romatsa
romanian air traffic services administration
Headquarters
10. Ion Ionescu de la Brad Blvd., PO Box 18-90
013813 Bucharest, Romania
phone: (+4021) 208 31 00
fax: (+4021) 230 24 42
AFTN: LRBBRTYD
e-mail:romatsa.office@romatsa.ro
www.romatsa.ro

Aeronautical Information Management Unit
Tel: +40.21.232.56.99; Fax: +40.21.208.99.16; AFS: LRBBYOYX
Web: www.aisro.ro; E-mail: ais@aisro.ro; ais@romatsa.ro

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AIRAC AIP AMDT
04
16 APR 2026

AIRAC AIP AMENDMENT 04/26

I. **Content**

ENR - list of obstacles from Area 1 updated.

AD - LRBM - new SID RWY 09 available.
- LROP - AD regulations updated;
  - strength of TWY N updated.
- LROD - strength of RWY, APRON 2, TWY E and TWY F updated.
- LRSM - AD obstacles updated;
  - electronic obstacle data sets for Area 2 and Area 3 available.
- LRSV - AD obstacles updated;
  - electronic obstacle data sets for Area 2 and Area 3 available.
- LRTC - new chart available - Bird concentrations in the vicinity of the aerodrome.
- LRSM - AD ELEV updated;
  - THR ELEV updated;
  - approach and RWY lighting updated;
  - AD regulations updated;
  - new charts available - Aircraft Parking/Docking Chart and Visual Operations Chart RWY 24L/24R Aerodrome traffic circuit.

II.

Insert the following new pages and/or charts:		**Destroy the following pages and/or charts:**	
GEN 0.4-1	16 APR 2026	GEN 0.4-1	19 MAR 2026
GEN 0.4-2	16 APR 2026	GEN 0.4-2	19 MAR 2026
GEN 0.4-3	16 APR 2026	GEN 0.4-3	19 MAR 2026
GEN 0.4-4	16 APR 2026	GEN 0.4-4	19 MAR 2026
GEN 0.4-5	16 APR 2026	GEN 0.4-5	19 MAR 2026
GEN 0.4-6	16 APR 2026	GEN 0.4-6	19 MAR 2026
GEN 0.4-7	16 APR 2026	GEN 0.4-7	19 MAR 2026
GEN 0.4-8	16 APR 2026	GEN 0.4-8	19 MAR 2026
GEN 0.5-1	16 APR 2026	GEN 0.5-1	19 FEB 2026
GEN 2.4-2	16 APR 2026	GEN 2.4-2	19 MAR 2026
GEN 3.1-7	16 APR 2026	GEN 3.1-7	31 OCT 2024
GEN 3.2-6	16 APR 2026	GEN 3.2-6	19 MAR 2026
GEN 3.2-8	16 APR 2026	GEN 3.2-8	30 OCT 2025
GEN 3.2-9	16 APR 2026	GEN 3.2-9	19 MAR 2026

II.	Insert the following new pages and/or charts:		Destroy the following pages and/or charts:	
	GEN 3.2-11	16 APR 2026	GEN 3.2-11	19 FEB 2026
	ENR 5.4-6	16 APR 2026	ENR 5.4-6	07 AUG 2025
	AD 1.3-1	16 APR 2026	AD 1.3-1	27 NOV 2025
	AD 1.5-2	16 APR 2026	AD 1.5-2	19 MAR 2026
	AD 2.2-1	16 APR 2026	AD 2.2-1	04 SEP 2025
	AD 2.3-1	16 APR 2026	AD 2.3-1	30 OCT 2025
	AD 2.3-13	16 APR 2026	AD 2.3-13	30 OCT 2025
	AD 2.3-30	16 APR 2026	----------	
	AD 2.3-30a	16 APR 2026	----------	
	AD 2.5-2	16 APR 2026	AD 2.5-2	02 OCT 2025
	AD 2.5-6	16 APR 2026	AD 2.5-6	02 OCT 2025
	AD 2.5-8	16 APR 2026	AD 2.5-8	02 OCT 2025
	AD 2.5-9	16 APR 2026	AD 2.5-9	02 OCT 2025
	AD 2.5-21	16 APR 2026	AD 2.5-21	30 OCT 2025
	AD 2.5-21a	16 APR 2026	AD 2.5-21a	30 OCT 2025
	AD 2.5-22	16 APR 2026	AD 2.5-22	07 SEP 2023
	AD 2.5-23	16 APR 2026	AD 2.5-23	30 OCT 2025
	AD 2.7-16	16 APR 2026	AD 2.7-16	22 JAN 2026
	AD 2.8-1	16 APR 2026	AD 2.8-1	20 MAR 2025
	AD 2.11-2	16 APR 2026	AD 2.11-2	23 JAN 2025
	AD 2.11-7	16 APR 2026	AD 2.11-7	04 SEP 2025
	AD 2.11-20	16 APR 2026	AD 2.11-20	04 SEP 2025
	AD 2.11-23	16 APR 2026	AD 2.11-23	23 JAN 2025
	AD 2.12-1	16 APR 2026	AD 2.12-1	30 OCT 2025
	AD 2.12-3	16 APR 2026	AD 2.12-3	17 APR 2025
	AD 2.12-4	16 APR 2026	AD 2.12-4	30 OCT 2025
	AD 2.12-5	16 APR 2026	AD 2.12-5	30 OCT 2025
	AD 2.12-6	16 APR 2026	AD 2.12-6	27 NOV 2025
	AD 2.12-7	16 APR 2026	AD 2.12-7	30 OCT 2025
	AD 2.12-8	16 APR 2026	----------	
	AD 2.14-3	16 APR 2026	AD 2.14-3	07 AUG 2025
	AD 2.14-4	16 APR 2026	AD 2.14-4	23 JAN 2025
	AD 2.17-1	16 APR 2026	AD 2.17-1	30 OCT 2025
	AD 2.17-13	16 APR 2026	AD 2.17-13	28 JAN 2021
	AD 2.17-14	16 APR 2026	----------	
	AD 2.17-46	16 APR 2026	----------	
	AD 2.23-40	16 APR 2026	AD 2.23-40	19 MAR 2026
	AD 2.28-1	16 APR 2026	AD 2.28-1	25 JAN 2024
	AD 2.28-2	16 APR 2026	AD 2.28-2	10 AUG 2023
	AD 2.28-3	16 APR 2026	AD 2.28-3	22 FEB 2024
	AD 2.28-4	16 APR 2026	AD 2.28-4	10 AUG 2023
	AD 2.28-5	16 APR 2026	AD 2.28-5	19 MAR 2026
	AD 2.28-6	16 APR 2026	----------	
	AD 2.28-20	16 APR 2026	AD 2.28-20	25 JAN 2024
	AD 2.28-20a	16 APR 2026	----------	
	AD 2.28-22	16 APR 2026	----------	

