	AD 2.4
BUCUREȘTI/Henri Coandă LROP	30.04.2002	Unlimited	AD 2.5 Civ / Mil
CARANSEBEȘ/Banat-Caransebeș LRCS	29.05.2020	Unlimited	AD 2.6
CISNĂDIE/Măgura LRCD	23.06.2008	Unlimited	AD 2.18
CLINCENI/Clinceni LRCN	24.05.2016	Unlimited	AD 2.28
CLUJ NAPOCA/Avram Iancu LRCL	15.06.2002	Unlimited	AD 2.7
CONSTANȚA/Mihail Kogălniceanu- Constanța LRCK	10.06.2002	Unlimited	AD 2.8 Civ / Mil
Corona-Brașov	04.11.2022	Unlimited	Not published
CRAIOVA/Craiova LRCV	25.04.2002	Unlimited	AD 2.9
CRAIOVA/Craiova-Sud LRCW	19.10.2011	Unlimited	AD 2.32
DEVA/Săulești-Constantin Manolache LRDV	13.10.2011	Unlimited	AD 2.24
DEZMIR/Dezmir LRDJ	04.01.2019	Unlimited	AD 2.30
GHEORGHENI / Remetea LRHR	26.04.2023	25.04.2024	AD 2.31
GRĂDIȘTEA/Grădiștea LRBA	26.08.2019	Unlimited	AD 2.27
IAȘI/Iași LRJA	30.05.2002	Unlimited	AD 2.10
IAȘI/Iași Sud LRIS	25.07.2011	Unlimited	Not published
ORADEA/Oradea LROD	20.08.2002	Unlimited	AD 2.11
PITEȘTI/Geamăna LRPT	10.10.2011	Unlimited	AD 2.23
PLOIEȘTI/Gheorghe Valentin Bibescu - Ploiești LRPW	26.07.2007	15.09.2024	AD 2.19
SATU MARE/Satu Mare LRSM	10.07.2002	Unlimited	AD 2.12
Sânmihaiu German LRSG	07.12.2023	Unlimited	Not published
SÂNPETRU/Sânpetru LRSP	22.02.2010	Unlimited	AD 2.21

<b>Aerodrome name Location indicator</b>	<b>Date of initial certification Data certificării inițiale</b>	<b>Certificate validity Valabilitatea certificatului</b>	<b>Remarks Observații</b>
1	2	3	4
SIBIU/Sibiu LRSB	30.07.2002	Unlimited	AD 2.13
SUCEAVA/Ștefan cel Mare-Suceava LRSV	01.09.2002	Unlimited	AD 2.14
TÂRGU-MUREȘ/Mureșeni LRMS	26.05.2011	Unlimited	Not published
TÂRGU-MUREȘ/Transilvania-Târgu Mureș LRTM	20.06.2002	Unlimited	AD 2.15
TIMIȘOARA/Traian Vuia LRTR	01.10.2003	Unlimited	AD 2.16 Civ / Mil
TULCEA/Delta Dunării LRTC	03.10.2002	Unlimited	AD 2.17
TUZLA/Tuzla LRTZ	15.11.2004	Unlimited	AD 2.20
Zănești-Neamț LRZN	01.08.2022	Unlimited	Not published

<b>Heliport name Location indicator</b>	<b>Date of initial certification Data certificării inițiale</b>	<b>Certificate validity Valabilitatea certificatului</b>	<b>Remarks Observații</b>
1	2	3	4
BALC/Complex Vânătoare Fagu-Balc LRFB	07.08.2012	Unlimited	Not published
BUCUREȘTI/Spitalul Universitar de Urgență (SUUB)	03.12.2019	25.11.2024	Not published
BUCUREȘTI/West Gate LRWG	30.06.2014	20.07.2024	Not published
CONSTANȚA/Punct de Operare Aeromedicală SMURD LRCH	07.03.2016	Unlimited	Not published
GHIMBAV/IAR BRAȘOV LRBG	17.06.2009	15.12.2024	AD 3.2
GHIMBAV/MIR AERO-Brașov LRMA	26.10.2017	Unlimited	AD 3.6
Heliportul Spitalului Județean de Urgență Bistrița - SMURD BN 1	16.08.2021	16.08.2024	Not published
Heliplatforma ANA	07.03.2022	10.09.2025	Not published

**LROP AD 2.1 AERODROME LOCATION INDICATOR AND NAME**  
**LROP - BUCUREȘTI / Henri Coandă**

**LROP AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1	ARP coordinates and site at AD	443416N 0260506E On TWY "N".
2	Direction and distance from city	16.5 km North from București
3	Elevation /Reference temperature/Mean low temperature	314 FT / 31.5°C / -10.6°C
4	Geoid undulation at AD ELEV PSN	114 FT
5	MAG VAR/ Annual rate of change	5°E (2010) / 2.1'E
6	AD Administration, address, telephone, telefax, e-mail address, AFS address, website address	Aeroportul București/Henri Coandă Calea București nr. 224E, Otopeni, Jud. Ilfov Tel : +40-(0)21-2013304; +40-(0)21-2041000; +40-(0)21-2014000 Fax: +40-(0)21-2014990; +40-(0)21-3126866 AFS: LROPRAYD SITA: OTPAPXH web: www.cnab.ro e-mail: contact@cnab.ro
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	1. Military administration: Address: Str. Zborului, nr.1, Otopeni, jud. ILFOV. Tel. +40 21 3505517 Fax. +40 21 3511862 AFS: LROPYWYX E-mail: um01961coba@roaf.ro URL: http://www.aamn.ro 2. For acces in MIL area, MIL PPR is necessary. PPR form, 48hours in advance. For military regulation and PPR form, see MIL AIP ROMANIA, GEN 1.2. Entry of military Aircraft.

**LROP AD 2.3 OPERATIONAL HOURS**

1	AD Administration	H24
2	Customs and immigration	H24
3	Health and sanitation	H24
4	AIS Briefing Office	H24
5	ATS Reporting Office (ARO)	H24 ; Tel: +40-(0)21-2032122 / +40-(0)21-2032127 / +40-(0)21-3114315 Fax: +40-(0)21-2032127 / +40-(0)21-3114316
6	MET Briefing Office	H24
7	ATS	H24
8	Fueling	H24
9	Handling	H24
10	Security	H24
11	De-icing	H24
12	Remarks	NIL

**LROP AD 2.4 HANDLING SERVICES AND FACILITIES**

1	Cargo-handling facilities	5 forklift, 19 highloaders, 35 conveyor belts, 61 tractors, 81 pallet dolly, 130 cargo cart, 98 cargo dolly, 38 mail containers, 24 ULD dollies LD4.
2	Fuel/Oil types	Kerosene: JET A1, NATO Code F34, NATO Code F35, JP8 Fuel Additive: Icing inhibitor, High Flash Point, with Anti-Corrosion & Lubricating Additive - Nycosol 131; AL48. Static Dissipator - Stadis 450. Oil: NIL
3	Fueling facilities/capacity	Storage: - Kerosene - 9300 m <sup>3</sup> in-line Additiving Skid; - NATO Code F34 - Additive in stock for 2600 m <sup>3</sup> - Kerosene JET A1 - 2800 m <sup>3</sup> Refueling equipments: - Kerosene JET A1 - 17 trucks - Kerosene JP8 (F34) - 2 trucks
4	De-icing facilities	10 de-icing units with type II liquid. 9 de-icing units with type I/II fluid.
5	Hangar space for visiting aircraft	NIL
6	Repair facilities for visiting aircraft	On request / subject of availability
7	Remarks	Airlines or operators are advised that before landing on airport or before filing LROP as an alternate, they are required to have made arrangements for ground handling, specially for towing ops.

**LROP AD 2.5 PASSENGER FACILITIES**

1	Hotels	Hotels in town.
2	Restaurants	Restaurants and bars (23 airside + 14 landside): H24
3	Transportation	Buses, taxis from the AD.
4	Medical facilities	Doctor, 1 surgery, 1 rest room with 2 beds, 2 ambulances, hospital in town.
5	Bank and Post Office	Bank Office: 0700 - 1500. Post Office: 0700 - 1500. Exchange Office: H24
6	Tourist Office	Tourist Office at the AD.
7	Remarks	Rent-a-car office at the AD.

**LROP AD 2.6 RESCUE AND FIRE FIGHTING SERVICES**

1	AD category for fire fighting	Within AD HR: CAT 9
2	Rescue equipment	7 airport firetrucks equipped with specific equipment for rescue and firefighting
3	Capability for removal of disabled aircraft	NIL
4	Remarks	NIL

**LROP AD 2.7 SEASONAL AVAILABILITY - CLEARING**

1	Types of clearing equipment	21 snow ploughs with brush and blower, 5 snow blowers, 3 trucks/plugs/spreaders for liquid/solid de-icing materials. 6 compact snow ploughs with brush, blower, spreader liquid/solid deicing mat. 1 spreader for liquid de-icing materials 7 small plough-brush and spreader (3 solid deicing, 4 liquid deicing).
2	Clearance priorities	1. RWY 08R/26L and associated TWYs and apron 2. RWY 08L/26R and associated TWYs and apron
3	Remarks	Information about Runway surface condition in Global Reporting Format published by SNOWTAM. See also the snow plan in section AD 1.2. Specially prepared winter runways - "Not applicable". Generic fluids and solid materials used for runway de/anti-icing are KAC (potassium acetate fluids) and NAAC (sodium acetate solids).

**LROP AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA**

1	Apron designation, surface and strength	<table border="0"> <tr> <td></td> <td>Apron 1</td> <td>Apron 2</td> <td>Apron 3</td> </tr> <tr> <td>Surface:</td> <td>Concrete</td> <td>Concrete</td> <td>Concrete</td> </tr> <tr> <td>Strength:</td> <td>45/R/D/W/T (stands 116-122) 57/R/D/W/T (stands 101-115) 88/R/D/W/T (stands 131-134)</td> <td>35/R/D/W/T (stands 402R-422) 92/R/D/W/T (stands 201-206)</td> <td>24/R/D/W/T</td> </tr> </table>		Apron 1	Apron 2	Apron 3	Surface:	Concrete	Concrete	Concrete	Strength:	45/R/D/W/T (stands 116-122) 57/R/D/W/T (stands 101-115) 88/R/D/W/T (stands 131-134)	35/R/D/W/T (stands 402R-422) 92/R/D/W/T (stands 201-206)	24/R/D/W/T				
	Apron 1	Apron 2	Apron 3															
Surface:	Concrete	Concrete	Concrete															
Strength:	45/R/D/W/T (stands 116-122) 57/R/D/W/T (stands 101-115) 88/R/D/W/T (stands 131-134)	35/R/D/W/T (stands 402R-422) 92/R/D/W/T (stands 201-206)	24/R/D/W/T															
2	Taxiway designation, width, surface and strength	<p>TWY:</p> <p>Width: 23 M (A, B, D, E, N, Q, P, S, V, W) and 24 M (G).</p> <p>Surface: Asphalt (A, D, G, N, Q, P, S, V, W) and concrete (B, E).</p> <p>Strength: 56/R/D/W/T(A), 59/R/D/W/T(B), 84/F/D/W/T(D), 57/R/D/W/T(E), 59/R/D/W/T(G), 71/R/D/W/T(N), 92/R/D/W/T(P), 92/R/D/W/T(Q), 67/R/D/W/T(S), 92/R/D/W/T(V), 92/R/D/W/T(W).</p> <p>Apron TWY:</p> <p>Width: 23 M (C, J, K, M).</p> <p>Surface: Asphalt (C) and concrete (J, K, M).</p> <p>Strength: 52/R/D/W/T(C), 45/R/D/W/T(J), 57/R/D/W/T(K, M).</p> <p>Aircraft stand taxilane:</p> <p>Width: 23 M (L), 18 M (T).</p> <p>Surface: Concrete (L, T).</p> <p>Strength: 57/R/D/W/T(L), 24/R/D/W/T(T).</p>																
3	ACL location and elevation	<table border="0"> <tr> <td>Location:</td> <td>THR RWY 08R</td> <td>Location:</td> <td>THR RWY 08L</td> </tr> <tr> <td>Elevation:</td> <td>314 FT</td> <td>Elevation:</td> <td>314 FT</td> </tr> <tr> <td>Location:</td> <td>THR RWY 26L</td> <td>Location:</td> <td>THR RWY 26R</td> </tr> <tr> <td>Elevation:</td> <td>303 FT</td> <td>Elevation:</td> <td>304 FT</td> </tr> </table>	Location:	THR RWY 08R	Location:	THR RWY 08L	Elevation:	314 FT	Elevation:	314 FT	Location:	THR RWY 26L	Location:	THR RWY 26R	Elevation:	303 FT	Elevation:	304 FT
Location:	THR RWY 08R	Location:	THR RWY 08L															
Elevation:	314 FT	Elevation:	314 FT															
Location:	THR RWY 26L	Location:	THR RWY 26R															
Elevation:	303 FT	Elevation:	304 FT															
4	VOR checkpoints	NIL																
5	INS checkpoints	See Aircraft Parking/Docking Chart, AD 2.5-22, AD 2.5-23																
6	Remarks	<p>1. RWY turn pad Location: THR 26L Surface: Asphalt Dimensions: 33.7 M x 72 M Strength: 42/R/D/W/T</p> <p>2. For details on MIL TWYs R, H, F see MIL AIP, AD section.</p>																