II.	Insert the following new pages and/or charts:		Destroy the following pages and/or charts:	
	AD 2.28-40	16 APR 2026	AD 2.28-40	25 JAN 2024
	AD 2.28-41	16 APR 2026	----------	

III. **Amend RECORD OF AIP AMDT (GEN 0.2) accordingly.**

IV. **Hand amendments:**

See GEN 0.5 / 16 APR 2026.

END

GEN 0.4 CHECKLIST OF AIP PAGES

Page	Date
PART 1-GENERAL(GEN)	
GEN 0	
GEN 0.1-1	15 JUL 2022
GEN 0.1-2	15 JUL 2022
GEN 0.1-3	15 JUL 2022
GEN 0.2-1	29 JAN 1998
GEN 0.2-2	29 JAN 1998
GEN 0.2-3	10 JUN 2004
GEN 0.2-4	02 AUG 2007
GEN 0.2-5	02 AUG 2007
GEN 0.2-6	25 MAR 2012
GEN 0.2-7	25 MAR 2012
GEN 0.2-8	10 NOV 2016
GEN 0.2-9	10 NOV 2016
GEN 0.2-10	20 MAY 2021
GEN 0.2-11	20 MAY 2021
GEN 0.2-12	26 DEC 2024
GEN 0.2-13	26 DEC 2024
GEN 0.3-1	27 NOV 2025
GEN 0.3-2	01 JAN 2026
GEN 0.4-1	16 APR 2026
GEN 0.4-2	16 APR 2026
GEN 0.4-3	16 APR 2026
GEN 0.4-4	16 APR 2026
GEN 0.4-5	16 APR 2026
GEN 0.4-6	16 APR 2026
GEN 0.4-7	16 APR 2026
GEN 0.4-8	16 APR 2026
GEN 0.5-1	16 APR 2026
GEN 0.6-1	15 JUL 2022
GEN 0.6-2	15 JUL 2022
GEN 1	
GEN 1.1-1	15 MAY 2025
GEN 1.1-2	15 MAY 2025
GEN 1.2-1	24 MAR 2022
GEN 1.2-2	24 MAR 2022
GEN 1.2-3	24 MAR 2022
GEN 1.2-4	24 MAR 2022
GEN 1.2-5	24 MAR 2022
GEN 1.2-6	01 DEC 2022
GEN 1.2-7	01 DEC 2022
GEN 1.2-8	01 DEC 2022
GEN 1.2-9	01 DEC 2022
GEN 1.2-10	24 MAR 2022
GEN 1.2-11	24 MAR 2022
GEN 1.2-12	24 MAR 2022
GEN 1.2-13	24 MAR 2022
GEN 1.2-14	24 MAR 2022
GEN 1.2-15	24 MAR 2022
GEN 1.3-1	23 JAN 2025
GEN 1.3-2	23 JAN 2025
GEN 1.3-3	15 MAY 2025
GEN 1.4-1	15 MAY 2025
GEN 1.4-2	15 MAY 2025
GEN 1.5-1	22 MAY 2021
GEN 1.5-2	30 OCT 2025
GEN 1.5-3	22 MAY 2021
GEN 1.6-1	30 NOV 2023
GEN 1.6-2	30 NOV 2023
GEN 1.6-3	30 NOV 2023
GEN 1.6-4	30 NOV 2023
GEN 1.6-5	30 NOV 2023
GEN 1.6-6	30 NOV 2023
GEN 1.6-7	15 JUL 2025
GEN 1.6-8	15 JUL 2025
GEN 1.6-9	15 JUL 2025
GEN 1.6-10	15 JUL 2025
GEN 1.6-11	15 JUL 2025
GEN 1.6-12	15 JUL 2025
GEN 1.6-13	15 JUL 2025
GEN 1.6-14	15 JUL 2025
GEN 1.6-15	15 JUL 2025
GEN 1.6-16	15 JUL 2025
GEN 1.6-17	15 JUL 2025
GEN 1.6-18	15 JUL 2025
GEN 1.6-19	15 JUL 2025
GEN 1.6-20	15 JUL 2025