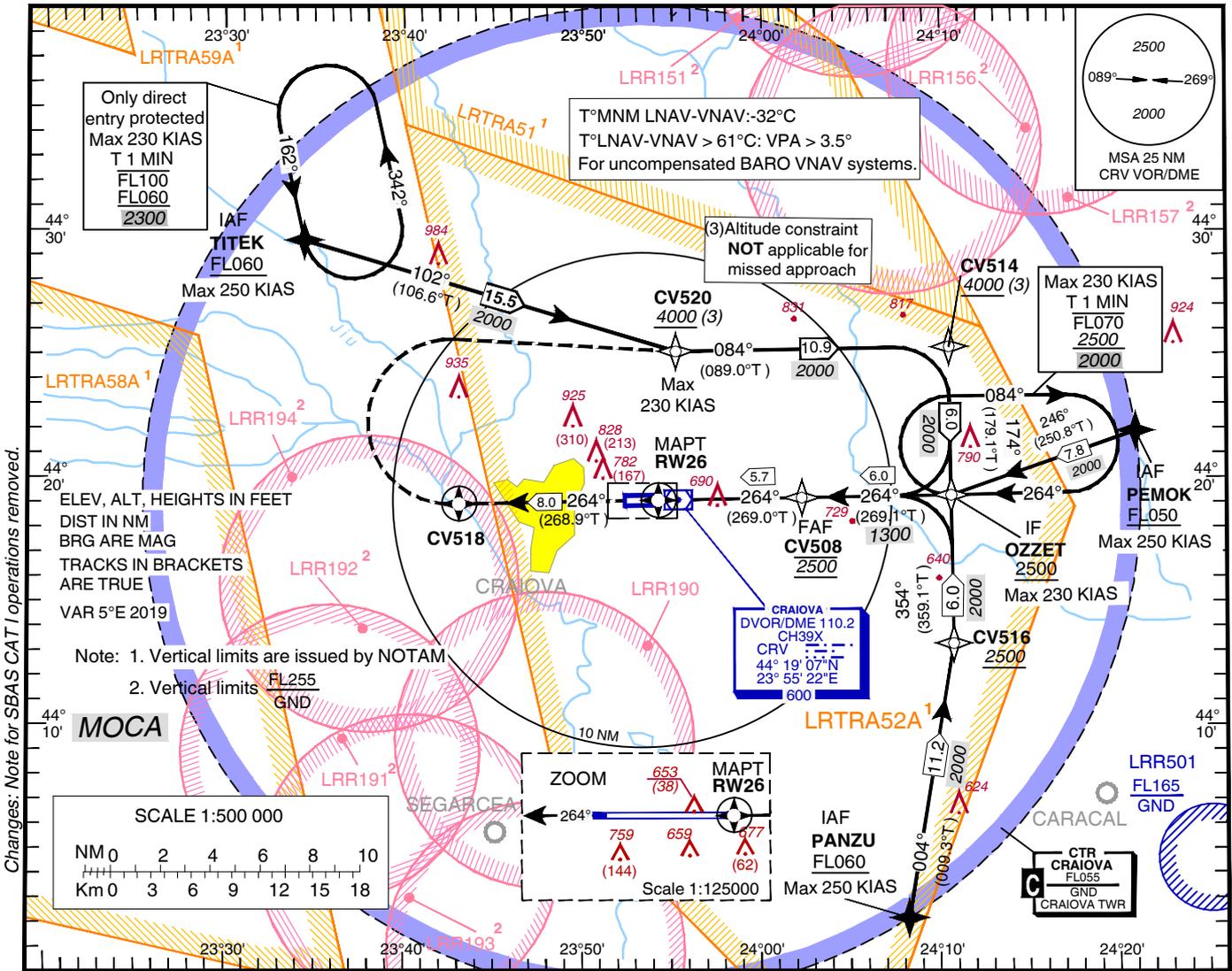
**INSTRUMENT APPROACH**  
**CHART - ICAO**

**AERODROME ELEV. 628 ft**  
HEIGHTS RELATED TO  
THR RWY 26 - ELEV 615 ft

**CRAIOVA / Craiova (LRCV)**  
**RNP RWY 26**

EGNOS  
CH98764  
E26A

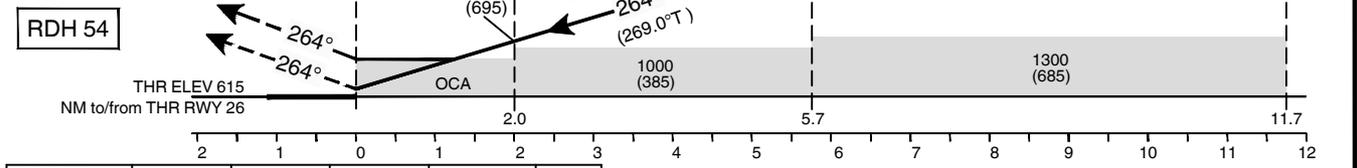
CRAIOVA TOWER 129.530  
CRAIOVA TOWER ALTN 124.300



Changes: Note for SBAS CAT operations removed.

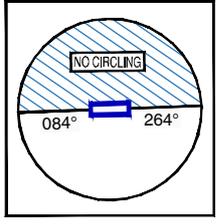
**MISSED APPROACH**

Climb to **CV518**, on course **264°M**. At **CV518** turn **RIGHT** (MAX 230 KIAS) direct to **CV520**, then to **CV514**, then to **OZZET**, climbing to **2500** (1885) and hold or follow ATC instructions.



OCA (H)	A	B	C	D	DL	
LPV	783 (168)	795 (180)	803 (188)	813 (198)		
LNAV/VNAV	810 (195)	820 (205)	830 (215)	850 (235)	-	
LNAV	930 (315)				-	
LNAV w/o SDF	1000 (385)				-	
Circling*	1080	1130	1320	1320	-	
Dist to RW26	NM	1	2	3	4	5
Altitudes (Height)	FT	990 (375)	1310 (695)	1620 (1005)	1940 (1325)	2260 (1645)

GS	KT	70	90	100	120	140	160
FAF-MAPT 5.7 NM	MIN:SEC	4:56	3:50	3:27	2:52	2:28	2:09
Rate of descent (5.24%)	FT/MIN	371	478	531	637	743	849



Timing not authorized for defining the MAPt.  
\* Circling South of airport only.

For data tabulation see verso

CRAIOVA / Craiova (LRCV)  
RNP RWY 26

## AERONAUTICAL DATA TABULATION

LNAV, LNAV/VNAV and LPV approach to RWY26	
Waypoint Identifier	Coordinates
CV508 (FAF)	44°19'12.1"N 024°02'15.5"E
CV514	44°25'17.8"N 024°10'29.3"E
CV516	44°13'17.9"N 024°10'44.4"E
CV518	44°18'56.7"N 023°43'06.7"E
CV520	44°25'06.9"N 023°55'12.8"E
OZZET (IF)	44°19'17.8"N 024°10'36.9"E
PANZU (IAF)	44°02'12.0"N 024°08'13.0"E
PEMOK (IAF)	44°21'52.9"N 024°20'54.5"E
SDF	44°19'08.2"N 023°57'02.2"E
RW26 (MAPT)	44°19'06.08"N 023°54'15.11"E
TITEK (IAF)	44°29'35.8"N 023°34'25.9"E

## RADIO COMMUNICATION FAILURE

- a) If RNP RWY 26 instrument flight procedure was assigned and acknowledged, set transponder 7600, proceed according assigned or designated RNP RWY 26 instrument flight procedure. Descending shall be executed in accordance with vertical restrictions specified on chart.
- b) If RNP RWY 26 instrument flight procedure was not assigned and acknowledged, set transponder 7600, proceed according to FPL to OZZET and hold 4 minutes not above 4500 ft, then continue the RNP RWY 26 approach. Descending shall be executed in accordance with vertical restrictions specified on chart.

**LRBV AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY**

1	ABN / IBN location, characteristics and hours of operation	NIL
2	LDI location and LGT Anemometer location and LGT	NIL
3	TWY edge and centre line lighting	TWY edge: blue, omni-directional, LIL. TWY centre line: green, bi-directional, LIH.
4	Secondary power supply/switch-over time	Secondary power supply to all lighting on the AD, switch-over time below 1 sec.
5	Remarks	Apron floodlighting, obstacle lighting.

**LRBV AD 2.16 HELICOPTER LANDING AREA**

1	Coordinates TLOF or THR of FATO	NIL
2	TLOF and/or FATO elevation M/FT	NIL
3	TLOF and FATO area dimensions, surface, strength, marking	NIL
4	True and MAG BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

**LRBV AD 2.17 ATS AIRSPACE**

1	Designation and lateral limits	BRAȘOV CTR (CTR1+CTR2+CTR3) CTR 1 460129N 0254357E - 455156N 0260636E - 452648N 0254246E - 453151N 0253235E - 452737N 0252226E - 452913N 0251905E - 453100N 0252240E - 453500N 0251630E - 453500N 0251407E - 453801N 0251150E - 460129N 0254357E CTR 2 453151N 0253235E - 452648N 0254246E - 452036N 0253658E - 452737N 0252226E - 453151N 0253235E CTR 3 453500N 0251407E - 453500N 0251630E - 453100N 0252240E - 452913N 0251905E - 452940N 0251809E - 453500N 0251407E
2	Vertical limits	CTR 1 - GND to FL105 CTR 2 - 6500 FT AMSL to FL105 CTR 3 - 6500 FT AMSL to FL105
3	Airspace classification	C
4	ATS unit call sign Language(s)	Brașov Tower English, Romanian
5	Transition altitude	7000 FT AMSL
6	Hours of applicability	As ATS
7	Remarks	Airspace classification outside hours of operation of ATS is uncontrolled class G.

**LRBV AD 2.18 ATS COMMUNICATION FACILITIES**

Service designation	Call sign	Channel/ Frequency	SATVOICE	Logon address	Hours of operation	Remarks
1	2	3	4	5	6	7
TWR/APP	Brașov Tower	118.630 120.135 ALTN  121.500 MHz EMERG	NIL	NIL	As ATS	Emergency frequency for all services
<b>ATIS</b>	<b>Brașov ATIS</b>	<b>124.530</b>	<b>NIL</b>	<b>NIL</b>	<b>As ATS</b>	<b>NIL</b>



**LRBV AD 2.19 RADIO NAVIGATION AND LANDING AIDS**

Type of aid, MAG VAR Type of supported OPS ILS classification GBAS classification (For VOR/ILS/MLS give declination)	ID	Frequency/ Channel	Hours of operation	Position of transmitting antenna coordinates	ELEV of DME transmitting antenna/ ELEV of GBAS reference point	Service volume radius from the GBAS reference point	Remarks
1	2	3	4	5	6	7	8
DVOR (6°E/2022)	VBV	114.950 MHz	H24	454226.2N 0253117.5E	-	NIL	Coverage 40 NM (declared)
DME	VBV	CH 96Y	H24	454226.4N 0253117.0E	1800 FT	NIL	Coverage 40 NM (declared)
LOC 21 (6°E/2022) ILS CAT I (III.E.4)	IBV	110.100 MHz	H24	454138.2N 0253038.2E	-	NIL	Front course angle 3.94° No back course
GP 21	-	334.400 MHz	H24	454254.0N 0253150.8E	-	NIL	GP angle 3.0° ILS RDH 54 FT
DME 21	IBV	CH 38X	H24	454254.2N 0253150.6E	1800 FT	NIL	NIL
GPS NPA	-	1575.420 MHz	H24	-	-	NIL	Transmitting antennas are satellite based. Maintained by the U.S. Department of Defense.
EGNOS LPV	-	1575.420 MHz	H24	-	-	NIL	Transmitting antennas are satellite based. Maintained by the European Satellite Services Provider – ESSP.

**LRBV AD 2.20 LOCAL AERODROME REGULATIONS**

**1. Airport regulations / Reglementări aeroport**

1.1 Taxiing to and from stands

- a. Taxiing to and from stands shall be in accordance with the standard routes published in LRBV AD 2.20 Local Aerodrome Regulations.
- b. FOLLOW ME vehicle assistance, may be requested by the pilot via TWR
- c. Entry to the stand for aircraft will be made with guidance by the ground dispatcher;
- d. Upon arrival, helicopters will land on the runway and run on the ground / air according to standard runways. From the entrance on TWY A, the commander of the aircraft follows the markings to the point where he sees the ground dispatcher, following his signals until stop. The helicopters, for departure, taxi on the ground/air, following the marking, from the parking position to the runway.
- f. If the pilot operating on TWY A, does not have the ground dispatcher in sight, near the parking position communicated by TWR, he stops the aircraft and requests ATC, his presence.
- g. Starting of the engines will be performed at the signals of the ground dispatcher only.

1.1 Rulajul la și de la standuri

- a. Rulajul la și de la standuri se efectuează conform rutelor standard publicate la LRBV AD 2.20 Local Aerodrome Regulations.
- b. Asistența vehiculului „FOLLOW ME” poate fi solicitată de pilot prin TWR.
- c. Intrarea la stand pentru aeronave se va face cu dirijare de către dispecerul de sol;
- d. Pentru sosire, elicopterele vor ateriza pe pistă și vor rula la sol/aerian conform rutelor standard de rulare. De la intrarea pe TWY A comandantul aeronavei urmează marcajele până la punctul în care are la vedere dispecerul de sol, urmând semnalele acestuia până la oprire. Elicopterele, pentru plecare, rulează la sol/aerian, urmând marcajul, de la poziția de parcare până la pistă.
- f. În cazul în care pilotul unei aeronave aflată în rulaj pe TWY A, nu are la vedere dispecerul de sol, în dreptul poziției de parcare comunicate de TWR, oprește aeronava și solicită ATC, prezența acestuia.
- g. Pornirea motoarelor se va executa la semnalele dispecerului de sol.

AERODROME CHART - ICAO

45° 42' 22" N  
025° 31' 24" E  
ELEV 1764 FT

BRASOV TWR 118.630  
BRASOV TWR ALTN 120.135  
BRASOV ATIS 124.530

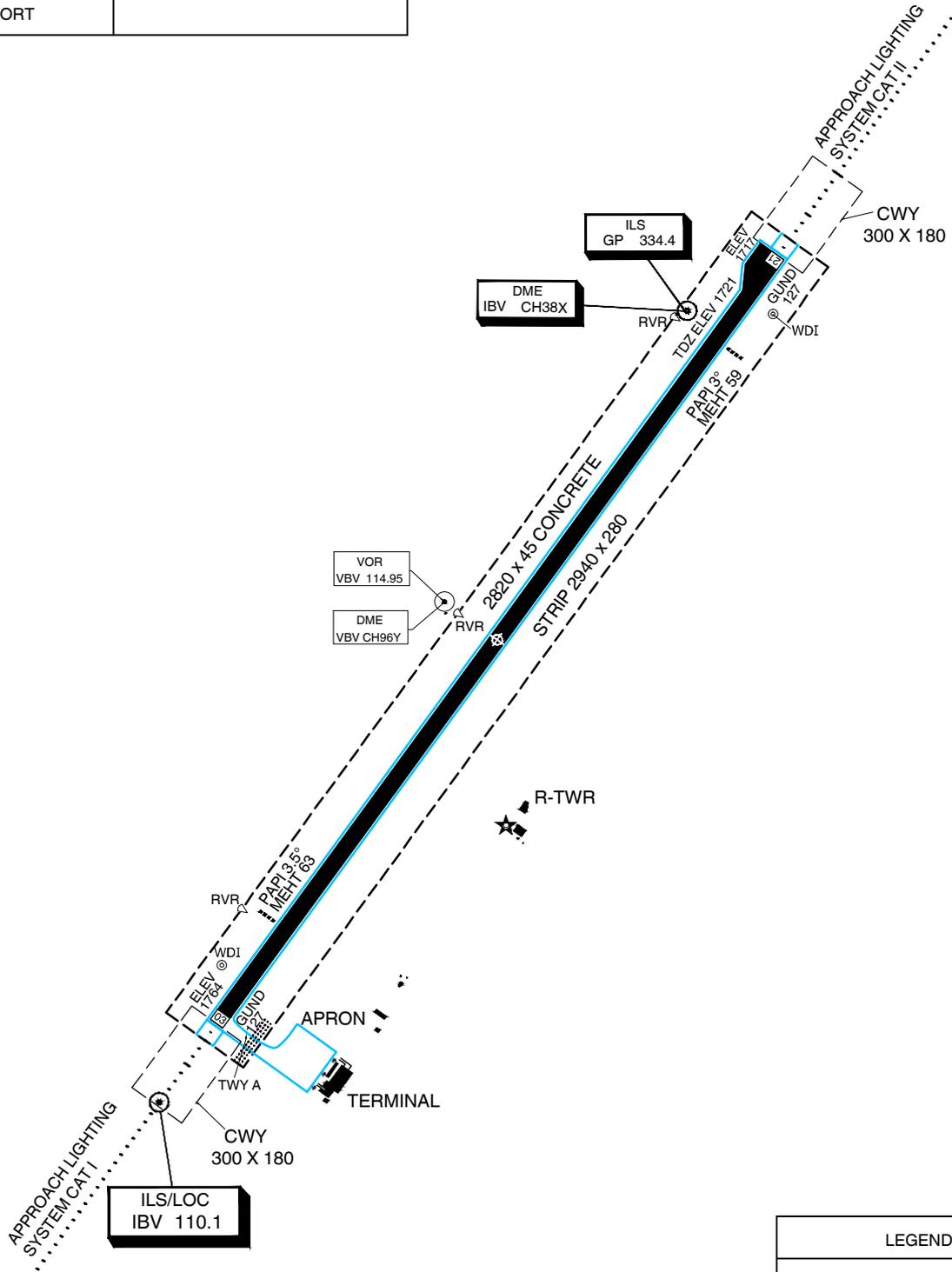
BRAȘOV / Brașov - Ghimbav  
(LRBV)

RWY	DIRECTION	THR	BEARING STRENGTH
03	030°	45°41'46"N 025°30'46"E	PCN 85/R/D/W/T
21	210°	45°42'59"N 025°32'03"E	
HELIPORT			

ELEVATIONS IN FEET  
DIMENSIONS IN METRES  
BEARINGS ARE MAGNETIC

↑  
VAR 6°E 2022  
ANNUAL RATE  
OF CHANGE 7.2°E

Changes: ATIS channel added.



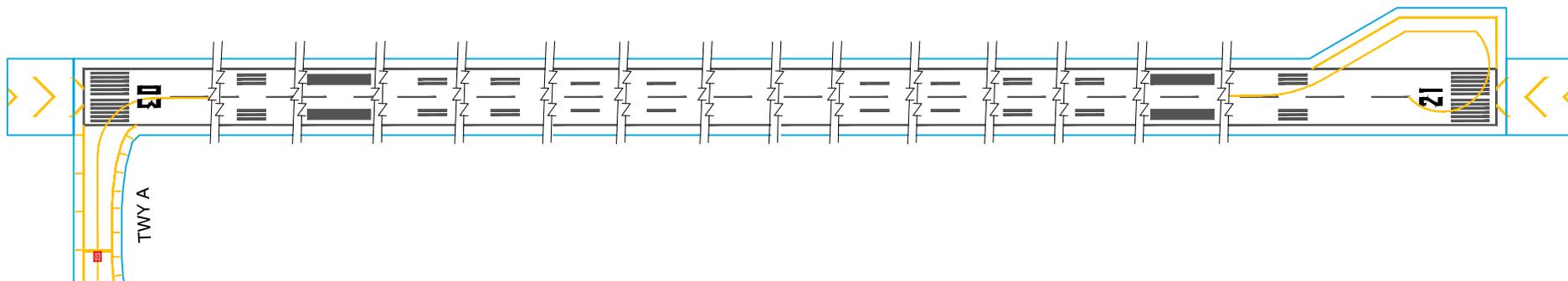
LEGEND	
RVR OBSERVATION SITE	◁
ATC SERVICE BOUNDARY	▤▤▤▤▤▤▤▤▤▤
APRON FLOODLIGHT	☼
WIND DIRECTION INDICATOR	⊙
AERODROME REFERENCE POINT	⊕
BUILDING	■

45° 42' 22" N  
025° 31' 24" E  
ELEV 1764 FT

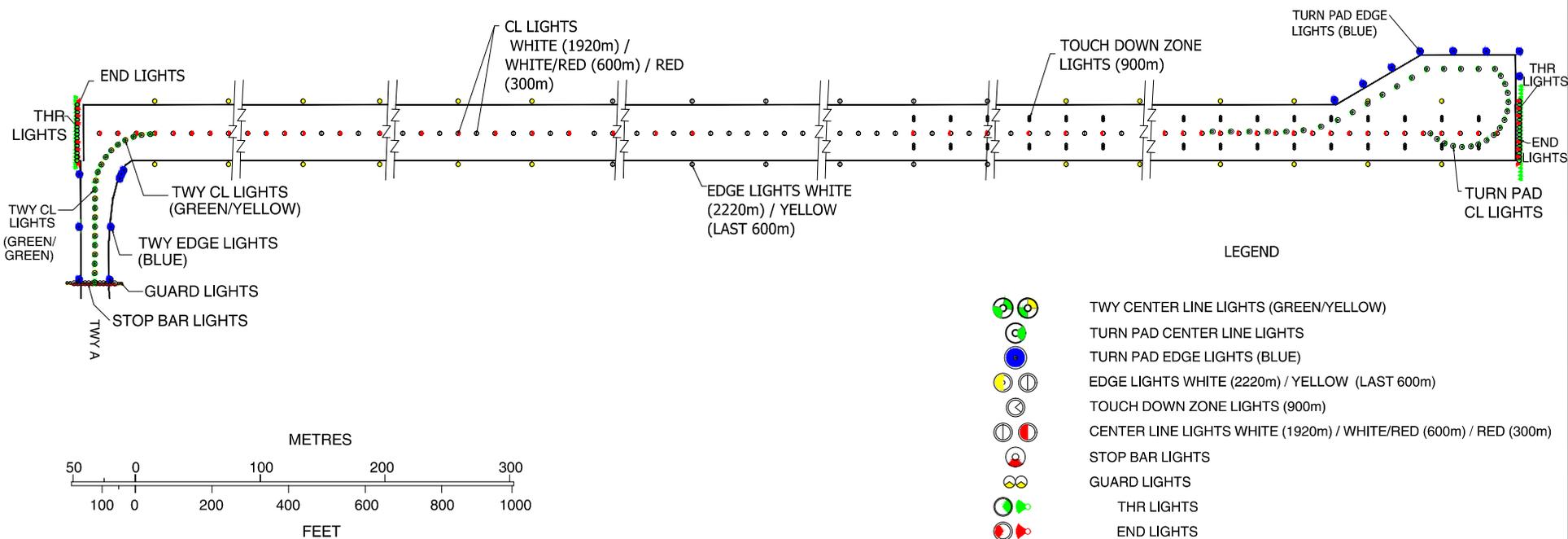
BRASOV TWR 118.630  
BRASOV TWR ALTN 120.135  
BRASOV ATIS 124.530

BRĂȘOV / Brașov - Ghimbav  
(LRBV)

MARKING AIDS RWY 03 / 21 AND EXIT TWY



LIGHTING AIDS RWY 03 / 21 AND EXIT TWY



Changes: ATIS channel added.