GEN 1.6-21	15 JUL 2025
GEN 1.6-22	15 JUL 2025
GEN 1.6-23	01 NOV 2024
GEN 1.6-24	01 NOV 2024
GEN 1.7-1	15 JUL 2025
GEN 1.7-2	15 JUL 2025
GEN 1.7-3	30 NOV 2023
GEN 1.7-4	15 JUL 2025
GEN 1.7-5	15 JUL 2025
GEN 1.7-6	30 NOV 2023
GEN 1.7-7	15 JUL 2025
GEN 1.7-8	15 JUL 2025
GEN 1.7-9	30 NOV 2023
GEN 1.7-10	30 NOV 2023
GEN 1.7-11	15 JUL 2025
GEN 1.7-12	15 JUL 2025
GEN 1.7-13	15 JUL 2025
GEN 1.7-14	30 NOV 2023
GEN 1.7-15	15 JUL 2025
GEN 1.7-16	01 NOV 2024
GEN 1.7-17	01 NOV 2024
GEN 1.7-18	15 JUL 2025
GEN 1.7-19	15 JUL 2025
GEN 1.7-20	08 AUG 2024
GEN 1.7-21	08 AUG 2024
GEN 1.7-22	08 AUG 2024
GEN 1.7-23	26 DEC 2024
GEN 2	
GEN 2.1-1	23 MAR 2023
GEN 2.1-2	01 JAN 2026
GEN 2.2-1	30 MAR 2017
GEN 2.2-2	02 JUL 2010
GEN 2.2-3	09 AUG 2024
GEN 2.2-4	02 JUL 2010
GEN 2.2-5	02 JUL 2010
GEN 2.2-6	10 SEP 2020
GEN 2.2-7	10 SEP 2020
GEN 2.2-8	10 JUN 2004
GEN 2.2-9	10 SEP 2020
GEN 2.2-10	07 SEP 2023
GEN 2.2-11	01 APR 2024
GEN 2.2-12	02 JUL 2010
GEN 2.2-13	02 JUL 2010
GEN 2.2-14	28 MAR 2019
GEN 2.2-15	15 JUN 2023
GEN 2.2-16	02 JUL 2010
GEN 2.2-17	27 NOV 2025
GEN 2.2-18	02 JUL 2010
GEN 2.2-19	07 SEP 2023
GEN 2.2-20	07 SEP 2023
GEN 2.2-21	28 JAN 2021
GEN 2.2-22	02 JUL 2010
GEN 2.2-23	01 APR 2024
GEN 2.2-24	15 JUL 2022
GEN 2.2-25	09 AUG 2024
GEN 2.2-26	01 APR 2024
GEN 2.2-27	30 MAR 2017
GEN 2.3-1	15 JUN 2023
GEN 2.3-2	07 MAY 2009
GEN 2.3-3	26 MAR 2020
GEN 2.3-4	06 APR 2012
GEN 2.3-5	18 NOV 2010
GEN 2.4-1	04 SEP 2025
GEN 2.4-2	16 APR 2026
GEN 2.5-1	02 OCT 2025
GEN 2.5-2	23 JAN 2025
GEN 2.5-3	20 MAR 2025
GEN 2.6-1	29 JAN 1998
GEN 2.6-2	29 JAN 1998
GEN 2.7-1	19 MAR 2026
GEN 2.7-2	07 AUG 2025
GEN 2.7-3	07 AUG 2025
GEN 2.7-4	07 AUG 2025
GEN 2.7-5	25 DEC 2025
GEN 2.7-6	25 DEC 2025
GEN 2.7-7	25 DEC 2025
GEN 2.7-8	25 DEC 2025
GEN 2.7-9	25 DEC 2025
GEN 2.7-10	25 DEC 2025
GEN 2.7-11	25 DEC 2025
GEN 2.7-12	25 DEC 2025
GEN 2.7-13	25 DEC 2025
GEN 2.7-14	25 DEC 2025
GEN 2.7-15	25 DEC 2025
GEN 2.7-16	19 MAR 2026
GEN 2.7-17	19 MAR 2026
GEN 2.7-18	19 MAR 2026
GEN 2.7-19	19 MAR 2026
GEN 2.7-20	19 MAR 2026
GEN 2.7-21	19 MAR 2026

Page	Date
ENR 3.2-22	30 OCT 2025
ENR 3.3-1	20 APR 2023
ENR 3.3-2	20 APR 2023
ENR 3.4-1	20 APR 2023
ENR 4	
ENR 4.1-1	04 SEP 2025
ENR 4.1-2	20 MAR 2025
ENR 4.1-3	23 JAN 2025
ENR 4.2-1	29 JAN 1998
ENR 4.3-1	15 JUN 2023
ENR 4.4-1	19 FEB 2026
ENR 4.4-2	02 OCT 2025
ENR 4.4-3	19 FEB 2026
ENR 4.4-4	19 FEB 2026
ENR 4.4-5	19 FEB 2026
ENR 4.4-6	02 OCT 2025
ENR 4.4-7	19 FEB 2026
ENR 4.4-8	30 OCT 2025
ENR 4.4-9	19 FEB 2026
ENR 4.4-10	19 FEB 2026
ENR 4.5-1	23 OCT 2008
ENR 5	
ENR 5.1-1	29 JAN 1998
ENR 5.1-2	17 APR 2025
ENR 5.1-3	17 APR 2025
ENR 5.1-4	17 APR 2025
ENR 5.1-5	17 APR 2025
ENR 5.1-6	17 APR 2025
ENR 5.1-7	17 APR 2025
ENR 5.1-8	17 APR 2025
ENR 5.1-9	17 APR 2025
ENR 5.1-10	17 APR 2025
ENR 5.1-11	17 APR 2025
ENR 5.1-12	17 APR 2025
ENR 5.1-13	17 APR 2025
ENR 5.1-14	17 APR 2025
ENR 5.1-15	17 APR 2025
ENR 5.2-1	17 APR 2025
ENR 5.2-2	17 APR 2025
ENR 5.2-3	17 APR 2025
ENR 5.2-4	17 APR 2025
ENR 5.2-5	17 APR 2025
ENR 5.2-6	17 APR 2025
ENR 5.2-7	17 APR 2025
ENR 5.2-8	17 APR 2025
ENR 5.2-9	17 APR 2025
ENR 5.2-10	17 APR 2025
ENR 5.2-11	17 APR 2025
ENR 5.2-12	17 APR 2025
ENR 5.2-13	17 APR 2025
ENR 5.2-14	17 APR 2025
ENR 5.2-15	17 APR 2025
ENR 5.2-16	17 APR 2025
ENR 5.2-17	17 APR 2025
ENR 5.2-18	17 APR 2025
ENR 5.2-19	17 APR 2025
ENR 5.2-20	17 APR 2025
ENR 5.2-21	17 APR 2025
ENR 5.2-22	17 APR 2025
ENR 5.2-23	17 APR 2025
ENR 5.2-24	17 APR 2025
ENR 5.2-25	17 APR 2025
ENR 5.3-1	02 JUL 2010
ENR 5.4-1	18 MAY 2023
ENR 5.4-2	18 MAY 2023
ENR 5.4-3	18 MAY 2023
ENR 5.4-4	18 MAY 2023
ENR 5.4-5	07 AUG 2025
ENR 5.4-6	16 APR 2026
ENR 5.5-1	02 JUL 2010
ENR 5.6-1	30 DEC 2021
ENR 6	
ENR 6-2	04 SEP 2025
ENR 6-10	17 APR 2025
ENR 6-11	17 APR 2025
ENR 6-20	17 APR 2025
ENR 6-21	17 APR 2025
ENR 6-30	19 FEB 2026
ENR 6-31	19 FEB 2026
ENR 6-32	19 FEB 2026
ENR 6-40	19 FEB 2026
ENR 6-51	29 DEC 2022
ENR 6-54	25 APR 2019
ENR 6-60	15 JUN 2023
ENR 6-70	17 APR 2025
ENR 6-100	19 FEB 2025
ENR 6-100a	19 FEB 2025
ENR 6-101	23 FEB 2023
PART 3-AERODROMES(AD)	
AD 0	
AD 0.6-1	02 JUL 2010
AD 0.6-2	02 JUL 2010
AD 0.6-3	02 JUL 2010
AD 0.6-4	25 FEB 2021
AD 0.6-5	08 AUG 2024
AD 0.6-6	08 AUG 2024
AD 0.6-7	08 AUG 2024
AD 0.6-8	08 AUG 2024
AD 0.6-9	08 AUG 2024
AD 0.6-10	08 AUG 2024
AD 0.6-11	25 FEB 2021
AD 0.6-12	25 FEB 2021
AD 0.6-13	25 FEB 2021
AD 0.6-14	25 FEB 2021
AD 0.6-15	02 NOV 2023
AD 0.6-16	28 DEC 2023
AD 0.6-17	04 SEP 2025
AD 0.6-18	19 MAR 2026
AD 0.6-19	19 MAR 2026
AD 0.6-20	19 MAR 2026
AD 0.6-21	19 MAR 2026
AD 1	
AD 1.1-1	10 JUN 2004
AD 1.1-2	08 APR 2010
AD 1.1-3	08 NOV 2018
AD 1.2-1	02 NOV 2023
AD 1.2-2	02 NOV 2023
AD 1.2-3	02 NOV 2023
AD 1.3-1	16 APR 2026
AD 1.3-2	19 MAR 2026
AD 1.3-3	19 MAR 2026
AD 1.4-1	29 JAN 1998
AD 1.5-1	19 MAR 2026
AD 1.5-2	16 APR 2026
AD 1.5-3	19 MAR 2026
AD 2	
AD 2.1-1	30 OCT 2025
AD 2.1-2	17 APR 2025
AD 2.1-3	18 MAY 2023
AD 2.1-4	18 MAY 2023
AD 2.1-5	18 MAY 2023
AD 2.1-6	07 AUG 2025
AD 2.1-7	18 MAY 2023
AD 2.1-8	18 MAY 2023
AD 2.1-9	30 OCT 2025
AD 2.1-10	30 OCT 2025
AD 2.1-11	10 JUL 2025
AD 2.1-12	10 JUL 2025
AD 2.1-13	10 JUL 2025
AD 2.1-14	10 AUG 2023
AD 2.1-15	10 AUG 2023
AD 2.1-16	03 OCT 2024
AD 2.1-20	03 OCT 2024
AD 2.1-20a	03 OCT 2024
AD 2.1-22	03 OCT 2024
AD 2.1-25	10 SEP 2020
AD 2.1-26	10 SEP 2020
AD 2.1-29	05 FEB 2015
AD 2.1-31	17 APR 2025
AD 2.1-32	17 APR 2025
AD 2.1-33	17 APR 2025
AD 2.1-34	17 APR 2025
AD 2.1-35	17 APR 2025
AD 2.1-36	17 APR 2025
AD 2.1-37	17 APR 2025
AD 2.1-38	17 APR 2025
AD 2.1-40	20 APR 2023
AD 2.1-45	17 APR 2025
AD 2.1-46	08 SEP 2022
AD 2.1-53	17 APR 2025
AD 2.1-53a	18 JUL 2019
AD 2.1-54	17 APR 2025
AD 2.1-54a	18 JUL 2019
AD 2.1-81	17 APR 2025
AD 2.1-81a	18 JUL 2019
AD 2.1-83	17 APR 2025
AD 2.1-83a	18 JUL 2019
AD 2.1-84	17 APR 2025
AD 2.1-84a	18 JUL 2019
AD 2.2-1	16 APR 2026
AD 2.2-2	18 MAY 2023
AD 2.2-3	18 MAY 2023
AD 2.2-4	18 MAY 2023
AD 2.2-5	18 MAY 2023
AD 2.2-6	02 NOV 2023
AD 2.2-7	18 MAY 2023
AD 2.2-8	04 SEP 2025
AD 2.2-9	04 SEP 2025
AD 2.2-10	30 OCT 2025