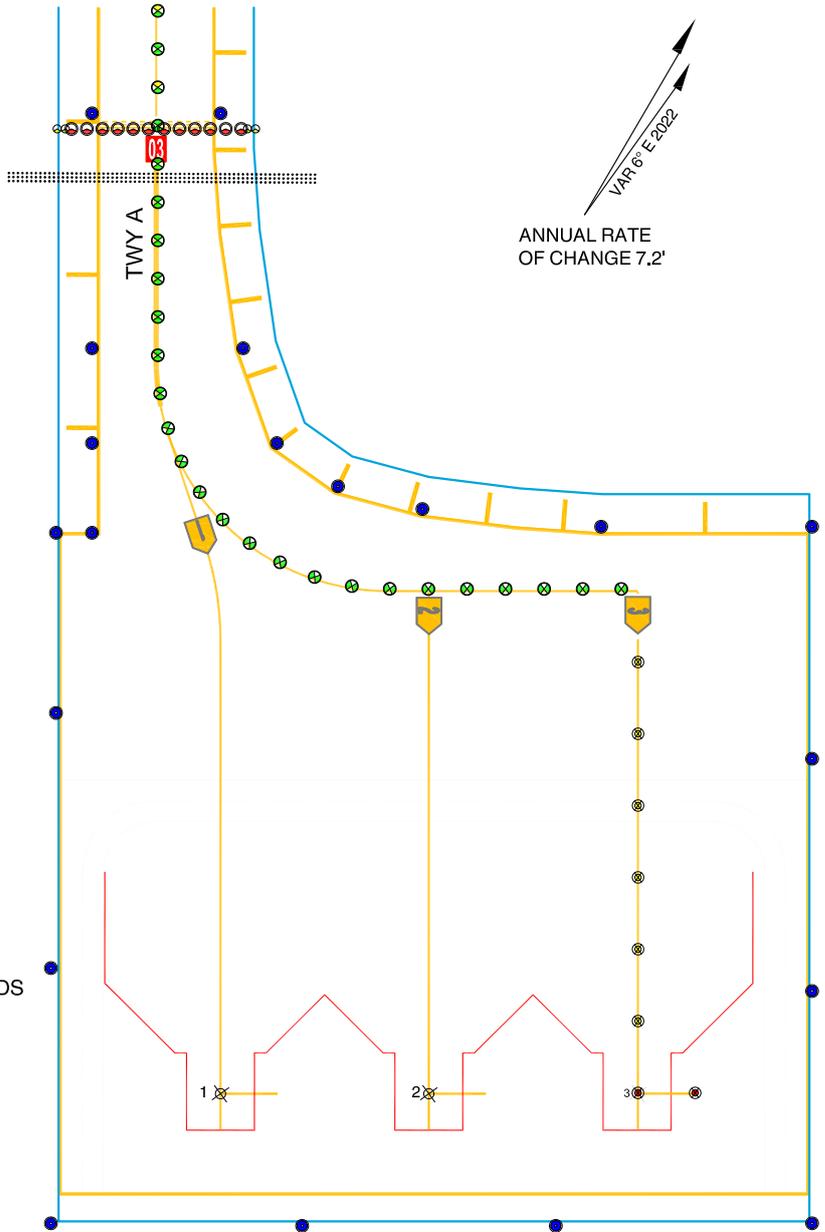
**AIRCRAFT PARKING/  
DOCKING CHART - ICAO**

APRON ELEV  
1760 FT

BRASOV TWR	118.630
BRASOV TWR ALTN	120.135
BRASOV ATIS	124.530

**BRAȘOV / Brașov - Ghimbav  
(LRBV)**

ELEVATIONS IN FEET  
DIMENSIONS IN METERS  
BEARINGS ARE MAGNETIC



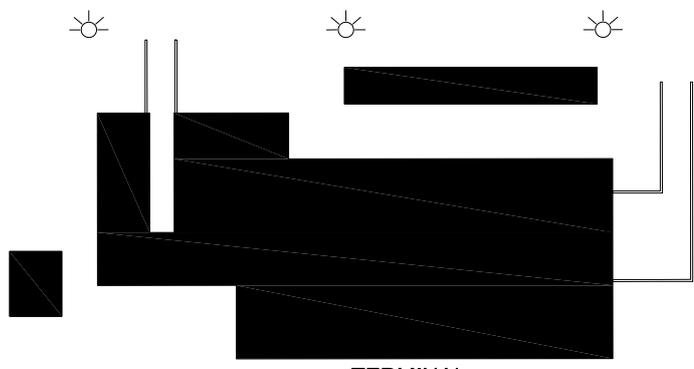
INS COORDINATES FOR AIRCRAFT STANDS  
 INS1 45°41'40.35"N 025°30'58.29"E  
 INS2 45°41'41.41"N 025°30'59.39"E  
 INS3 45°41'42.47"N 025°31'00.50"E

TWY A: 23 M WIDE  
 BEARING STRENGTH FOR STANDS 104/R/C/W/T  
 BEARING STRENGTH FOR TWY A 124/R/C/W/T

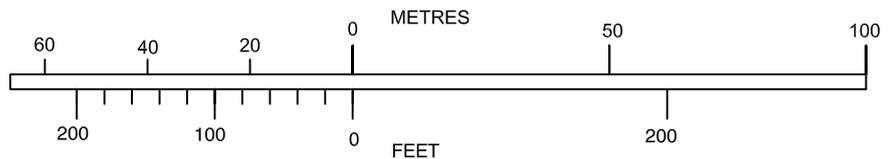
Exit with push-back and marshaller assistance.

**LEGEND:**

TAXI GUIDANCE LINE	
INS CHECK POINTS	
TO AIRCRAFT STAND	
FLOODLIGHT	
BUILDING	
MOVEMENT SURFACE BOUNDARY	
ATC SERVICE BOUNDARY	
TAXI HOLDING POSITION	
ENHANCED TAXIWAY CENTRE LINE	
MARKING SAFETY ZONE MARKING	
RUNWAY HOLDING POSITION LIGHT	
TAXIWAY CENTER LINE LIGHT	
TAXIWAY EDGE LIGHT	
GUARD LIGHT	
AIRCRAFT STAND MANOEUVRING GUIDANCE LIGHT	



Stand no.	Aircraft	Maximum Aircraft Type
1 - 3	Aircraft with wingspan = 36m (Code letter C)	A 321 / B 737



Changes: ATIS channel added.

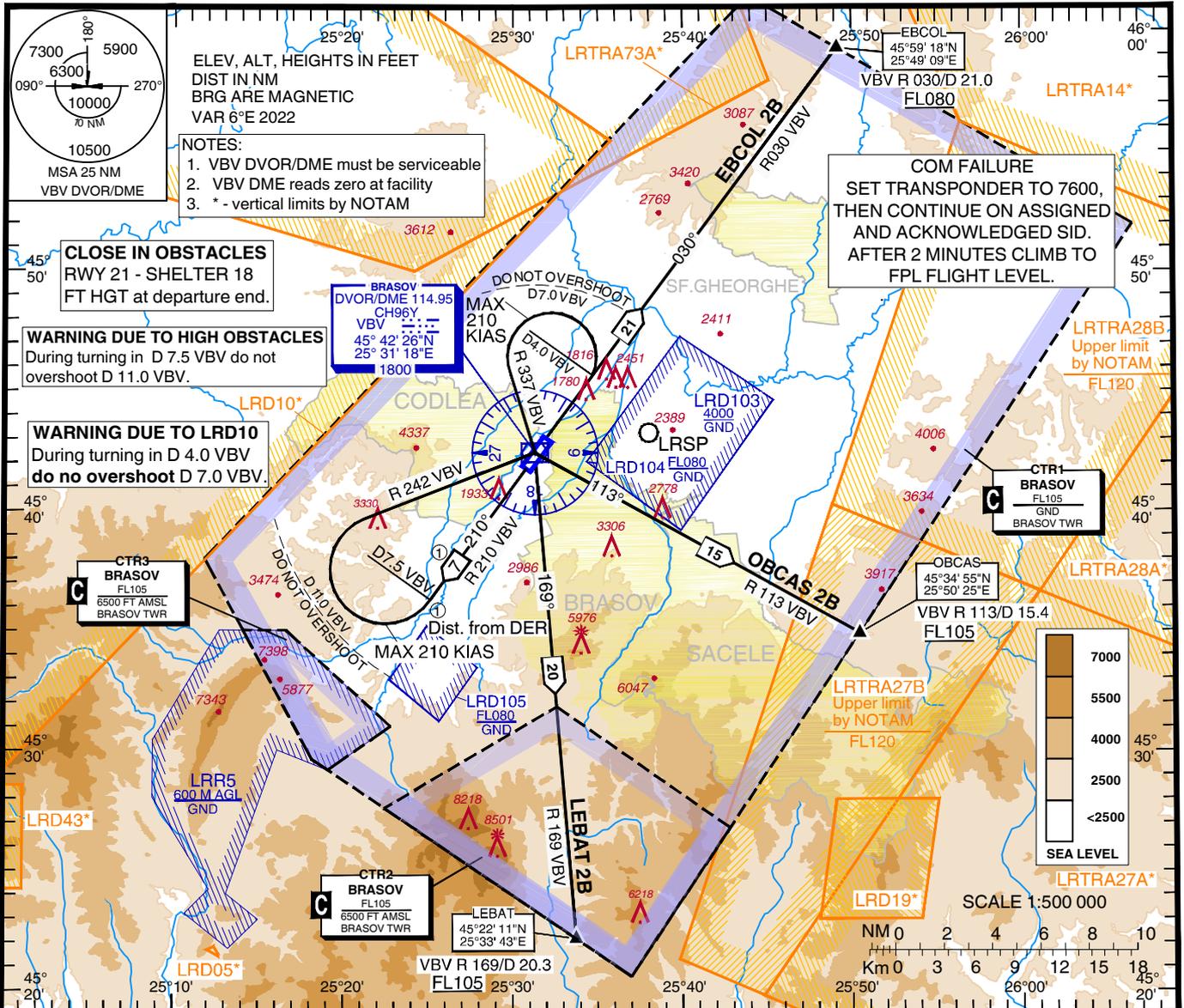
STANDARD DEPARTURE CHART -  
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE  
7000 FT

BRASOV TWR 118.630  
BRASOV TWR ALTN 120.135  
BRASOV ATIS 124.530

BRASOV/Braşov - Ghimbav (LRBV)

RWY 21  
EBCOL 2B, OBCAS 2B,  
LEBAT 2B



DESIGNATOR	DEPARTURE ROUTE AND LEVEL INSTRUCTIONS/REMARKS
EBCOL 2B	Climb on R 210 VBV to 7.5 VBV. Turn <b>RIGHT</b> to intercept R242 VBV to VBV DVOR/DME, continue on R 030 VBV to EBCOL. Cross EBCOL at or above FL080. PDG 5.5% until 6300 FT due to obstacles. Turns limited to MAX 210 KIAS. If unable to comply contact ATC before departure.
OBCAS 2B	Climb on R 210 VBV to 7.5 VBV. Turn <b>RIGHT</b> to intercept R 242 VBV to VBV DVOR/DME, continue on R 113 VBV to OBCAS. Cross OBCAS at or above FL105. PDG min 5.5% until 6300 FT due to obstacles. Turns limited to MAX 210 KIAS. Contact ATC if unable to comply.
LEBAT 2B	Climb on R 210 VBV to 7.5 VBV. Turn <b>RIGHT</b> to intercept R242 VBV to VBV DVOR/DME, continue on R 030 VBV. At D 4.0 VBV turn <b>LEFT</b> to VBV DVOR/DME intercepting R 337 VBV to VBV DVOR/DME, continue on R169 VBV to LEBAT. Cross LEBAT at or above FL105. PDG min 5.5% until FL105 due to obstacles. Turns limited to MAX 210 KIAS. If unable to comply contact ATC before departure .