Page	Date	Page	Date	Page	Date
AD 2.2-11	30 OCT 2025	AD 2.3-28	03 OCT 2024	AD 2.4-54	17 APR 2025
AD 2.2-12	22 JAN 2026	AD 2.3-30	16 APR 2026	AD 2.4-54a	05 APR 2012
AD 2.2-13	25 DEC 2025	AD 2.3-30a	16 APR 2026	AD 2.4-91	17 APR 2025
AD 2.2-14	25 DEC 2025	AD 2.3-31	19 FEB 2026	AD 2.4-91a	05 APR 2012
AD 2.2-20	04 SEP 2025	AD 2.3-31a	31 OCT 2024	AD 2.4-92	17 APR 2025
AD 2.2-20a	25 MAR 2021	AD 2.3-46	31 OCT 2024	AD 2.4-92a	05 APR 2012
AD 2.2-22	04 SEP 2025	AD 2.3-51	19 FEB 2026	AD 2.4-93	17 APR 2025
AD 2.2-25	04 SEP 2025	AD 2.3-51a	31 OCT 2024	AD 2.4-93a	10 DEC 2015
AD 2.2-26	04 SEP 2025	AD 2.3-52	19 FEB 2026	AD 2.4-94	17 APR 2025
AD 2.2-28	04 SEP 2025	AD 2.3-52a	31 OCT 2024	AD 2.4-94a	10 DEC 2015
AD 2.2-29	04 SEP 2025	AD 2.3-71	19 FEB 2026	AD 2.5-1	20 MAR 2025
AD 2.2-30	04 SEP 2025	AD 2.3-71a	31 OCT 2024	AD 2.5-2	16 APR 2026
AD 2.2-30a	04 SEP 2025	AD 2.3-71b	31 OCT 2024	AD 2.5-3	02 OCT 2025
AD 2.2-31	04 SEP 2025	AD 2.3-71c	31 OCT 2024	AD 2.5-4	10 AUG 2023
AD 2.2-31a	04 SEP 2025	AD 2.3-91	19 FEB 2026	AD 2.5-5	07 SEP 2023
AD 2.2-46	04 SEP 2025	AD 2.3-91a	31 OCT 2024	AD 2.5-6	16 APR 2026
AD 2.2-50	30 OCT 2025	AD 2.3-92	19 FEB 2026	AD 2.5-7	12 JUN 2025
AD 2.2-50a	30 OCT 2025	AD 2.3-92a	31 OCT 2024	AD 2.5-8	16 APR 2026
AD 2.2-50b	30 OCT 2025	AD 2.3-93	19 FEB 2026	AD 2.5-9	16 APR 2026
AD 2.2-50c	30 OCT 2025	AD 2.3-93a	31 OCT 2024	AD 2.5-10	30 OCT 2025
AD 2.2-51	27 NOV 2025	AD 2.3-94	19 FEB 2026	AD 2.5-11	02 OCT 2025
AD 2.2-51a	30 OCT 2025	AD 2.3-94a	31 OCT 2024	AD 2.5-12	02 OCT 2025
AD 2.2-52	27 NOV 2025	AD 2.4-1	20 MAR 2025	AD 2.5-13	02 OCT 2025
AD 2.2-52a	30 OCT 2025	AD 2.4-2	25 DEC 2025	AD 2.5-14	02 OCT 2025
AD 2.2-53	04 SEP 2025	AD 2.4-3	16 MAY 2024	AD 2.5-15	02 OCT 2025
AD 2.2-53a	04 SEP 2025	AD 2.4-4	16 MAY 2024	AD 2.5-16	02 OCT 2025
AD 2.2-54	04 SEP 2025	AD 2.4-5	17 APR 2025	AD 2.5-17	02 OCT 2025
AD 2.2-54a	04 SEP 2025	AD 2.4-6	10 JUL 2025	AD 2.5-20	02 OCT 2025
AD 2.2-71	02 OCT 2025	AD 2.4-7	10 JUL 2025	AD 2.5-20a	03 OCT 2024
AD 2.2-71a	04 SEP 2025	AD 2.4-8	07 AUG 2025	AD 2.5-20b	03 OCT 2024
AD 2.2-71b	04 SEP 2025	AD 2.4-9	16 MAY 2024	AD 2.5-20c	02 OCT 2025
AD 2.2-71c	04 SEP 2025	AD 2.4-10	16 MAY 2024	AD 2.5-20d	02 OCT 2025
AD 2.2-72	04 SEP 2025	AD 2.4-11	16 MAY 2024	AD 2.5-21	16 APR 2026
AD 2.2-72a	04 SEP 2025	AD 2.4-20	25 DEC 2025	AD 2.5-21a	16 APR 2026
AD 2.2-72b	04 SEP 2025	AD 2.4-20a	21 APR 2022	AD 2.5-21b	02 OCT 2025
AD 2.2-72c	04 SEP 2025	AD 2.4-22	25 DEC 2025	AD 2.5-21c	02 OCT 2025
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AD 2.3-8	30 OCT 2025	AD 2.4-37a	01 JAN 2017	AD 2.5-35	17 APR 2025
AD 2.3-9	30 OCT 2025	AD 2.4-40	18 APR 2024	AD 2.5-35a	26 JUN 2014
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Page	Date	Page	Date	Page	Date
AD 2.5-53	17 APR 2025	AD 2.7-34	19 FEB 2026	AD 2.8-71b	07 SEP 2023
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AD 2.7-33b	15 MAY 2025	AD 2.8-71a	17 APR 2025	AD 2.9-84a	17 APR 2025