**BRAȘOV / Brașov - Ghimbav (LRBV)**  
**SID RWY 21**

**AERONAUTICAL DATA TABULATION**

<b>SID RWY 21</b>	
<b>Waypoint Identifier</b>	<b>Coordinates</b>
<b>DER 21</b>	45°41'41.66" N 025°30'30.47" E
<b>EBCOL (R 030/ D 21.0 VBV)</b>	45°59'18.0" N 025°49'09.4" E
<b>OBCAS (R 113/ D 15.4 VBV)</b>	45°34'55.2" N 025°50'25.2" E
<b>LEBAT (R 169/ D 20.3 VBV)</b>	45°22'10.8" N 025°33'42.6" E
<b>VBV DVOR/DME</b>	45°42'26.2" N 025°31'17.5" E

<b>Leg</b>	<b>Distance [NM]</b>	<b>True Track [°]</b>	<b>Magnetic Track [°]</b>
<b>EBCOL 2B</b>			
DER21 – D 7.5 VBV	6.58	216.18	209.81 FROM DVORDME VBV
D 7.5 VBV – VBV DVOR/DME	15.37	-	-
VBV DVOR/DME – EBCOL	20.98	036.62	030.25 FROM DVORDME VBV
<b>OBCAS 2B</b>			
DER21 – D 7.5 VBV	6.58	216.18	209.81 FROM DVORDME VBV
D 7.5 VBV – VBV DVOR/DME	15.37	-	-
VBV DVOR/DME – OBCAS	15.38	119.37	113.00 FROM DVORDME VBV
<b>LEBAT 2B</b>			
DER21 – D 7.5 VBV	6.58	216.18	209.81 FROM DVORDME VBV
D 7.5 VBV – VBV DVOR/DME	15.37	-	-
VBV DVOR/DME – D 4.0 VBV	4.0	036.39	030.02 FROM DVORDME VBV
D 4.0 VBV – VBV DVOR/DME	12.15	-	-
VBV DVOR/DME – LEBAT	20.33	175.21	168.84 FROM DVORDME VBV

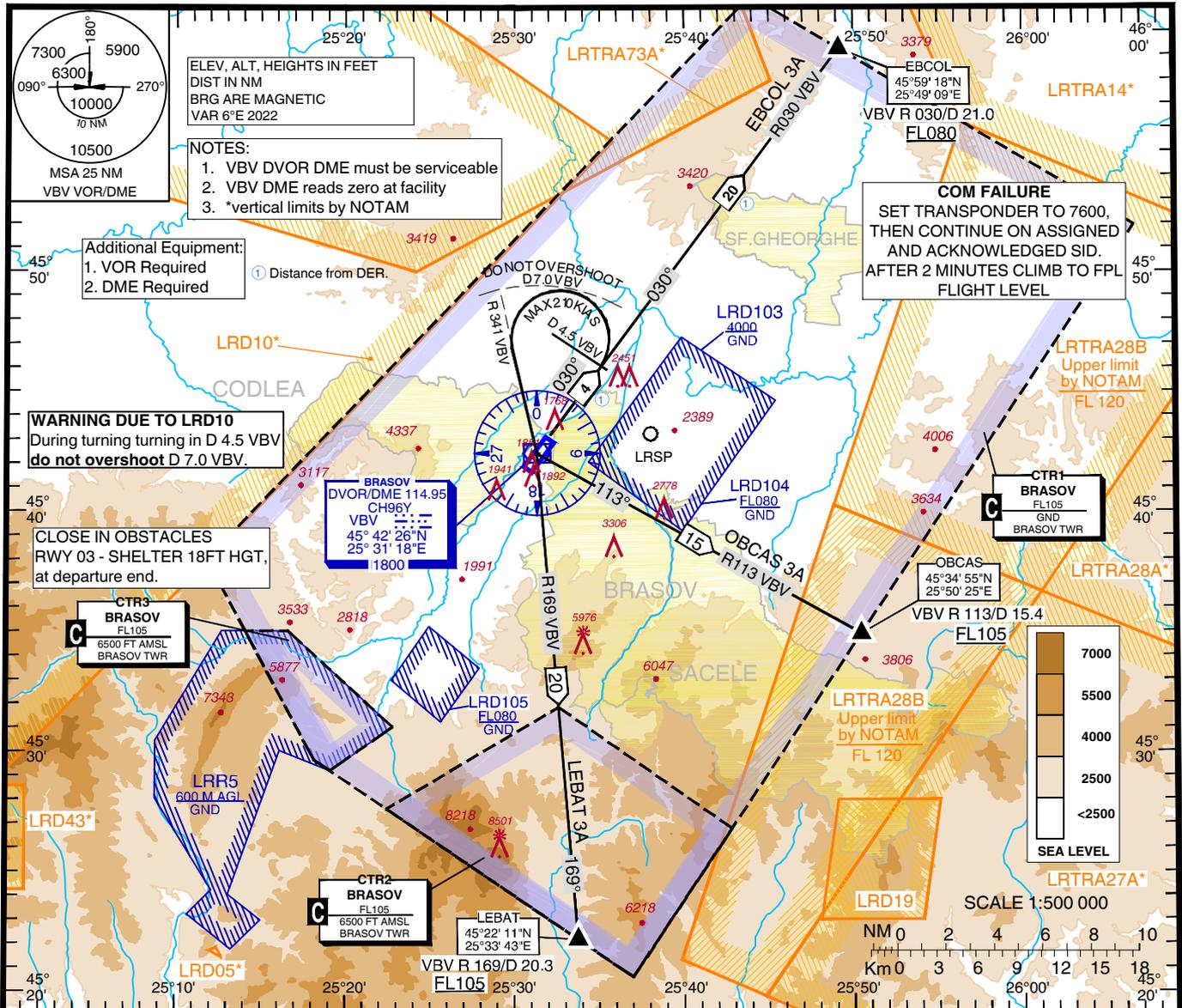
TRANSITION ALTITUDE 7000

BRAȘOV/Brașov - Ghimbav (LRBV)

STANDARD DEPARTURE CHART  
INSTRUMENT (SID) - ICAO

BRASOV TWR 118.630  
BRASOV TWR ALTN 120.135  
BRASOV ATIS 124.530

RWY 03  
EBCOL 3A, OBCAS 3A,  
LEBAT 3A



DESIGNATOR DEPARTURE ROUTE	DEPARTURE ROUTE AND LEVEL INSTRUCTIONS / REMARKS
EBCOL 3A	Climb on R 030 to EBCOL. Cross EBCOL at or above FL080. PDG min 5.2% due to airspace structure. If unable to comply contact ATC before departure.
OBCAS 3A	Climb on R 030 to D 4.5 VBV. Turn LEFT to intercept R 341 VBV to VBV DVOR/DME, continue on R 113 VBV to OBCAS. Cross OBCAS at or above FL105. PDG min 6.4% due to airspace structure. Turns limited to MAX 210 KIAS. If unable to comply contact ATC before departure.
LEBAT 3A	Climb on R 030 to D 4.5 VBV. Turn LEFT to intercept R 341 VBV DVOR/DME, continue on R 169 VBV to LEBAT. Cross LEBAT at or above FL105. PDG min 6.0% until FL105 due to obstacles. Turns limited to MAX 210 KIAS. If unable to comply contact ATC before departure.



**BRAȘOV / Brasov – Ghimbav (LRBV)**  
**SID 3A RWY 03**

**AERONAUTICAL DATA TABULATION**

**WAYPOINT LIST**

<b>SID 3A RWY 03</b>	
<b>Waypoint Identifier</b>	<b>Coordinates</b>
<b>DER 03</b>	45°43'10.81" N 025°32'04.26" E
<b>EBCOL (R 030 / D 21.0 VBV)</b>	45°59'18.0" N 025°49'09.4" E
<b>OBCAS (R 113 / D 15.4 VBV)</b>	45°34'55.2" N 025°50'25.2" E
<b>LEBAT (R 169 / D 20.3 VBV)</b>	45°22'10.8" N 025°33'42.6" E
<b>VBV DVOR/DME</b>	45°42'26.2" N 025°31'17.5" E

**LRBV DEPARTURE SEQUENCE SID 3A RWY 03**

<b>Leg</b>	<b>Distance [NM]</b>	<b>True Track [°]</b>	<b>Magnetic Track [°]</b>
<b>EBCOL 3A</b>			
DER03 – EBCOL	20.06	036.62	030.25 FROM DVORDME VBV
<b>OBCAS 3A</b>			
DER03 – D 4.5 VBV	3.6	036.31	029.94 FROM DVORDME VBV
D 4.5 VBV – VBVDVOR/DME	12.69	344.11	337.74 FROM DVORDME VBV
VBV DVOR/DME – OBCAS	15.38	119.37	113.00 FROM DVORDME VBV
<b>LEBAT 3A</b>			
DER03 – D 4.5 VBV	3.6	036.31	029.94 FROM DVORDME VBV
D 4.5 VBV – VBV DVOR/DME	12.69	344.11	337.74 FROM DVORDME VBV
VBV DVOR/DME - LEBAT	20.33	175.22	168.85 FROM DVORDME VBV

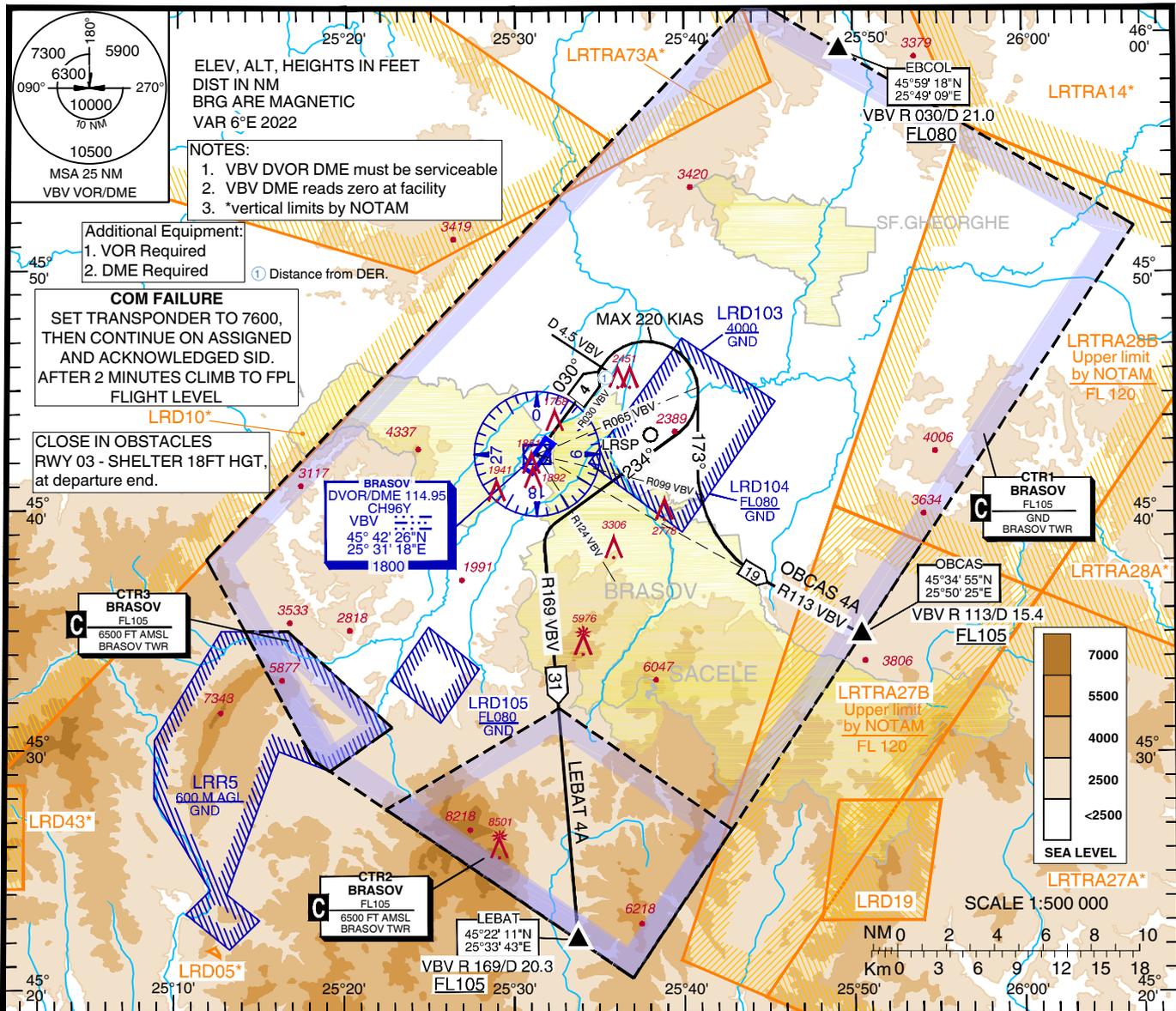
TRANSITION ALTITUDE 7000

BRAȘOV/Brașov - Ghimbav (LRBV)

**STANDARD DEPARTURE CHART  
INSTRUMENT (SID) - ICAO**

BRASOV TWR 118.630  
BRASOV TWR ALTN 120.135  
BRASOV ATIS 124.530

**RWY 03**  
OBCAS 4A, LEBAT 4A



Changes: ATIS channel added.