Page	Date	Page	Date	Page	Date
AD 2.10-1	17 APR 2025	AD 2.11-20a	23 JAN 2025	AD 2.13-9	10 JUL 2025
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AD 2.11-2	16 APR 2026	AD 2.12-72c	27 NOV 2025	AD 2.14-30	17 APR 2025
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AD 2.11-20	16 APR 2026	AD 2.13-8	10 JUL 2025	AD 2.14-72b	07 SEP 2023

Page	Date	Page	Date	Page	Date
AD 2.14-72c	07 SEP 2023	AD 2.16-3	18 JUL 2019	AD 2.17-20	03 OCT 2024
AD 2.14-81	17 APR 2025	AD 2.16-4	18 JUL 2019	AD 2.17-20a	03 OCT 2024
AD 2.14-81a	15 JUN 2023	AD 2.16-5	18 JUL 2019	AD 2.17-21	03 OCT 2024
AD 2.14-82	17 APR 2025	AD 2.16-6	05 OCT 2023	AD 2.17-22	03 OCT 2024
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AD 2.16-2	19 MAR 2026	AD 2.17-14	16 APR 2026	AD 2.25-2	16 AUG 2018

Page	Date
AD 2.25-3	16 AUG 2018
AD 2.25-4	19 MAR 2026
AD 2.25-20	16 AUG 2018
AD 2.25-40	18 APR 2024
AD 2.26-1	25 MAR 2021
AD 2.26-2	16 AUG 2018
AD 2.26-3	11 JUL 2024
AD 2.26-4	19 MAR 2026
AD 2.26-20	11 JUL 2024
AD 2.26-40	18 APR 2024
AD 2.27-1	21 MAY 2020
AD 2.27-2	21 MAY 2020
AD 2.27-3	21 MAY 2020
AD 2.27-4	19 MAR 2026
AD 2.27-20	21 MAY 2020
AD 2.27-40	18 APR 2024
AD 2.28-1	16 APR 2026
AD 2.28-2	16 APR 2026
AD 2.28-3	16 APR 2026
AD 2.28-4	16 APR 2026
AD 2.28-5	16 APR 2026
AD 2.28-6	16 APR 2026
AD 2.28-20	16 APR 2026
AD 2.28-20a	16 APR 2026
AD 2.28-22	16 APR 2026
AD 2.28-40	16 APR 2026
AD 2.28-41	16 APR 2026
AD 2.29-1	31 OCT 2024
AD 2.29-2	03 OCT 2024
AD 2.29-3	15 JUN 2023
AD 2.29-4	15 JUN 2023
AD 2.29-5	15 JUN 2023
AD 2.29-6	15 JUN 2023
AD 2.29-7	15 JUN 2023
AD 2.29-8	20 MAR 2025
AD 2.29-9	20 FEB 2025
AD 2.29-10	17 APR 2025
AD 2.29-11	15 JUN 2023
AD 2.29-12	20 MAR 2025
AD 2.29-13	02 OCT 2025
AD 2.29-20	20 FEB 2025
AD 2.29-20a	20 FEB 2025
AD 2.29-22	20 FEB 2025
AD 2.29-25	15 JUN 2023
AD 2.29-26	15 JUN 2023
AD 2.29-28	15 JUN 2023
AD 2.29-30	17 APR 2025
AD 2.29-30a	15 JUN 2023
AD 2.29-31	17 APR 2025
AD 2.29-31a	15 JUN 2023
AD 2.29-32	17 APR 2025
AD 2.29-32a	15 JUN 2023
AD 2.29-33	17 APR 2025
AD 2.29-33a	15 JUN 2023
AD 2.29-34	17 APR 2025
AD 2.29-34a	15 JUN 2023
AD 2.29-35	17 APR 2025
AD 2.29-35a	15 JUN 2023
AD 2.29-52	17 APR 2025
AD 2.29-52a	15 JUN 2023
AD 2.29-71	30 OCT 2025
AD 2.29-71a	02 OCT 2025
AD 2.29-71b	02 OCT 2025
AD 2.29-71c	02 OCT 2025
AD 2.29-72	02 OCT 2025
AD 2.29-72a	02 OCT 2025
AD 2.29-72b	02 OCT 2025
AD 2.29-73	02 OCT 2025
AD 2.29-73a	02 OCT 2025
AD 2.29-73b	02 OCT 2025
AD 2.29-76	02 OCT 2025
AD 2.29-76a	15 JUN 2023
AD 2.29-76b	02 OCT 2025
AD 2.29-76c	02 OCT 2025
AD 2.29-84	17 APR 2025
AD 2.29-84a	15 JUN 2023
AD 2.30-1	02 NOV 2023
AD 2.30-2	02 NOV 2023
AD 2.30-3	02 NOV 2023
AD 2.30-4	02 NOV 2023
AD 2.30-5	02 NOV 2023
AD 2.30-6	02 NOV 2023
AD 2.30-7	02 NOV 2023
AD 2.30-8	19 MAR 2026
AD 2.30-20	02 NOV 2023
AD 2.30-40	02 NOV 2023
AD 2.31-1	30 NOV 2023
AD 2.31-2	27 NOV 2025
AD 2.31-3	27 NOV 2025
AD 2.31-4	30 NOV 2023
AD 2.31-5	19 MAR 2026
AD 2.31-20	27 NOV 2025
AD 2.31-40	18 APR 2024
AD 2.32-1	28 DEC 2023
AD 2.32-2	28 DEC 2023
AD 2.32-3	28 DEC 2023
AD 2.32-4	10 JUL 2025
AD 2.32-5	19 MAR 2026
AD 2.32-20	28 DEC 2023
AD 2.32-40	18 APR 2024
AD 2.33-1	07 AUG 2025
AD 2.33-2	07 AUG 2025
AD 2.33-3	04 SEP 2025
AD 2.33-4	07 AUG 2025
AD 2.33-5	19 MAR 2026
AD 2.33-20	07 AUG 2025
AD 2.33-40	07 AUG 2025
AD 2.34-1	04 SEP 2025
AD 2.34-2	04 SEP 2025
AD 2.34-3	04 SEP 2025
AD 2.34-4	19 MAR 2026
AD 2.34-20	04 SEP 2025
AD 2.34-40	04 SEP 2025
AD 2.35-1	27 NOV 2025
AD 2.35-2	27 NOV 2025
AD 2.35-3	27 NOV 2025
AD 2.35-4	19 MAR 2026
AD 2.35-20	27 NOV 2025
AD 2.35-40	27 NOV 2025
AD 2.36-1	19 MAR 2026
AD 2.36-2	19 MAR 2026
AD 2.36-3	19 MAR 2026
AD 2.36-4	19 MAR 2026
AD 2.36-20	19 MAR 2026
AD 2.36-40	19 MAR 2026
AD 3	
AD 3.2-1	22 APR 2021
AD 3.2-2	22 APR 2021
AD 3.2-3	13 JUL 2023
AD 3.2-4	18 APR 2024
AD 3.2-20	22 APR 2021
AD 3.2-40	18 APR 2024
AD 3.5-1	10 JUL 2025
AD 3.5-2	11 AUG 2022
AD 3.5-3	25 JAN 2024
AD 3.5-4	10 JUL 2025
AD 3.5-20	25 JAN 2024
AD 3.6-1	07 AUG 2025
AD 3.6-2	07 AUG 2025
AD 3.6-3	07 AUG 2025
AD 3.6-4	07 AUG 2025
AD 3.6-20	07 AUG 2025
AD 3.7-1	13 AUG 2020
AD 3.7-2	13 AUG 2020
AD 3.7-3	03 NOV 2022
AD 3.7-4	13 AUG 2020
AD 3.7-20	03 NOV 2022
AD 3.7-40	18 APR 2024
AD 3.7-40a	18 APR 2024
AD 3.8-1	25 MAR 2021
AD 3.8-2	25 MAR 2021
AD 3.8-3	25 MAR 2021
AD 3.8-4	25 MAR 2021
AD 3.8-20	25 MAR 2021