DESIGNATOR DEPARTURE ROUTE	DEPARTURE ROUTE AND LEVEL INSTRUCTIONS / REMARKS
OBCAS 4A	Climb on R 030 to D 4.5 VBV. Turn RIGHT on track 173° to intercept R 113 VBV to OBCAS. Cross OBCAS at or above FL105. PDG min 8.3% due to airspace structure. Turns limited to MAX 220 KIAS. Contact ATC if unable to comply.
LEBAT 4A	Climb on R 030 to D 4.5 VBV. Turn RIGHT on track 234° to intercept R 169 VBV to LEBAT. Cross LEBAT at or above FL105. PDG min 6.6% until FL105 due to obstacles. Turns limited to MAX 220 KIAS. Contact ATC if unable to comply.



**BRAȘOV / Brașov - Ghimbav (LRBV)**  
**SID 4A RWY 03**

**AERONAUTICAL DATA TABULATION**

**WAYPOINT LIST**

<b>SID 4A RWY 03</b>	
<b>Waypoint Identifier</b>	<b>Coordinates</b>
<b>DER 03</b>	45°43'10.81" N 025°32'04.26" E
<b>EBCOL (R 030 / D 21.0 VBV)</b>	45°59'18.0" N 025°49'09.4" E
<b>OBCAS (R 113 / D 15.4 VBV)</b>	45°34'55.2" N 025°50'25.2" E
<b>LEBAT (R 169 / D 20.3 VBV)</b>	45°22'10.8" N 025°33'42.6" E
<b>VBV DVOR/DME</b>	45°42'26.2" N 025°31'17.5" E

**LRBV DEPARTURE SEQUENCE SID 4A RWY 03**

<b>Leg</b>	<b>Distance [NM]</b>	<b>True Track [°]</b>	<b>Magnetic Track [°]</b>
<b>OBCAS 4A</b>			
DER03 – D 4.5 VBV	3.6	036.31	029.94 FROM DVORDME VBV
D 4.5 VBV – OBCAS	19.13	119.37	113.00 FROM DVORDME VBV
<b>LEBAT 4A</b>			
DER03 – D 4.5 VBV	3.6	036.31	029.94 FROM DVORDME VBV
D 4.5 VBV – LEBAT	31.43	175.22	168.85 FROM DVORDME VBV

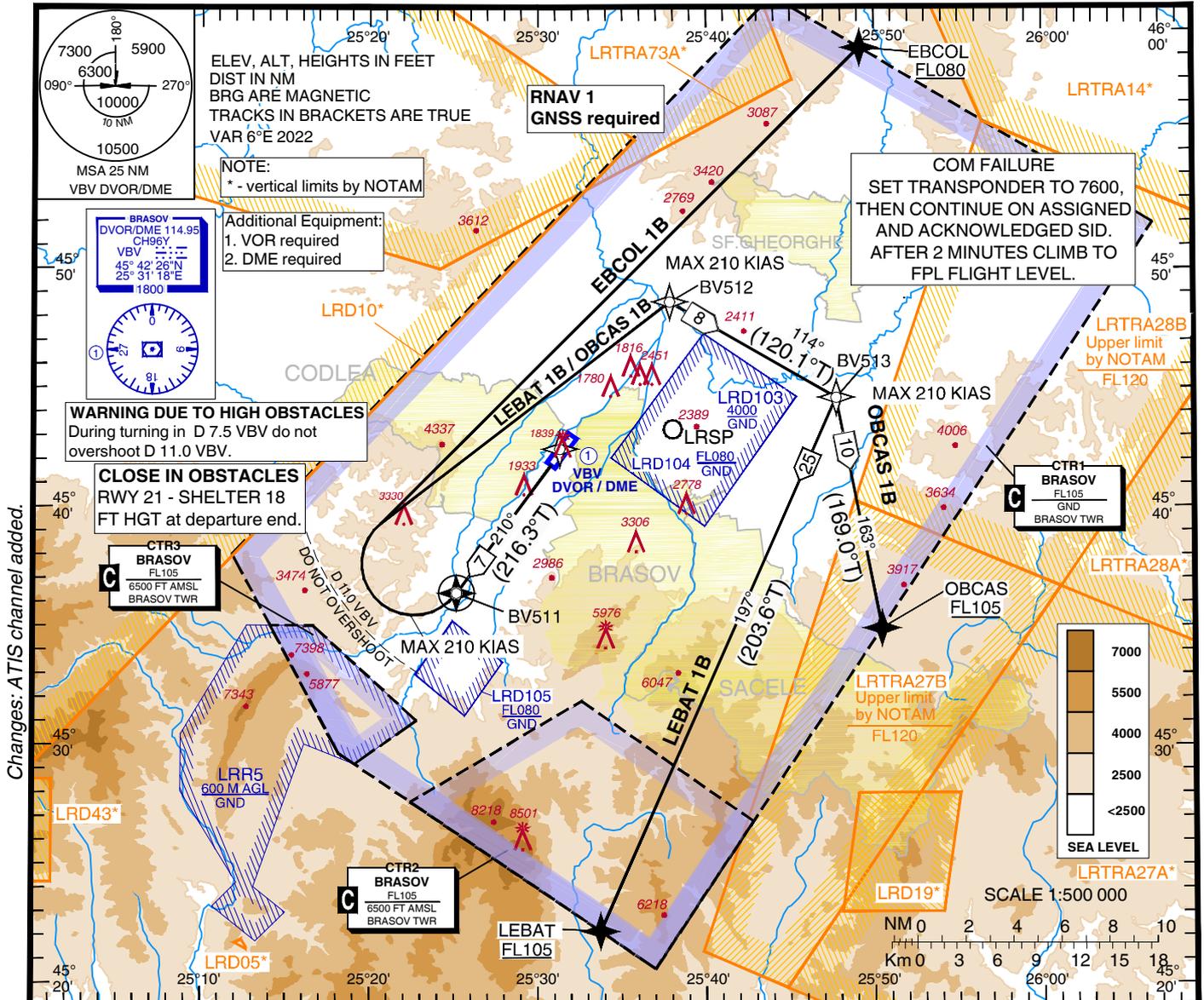
**RNAV  
STANDARD DEPARTURE CHART -  
INSTRUMENT (SID) - ICAO**

TRANSITION ALTITUDE  
7000 FT

**BRAȘOV/Brașov - Ghimbav (LRBV)**

BRASOV TWR 118.630  
BRASOV TWR ALTN 120.135  
BRASOV ATIS 124.530

**RWY 21  
EBCOL 1B, OBCAS 1B,  
LEBAT 1B**



DESIGNATOR	DEPARTURE ROUTE AND LEVEL INSTRUCTIONS/REMARKS
<b>EBCOL 1B</b>	Climb on runway track to <b>BV511</b> , turn <b>RIGHT</b> direct to <b>EBCOL</b> . Cross <b>EBCOL</b> at or above <b>FL080</b> . PDG min 5.7% until 6000 FT due to obstacles. Turn limited to MAX 210 KIAS. If unable to comply contact ATC before departure.
<b>OBCAS 1B</b>	Climb on runway track to <b>BV511</b> , turn <b>RIGHT</b> direct to <b>BV512</b> . Continue on track 114° to <b>BV513</b> , then turn <b>RIGHT</b> on track 163° to <b>OBCAS</b> . Cross <b>OBCAS</b> at or above <b>FL105</b> . PDG min 5.7% until 6000 FT due to obstacles. Turn limited to MAX 210 KIAS. If unable to comply contact ATC before departure.
<b>LEBAT 1B</b>	Climb on runway track to <b>BV511</b> , turn <b>RIGHT</b> direct to <b>BV512</b> . Continue on track 114° to <b>BV513</b> , then turn <b>RIGHT</b> on track 197° to <b>LEBAT</b> . Cross <b>LEBAT</b> at or above <b>FL105</b> . PDG min 5.7% until 6000 FT due to obstacles. Turn limited to MAX 210 KIAS. If unable to comply contact ATC before departure.



**BRAȘOV / Brașov - Ghimbav (LRBV)**  
**RNAV SID RWY 21**

**AERONAUTICAL DATA TABULATION**

RNAV SID RWY 21		
<i>Waypoint Identifier</i>	<i>Coordinates</i>	
<b>DER</b>	45°41'37.8" N	025°30'37.9" E
<b>BV511</b>	45°36'23.3" N	025°25'09.1" E
<b>BV512</b>	45°48'36.6" N	025°37'50.1" E
<b>BV513</b>	45°44'36.2" N	025°47'43.8" E
<b>EBCOL</b>	45°59'18.0" N	025°49'09.4" E
<b>OBCAS</b>	45°34'55.2" N	025°50'25.2" E
<b>LEBAT</b>	45°22'10.8" N	025°33'42.6" E

**TABULAR DESCRIPTION**

RNAV SID RWY 21											
<i>Serial Number</i>	<i>Path Descriptor</i>	<i>Waypoint ID</i>	<i>Flyover</i>	<i>Course °M (°T)</i>	<i>Magnetic Variation</i>	<i>Distance (NM)</i>	<i>Turn Direction</i>	<i>Altitude (ft)</i>	<i>Speed (kts)</i>	<i>VPA/TCH</i>	<i>Navigation Specification</i>
<b>EBCOL 1B</b>											
010	CF	BV511	Y	210 (216.3)	-6.4	6.5	-	-	-210	-	RNAV 1
020	DF	EBCOL	-	-	-6.4	-	R	+FL080	-	-	RNAV 1
<b>OBCAS 1B</b>											
010	CF	BV511	Y	210 (216.3)	-6.4	6.5	-	-	-210	-	RNAV 1
020	DF	BV512	-	-	-6.4	-	R	-	-	-	RNAV 1
030	TF	BV513	-	114 (120.1)	-6.4	8.0	R	-	-	-	RNAV 1
040	TF	OBCAS	-	163 (169.0)	-6.4	9.9	R	+FL105	-	-	RNAV 1
<b>LEBAT 1B</b>											
010	CF	BV511	Y	210 (216.3)	-6.4	6.5	-	-	-210	-	RNAV 1
020	DF	BV512	-	-	-6.4	-	R	-	-	-	RNAV 1
030	TF	BV513	-	114 (120.1)	-6.4	8.0	R	-	-	-	RNAV 1
040	TF	LEBAT	-	197 (203.6)	-6.4	24.5	R	+FL105	-	-	RNAV 1

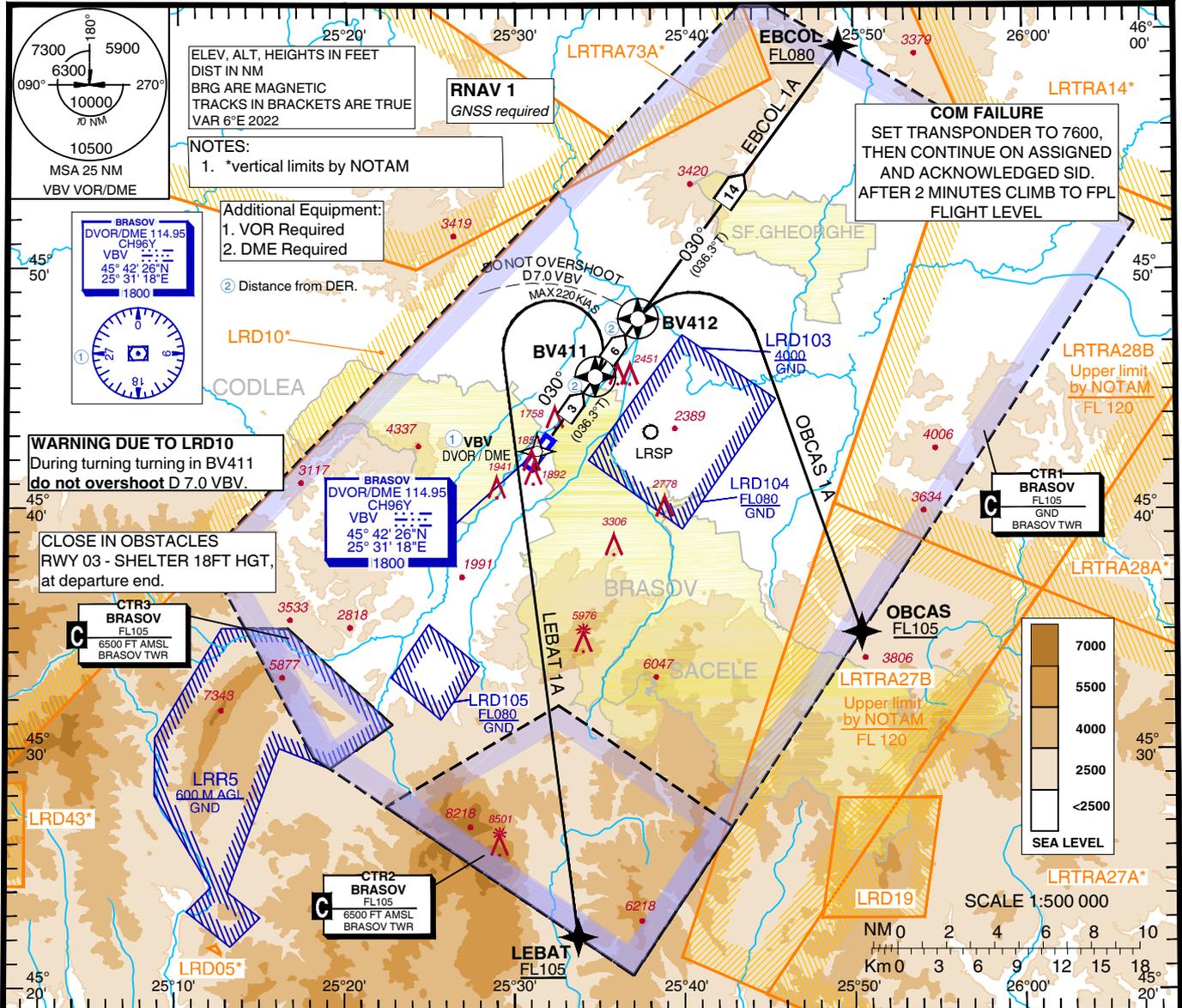
**RNAV  
STANDARD DEPARTURE CHART  
INSTRUMENT (SID) - ICAO**

TRANSITION ALTITUDE 7000

**BRAȘOV/Brașov - Ghimbav (LRBV)**

BRASOV TWR 118.630  
BRASOV TWR ALTN 120.135  
BRASOV ATIS 124.530

**RWY 03**  
EBCOL 1A, OBCAS 1A,  
LEBAT 1A



DESIGNATOR DEPARTURE ROUTE	DEPARTURE ROUTE AND LEVEL INSTRUCTIONS / REMARKS
EBCOL 1A	Climb on runway track to BV412, continue on track 030° to EBCOL. Cross EBCOL at or above FL080. PDG min 5.2% due to airspace structure. If unable to comply contact ATC before departure.
OBCAS 1A	Climb on runway track to BV412, turn RIGHT direct to OBCAS. Cross OBCAS at or above FL105. PDG min 7.4% due to airspace structure. If unable to comply contact ATC before departure.
LEBAT 1A	Climb on runway track to BV411, turn LEFT direct to LEBAT. Cross LEBAT at or above FL105. PDG min 7.2% until FL100 due to obstacles. Turns limited to MAX 220 KIAS. During turning in BV411 do not overshoot D 7.0 VBV. If unable to comply contact ATC before departure.



**BRAȘOV / Brașov - Ghimbav (LRBV)  
SID 1A RWY 03**

**AERONAUTICAL DATA TABULATION**

**WAYPOINT LIST**

RNAV SID 1A RWY 03	
Waypoint Identifier	Coordinates
DER	45°43'07.1" N 025°32'11.4" E
BV411	45°45'32.2" N 025°34'43.6" E
BV412	45°47'57.2" N 025°37'16.0" E
EBCOL	45°59'18.0" N 025°49'09.4" E
OBCAS	45°34'55.2" N 025°50'25.2" E
LEBAT	45°22'10.8" N 025°33'42.6" E

**LRBV RNAV DEPARTURE SEQUENCE SID 1A RWY 03**

Serial Number	Path Descriptor	Waypoint ID	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kts)	VPA/TCH	Navigation Specification
<b>EBCOL 1A</b>											
010	CF	BV412	Y	030 (036.3)	-6.4	6.0	-	-	-	-	RNAV 1
020	TF	EBCOL	-	030 (036.3)	-6.4	14.1	-	+FL080	-	-	RNAV 1
<b>OBCAS 1A</b>											
010	CF	BV412	Y	030 (036.3)	-6.4	6.0	-	-	-	-	RNAV 1
020	DF	OBCAS	-	-	-6.4	-	R	+FL105	-	-	RNAV 1
<b>LEBAT 1A</b>											
010	CF	BV411	Y	030 (036.3)	-6.4	3.0	-	-	-	-	RNAV 1
020	DF	LEBAT	-	-	-6.4	-	L	+FL105	-220	-	RNAV 1





**BRAȘOV / Brașov - Ghimbav (LRBV)  
SID 2A RWY 03**

**AERONAUTICAL DATA TABULATION**

**WAYPOINT LIST**

RNAV SID 2A RWY 03	
Waypoint Identifier	Coordinates
DER	45°43'07.1" N 025°32'11.4" E
BV413	45°53'30.9" N 025°43'07.7" E
BV414	45°39'42.9" N 025°37'51.0" E
EBCOL	45°59'18.0" N 025°49'09.4" E
OBCAS	45°34'55.2" N 025°50'25.2" E
LEBAT	45°22'10.8" N 025°33'42.6" E

**LRBV RNAV DEPARTURE SEQUENCE SID 2A RWY 03**

Serial Number	Path Descriptor	Waypoint ID	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kts)	VPA/TCH	Navigation Specification
<b>EBCOL 2A</b>											
010	CF	BV413	Y	030 (036.4)	-6.4	12.9	-	-	-	-	RNAV 1
020	TF	EBCOL	-	030 (036.1)	-6.4	7.2	-	+FL080	-	-	RNAV 1
<b>OBCAS 2A</b>											
010	CF	BV413	Y	030 (036.4)	-6.4	12.9	-	-	-	-	RNAV 1
020	DF	OBCAS	-	-	-6.4	-	R	+FL105	-220	-	RNAV 1
<b>LEBAT 2A</b>											
010	CF	BV413	Y	030 (036.4)	-6.4	12.9	-	-	-	-	RNAV 1
020	DF	BV414	-	-	-6.4	-	R	-	-220	-	RNAV 1
030	TF	LEBAT	-	183 (189.4)	-6.4	17.8	-	+FL105	-220	-	RNAV 1



**BRAȘOV / Brașov - Ghimbav (LRBV)**  
**ILS RWY 21****AERONAUTICAL DATA TABULATION**

<b>ILS Approach to RWY 21 from EBCOL, OBCAS, LEBAT and VBV DVOR/DME</b>	
<b>Fix/Point</b>	<b>Coordinates</b>
<b>LEBAT</b> – BRG 168.99° VBV / D 20.33 VBV	45°22'10.8" N 025°33'42.6" E
<b>ASECA</b> – BRG 168.99° VBV / D 10.00 VBV	45°32'28.4" N 025°32'29.0" E
<b>OBCAS (IAF)</b> – BRG 113.14° VBV / D 15.38 VBV	45°34'55.2" N 025°50'25.2" E
<b>EBCOL (IAF)</b> – BRG 030.39° VBV / D 20.98 VBV	45°59'18.0" N 025°49'09.4" E
<b>VBV DVOR/DME (IAF)</b>	45°42'26.2" N 025°31'17.5" E
<b>MASTE</b> – BRG 061.26° VBV / D 13.00 VBV	45°47'26.1" N 025°48'26.0" E
<b>IF</b> – BRG 030.50° VBV / D 12.40 IBV / D 13.00 VBV	45°52'50.7" N 025°42'25.6" E
<b>D 9.5 IBV (SDF)</b> – BRG 030.60° VBV / D 9.53 IBV / D 10.13 VBV	45°50'32.1" N 025°39'59.4" E
<b>FAP/FAF (GP INOP)</b> – BRG 030.83° VBV / D 6.43 IBV / D 7.03 VBV	45°48'02.4" N 025°37'21.6" E
<b>SDF (GP INOP)</b> – BRG 032.09° VBV / D 2.16 IBV / D 2.76 VBV	45°44'36.0" N 025°33'44.7" E
<b>THR RWY 21 (MAPt GP INOP)</b>	45°42'59.31" N 025°32'03.23" E
<b>IBV DME</b>	45°42'54.2" N 025°31'50.6" E
<b>GP 21</b>	45°42'54.1" N 025°31'50.9" E
<b>IBV LOC</b>	45°41'38.2" N 025°30'38.2" E