GEN 0.5 LIST OF HAND AMENDMENTS TO THE AIP

AIP page(s) Affected	*Amendment text*	*Introduced by AIP Amendment NO*
1	**2**	**3**
ENR 6-2 04 SEP 2025	EN-ROUTE CHART should be read in conjunction with ENR 6-30 Sectors within BUCUREȘTI CTA BLW FL175 - Index Chart.	AIRAC AIP AMDT 02/26
ENR 6-70 17 APR 2025	NAPOC TMA VFR ROUTES chart should be read in conjunction with ENR 6-40 Filght Information Services (FIS) Areas.	AIRAC AIP AMDT 02/26
ENR 6-70 17 APR 2025	NAPOC TMA VFR ROUTES chart, remove NDB 373 D.	AIRAC AIP AMDT 04/26

GEN 2.4 LOCATION INDICATORS

The location indicators marked with an asterisk (*) cannot be used in the address component of AFS messages.

Indicatorii de locație marcați cu un asterisc (*) nu pot fi folosiți în componenta de adresă a mesajelor AFS.

1. ENCODE

Location	*Indicator*
BUCUREŞTI (FIC/ACC/AIS/CAA/COM Centre)	LRBB
BUCUREŞTI/CENTRUL NAŢIONAL DE PROTECŢIE METEOROLOGICĂ A NAVIGAŢIEI AERIENE BUCUREŞTI/NATIONAL CENTRE OF AERONAUTICAL METEOROLOGY	LROM
ARAD / Arad	LRAR
ARAD / Charlie-Bravo Şiria	LRCB*
BACĂU / George Enescu	LRBC
BAIA MARE / Maramureş	LRBM
BISTRIŢA / Bistriţa	LRBN*
BOBOC (Mil)	LRBO*
BRAŞOV / Braşov-Ghimbav	LRBV
BRAŞOV / Ghimbav	LRBG*
BRAŞOV / Sânpetru	LRSP*
BUCUREŞTI / Băneasa-Aurel Vlaicu	LRBS
BUCUREŞTI / Henri Coandă	LROP
BUCUREŞTI / Spitalul Universitar de Urgenţă (SUUB)	LRSU*
CARANSEBEŞ / Banat-Caransebeş	LRCS*
CÂMPIA TURZII (Mil)	LRCT*
CISNĂDIE / Măgura	LRCD*
CLINCENI / Clinceni	LRCN*
CLUJ NAPOCA / Avram Iancu	LRCL
CONSTANŢA / Mihail Kogălniceanu-Constanţa	LRCK
CRAIOVA / Craiova	LRCV
Craiova-Sud	LRCW*
DEVA / Săuleşti - Constantin Manolache	LRDV*
DEZMIR / Dezmir	LRCJ*
Fagu-Balc	LRFB*
FETEŞTI (Mil)	LRFT*
GHEORGHENI / Remetea	LRHR*
GHIMBAV / MIR AERO-Braşov	LRMA*
GRADIŞTEA / Grădiştea	LRBA*
IAŞI / Iaşi	LRIA
IAȘI / Iaşi-Sud	LRIS*
MOARA VLĂSIEI / "Moara Vlăsiei"-Becker	LRBK*
TÂRGU MUREŞ / Mureşeni	LRMS*
NĂVODARI / Midia-Constanţa	LRMC*