Final approach descent angle: 3.00°

**INSTRUMENT  
APPROACH  
CHART - ICAO**

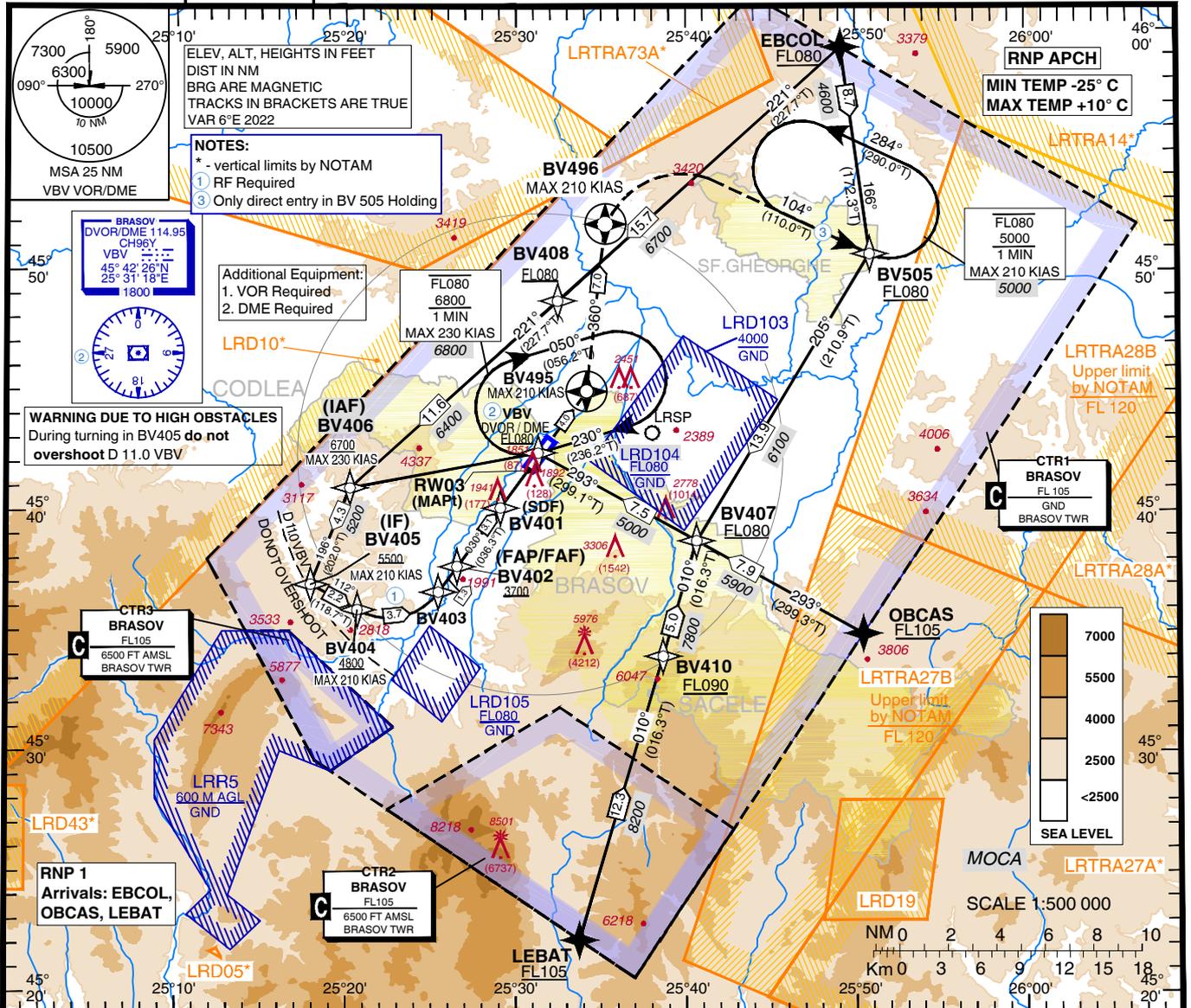
**EGNOS  
CH: 83215  
E03A**

**AERODROME ELEV. 1764 ft**  
HEIGHTS RELATED TO  
THR RWY 03 - ELEV 1764

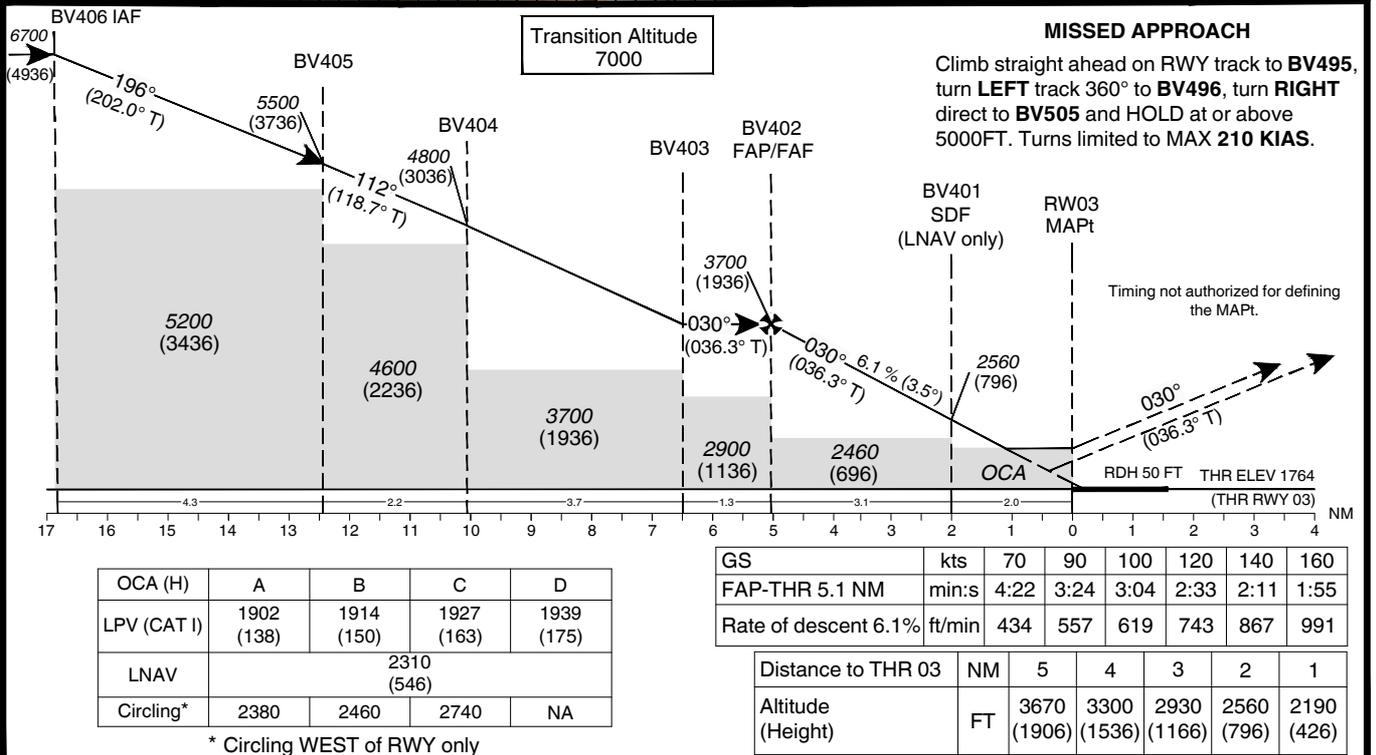
**BRAȘOV/Brașov - Ghimbav (LRBV)**

BRASOV TWR 118.630  
BRASOV TWR ALTN 120.135  
BRASOV ATIS 124.530

**RNP Z RWY 03  
(LPV, LNAV Only)**



Changes: ATIS channel added.



BRAȘOV / Brașov - Ghimbav (LRBV)  
RNP Z RWY 03

## AERONAUTICAL DATA TABULATION

RNP Z RWY 03	
Waypoint Identifier	Coordinates
EBCOL	45°59'18.0" N 025°49'09.4" E
OBCAS	45°34'55.2" N 025°50'25.2" E
LEBAT	45°22'10.8" N 025°33'42.6" E
BV410	45°33'58.7" N 025°38'38.9" E
BV408	45°48'45.2" N 025°32'26.6" E
BV407	45°38'47.1" N 025°40'36.7" E
VBV	45°42'26.2" N 025°31'17.5" E
BV406 (IAF)	45°40'58.6" N 025°20'13.8" E
BV405 (IF)	45°36'58.0" N 025°17'55.4" E
BV404 (SDF)	45°35'54.7" N 025°20'39.9" E
BV403	45°36'39.2" N 025°25'25.6" E
BV402 (FAF)	45°37'40.1" N 025°26'29.2" E
BV401 (SDF / LNAV Only)	45°40'08.9" N 025°29'04.8" E
RW03	45°41'45.67" N 025°30'46.05" E
BV495 (MATF)	45°44'59.1" N 025°34'09.0" E
BV496	45°51'56.5" N 025°35'15.1" E
BV505	45°50'42.0" N 025°50'49.8" E
RF Arc Centre Identifier	Coordinates
BV409	45°38'11.2" N 025°22'26.6" E

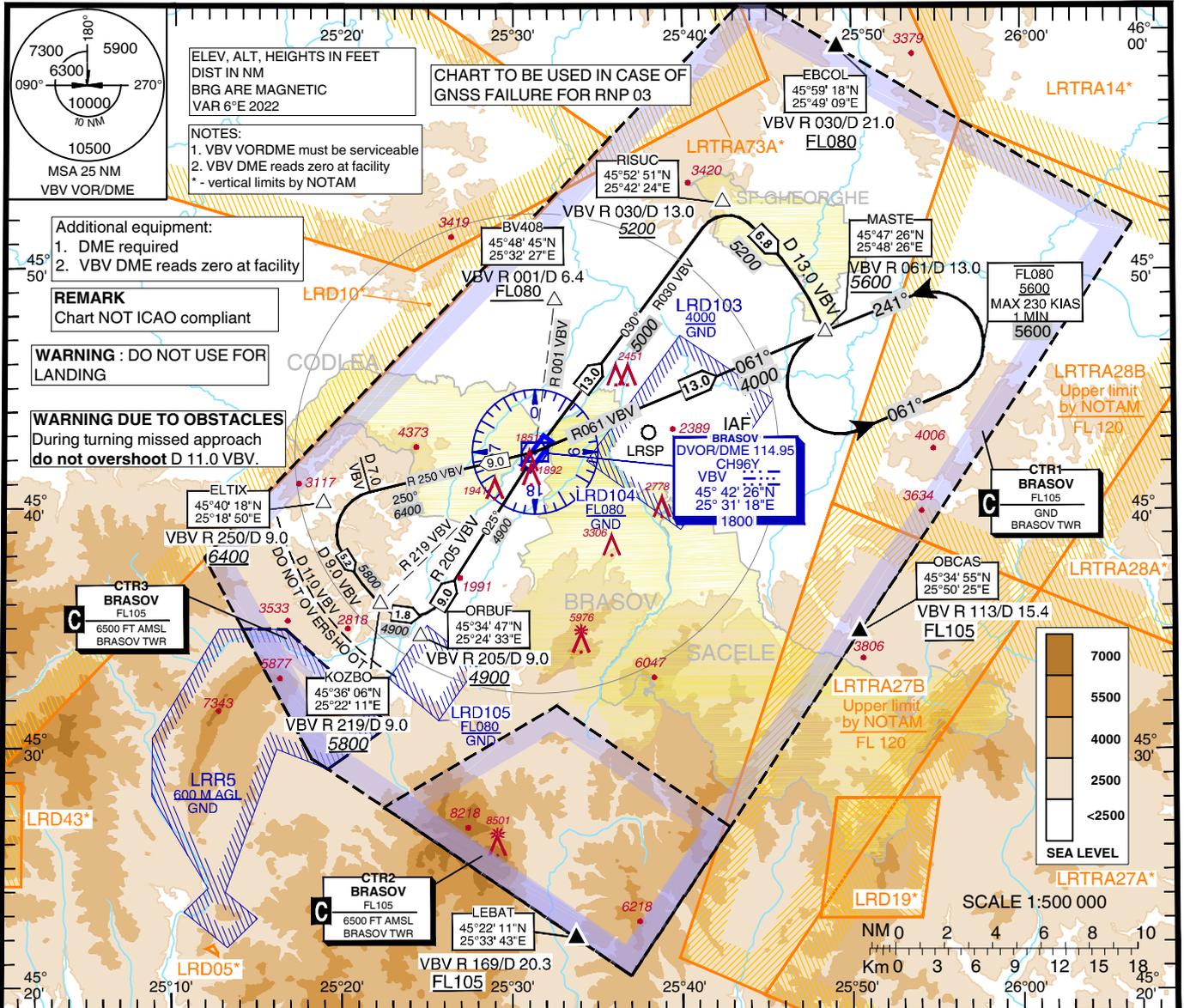
**INSTRUMENT  
APPROACH CHART -  
CONTINGENCY RNP 03**

AERODROME ELEV. 1764 ft

**BRAȘOV/Brașov - Ghimbav (LRBV)**

BRASOV TWR 118.630  
BRASOV TWR ALTN 120.135  
BRASOV ATIS 124.530

CAT A, B, C, D



SIGNAL LOSS		INSTRUCTIONS
after EBCOL	before BV408	Turn <b>LEFT</b> direct to <b>VBV DVOR/DME</b> . At <b>VBV</b> intercept <b>R 250 VBV</b> and follow trajectories to enter hold at <b>MASTE</b> or as instructed by ATC.
	after BV408	Turn <b>LEFT</b> climbing to <b>FL080</b> direct to <b>VBV DVOR/DME</b> and, 1. If below <b>5000ft</b> , follow <b>VBV</b> on <b>R 030 VBV</b> , intercept <b>D 13.0 VBV</b> to <b>MASTE</b> and hold or as instructed by ATC. 2. If above <b>5000ft</b> , follow <b>VBV</b> on <b>R 061 VBV</b> to <b>MASTE</b> and hold or as instructed by ATC.
after OBCAS		Maintain altitude/flight level, proceed to <b>VBV DVOR/DME</b> , ATC instructions will be provided.
after LEBAT		Maintain altitude/flight level, proceed to <b>VBV DVOR/DME</b> , ATC instructions will be provided.



**BRAȘOV / Brașov - Ghimbav (LRBV)**  
**Contingency RNP RWY 03**

**AERONAUTICAL DATA TABULATION**

**WAYPOINT LIST**

<b>Contingency RNP 03 from EBCOL, OBCAS, LEBAT and VBV DVOR/DME</b>	
<b>Fix/Point</b>	<b>Coordinates</b>
<b>LEBAT – R 169 VBV / D 20.33 VBV</b>	45°22'10.8" N 025°33'42.6" E
<b>OBCAS – R 113 VBV / D 15.38 VBV</b>	45°34'55.2" N 025°50'25.2" E
<b>EBCOL – R 030 VBV / D 20.98 VBV</b>	45°59'18.0" N 025°49'09.4" E
<b>MASTE – R 061 VBV / D 13.00 VBV</b>	45°47'26.1" N 025°48'26.0" E
<b>RISUC – R 030 VBV / D 13.00 VBV</b>	45°52'51.4" N 025°42'24.2" E
<b>ORBUF – R 205 VBV / D 9.0 VBV</b>	45°34'46.6" N 025°24'33.2" E
<b>KOZBO – R 219 VBV / D 9.0 VBV</b>	45°36'05.9" N 025°22'10.8" E
<b>ELTIX – R 250 VBV / D 9.0 VBV</b>	45°40'17.8" N 025°18'49.9" E
<b>VBV DVOR/DME</b>	45°42'26.2" N 025°31'17.5" E