2. DECODE

Indicator	*Location*
LRBB	BUCUREŞTI (FIC/ACC/AIS/CAA/COM Centre)
LROM	BUCUREŞTI/CENTRUL NAŢIONAL DE PROTECŢIE METEOROLOGICĂ A NAVIGAŢIEI AERIENE BUCUREŞTI/NATIONAL CENTRE OF AERONAUTICAL METEOROLOGY
LRAR	ARAD / Arad
LRBA*	GRĂDIŞTEA / Grădiştea
LRBC	BACĂU / George Enescu
LRBG*	BRAŞOV / Ghimbav
LRBK*	MOARA VLĂSIEI / "Moara Vlăsiei"-Becker
LRBM	BAIA MARE / Maramureş
LRBN*	BISTRIŢA / Bistriţa
LRBO*	BOBOC (Mil)
LRBS	BUCUREŞTI / Băneasa-Aurel Vlaicu
LRBV	BRAŞOV / Braşov-Ghimbav
LRCB*	ARAD / Charlie-Bravo Şiria
LRCC*	OITUZ / PA&CO
LRCJ*	DEZMIR / Dezmir
LRCD*	CISNĂDIE / Măgura
LRCH*	Punct de Operare Aeromedicală SMURD Constanţa
LRCK	CONSTANŢA / Mihail Kogălniceanu-Constanţa
LRCL	CLUJ NAPOCA / Avram Iancu
LRCN*	CLINCENI / Clinceni
LRCS*	CARANSEBEŞ / Banat-Caransebeş
LRCT*	CÂMPIA TURZII (Mil)
LRCV	CRAIOVA / Craiova
LRCW*	Craiova-Sud
LRDD*	OŞORHEI / Dogaru
LRDV*	DEVA / Săuleşti-Constantin Manolache
LRFB*	Fagu-Balc
LRFT*	FETEŞTI (Mil)
LRHO*	ORADEA / SMURD BH 2
LRHR*	GHEORGHENI / Remetea
LRIA	IAŞI / Iaşi
LRIS*	IAȘI / Iaşi-Sud
LRMA*	GHIMBAV / MIR AERO-Braşov
LRMC*	NĂVODARI / Midia-Constanţa

1. ENCODE

Location	*Indicator*
OITUZ / PA&CO	LRCC*
ORADEA / Oradea	LROD
ORADEA / SMURD BH 2	LRHO*
OŞORHEI / Dogaru	LRDD*
PIATRA NEAMȚ / Zănești-Neamț	LRZN*
PITEŞTI / Geamăna	LRPT*
PLOIEŞTI / Gheorghe Valentin Bibescu	LRPW*
Punct de Operare Aeromedicală SMURD Constanţa	LRCH*
SATU MARE / Satu Mare	LRSM
Sânmihaiu German	LRSG*
SIBIU / Sibiu	LRSB
SUCEAVA / Ştefan cel Mare-Suceava	LRSV
TĂUŢII MĂGHERĂUŞ / Tăuţii Măgherăuş	LRMM*
TÂRGU MUREŞ / Transilvania-Târgu Mureş	LRTM
TIMIŞOARA / Traian Vuia	LRTR
TULCEA / Delta Dunării Tulcea	LRTC
TUZLA / Tuzla	LRTZ
West Gate	LRWG*

2. DECODE

Indicator	*Location*
LRMM*	TĂUŢII MĂGHERĂUŞ / Tăuţii Măgherăuş
LRMS*	TÂRGU MUREȘ / Mureşeni
LROD	ORADEA / Oradea
LROP	BUCUREŞTI / Henri Coandă
LRPT*	PITEŞTI / Geamăna
LRPW*	PLOIEŞTI / Gheorghe Valentin Bibescu
LRSB	SIBIU / Sibiu
LRSG*	Sânmihaiu German
LRSM	SATU MARE / Satu Mare
LRSP*	BRAŞOV / Sânpetru
LRSU*	BUCUREŞTI / Spitalul Universitar de Urgenţă (SUUB)
LRSV	SUCEAVA / Ştefan cel Mare-Suceava
LRTC	TULCEA / Delta Dunării Tulcea
LRTM	TÂRGU MUREŞ / Transilvania-Târgu Mureş
LRTR	TIMIŞOARA / Traian Vuia
LRTZ	TUZLA / Tuzla
LRWG*	West Gate
LRZN*	PIATRA NEAMȚ / Zănești-Neamț

2.2 Area 2, Area 3, Area 4
Electronic obstacle data sets for Area 2, 3, 4 are available, in csv format, as indicated in the table below.

Aerodrome	Obstacle data		
	Area 2	Area 3	Area 4
ARAD/Arad (LRAR)	AVBL	AVBL	-
BACĂU/George Enescu (LRBC)	AVBL	AVBL	-
BAIA MARE/Maramureş (LRBM)	AVBL	AVBL	AVBL
CLUJ NAPOCA/Avram Iancu (LRCL)	AVBL	AVBL	-
CONSTANŢA/Mihail Kogălniceanu-Constanţa (LRCK)	AVBL	AVBL	-
IAŞI/Iași (LRIA)	AVBL	AVBL	-
SATU MARE/Satu Mare (LRSM)	AVBL	AVBL	-
SUCEAVA/Ștefan cel Mare (LRSV)	AVBL	AVBL	-
TÂRGU MUREŞ/Transilvania-Târgu Mureş (LRTM)	AVBL	AVBL	-

These data sets are available on request at AIM Unit by e-mail (see address contact above).

2.2 Zona 2, Zona 3, Zona 4
Seturile de date digitale de obstaculare pentru Zonele 2, 3, 4 sunt disponibile, în format csv, conform tabelului de mai jos.

Aerodrom	Datele de obstacolare		
	Zona 2	Zona 3	Zona 4
ARAD/Arad (LRAR)	Disponibil	Disponibil	-
BACĂU/George Enescu (LRBC)	Disponibil	Disponibil	-
BAIA MARE/Maramureş (LRBM)	Disponibil	Disponibil	Disponibil
CLUJ NAPOCA/Avram Iancu (LRCL)	Disponibil	Disponibil	-
CONSTANŢA/Mihail Kogălniceanu-Constanţa (LRCK)	Disponibil	Disponibil	-
IAŞI/Iaşi (LRIA)	Disponibil	Disponibil	-
SATU MARE/Satu Mare (LRSM)	Disponibil	Disponibil	-
SUCEAVA/Ştefan cel Mare (LRSV)	Disponibil	Disponibil	-
TÂRGU MUREŞ/Transilvania-Târgu Mureş (LRTM)	Disponibil	Disponibil	-

Aceste seturi de date digitale sunt disponibile la cerere prin e-mail la Serviciul AIM (vezi datele de contact de mai sus).

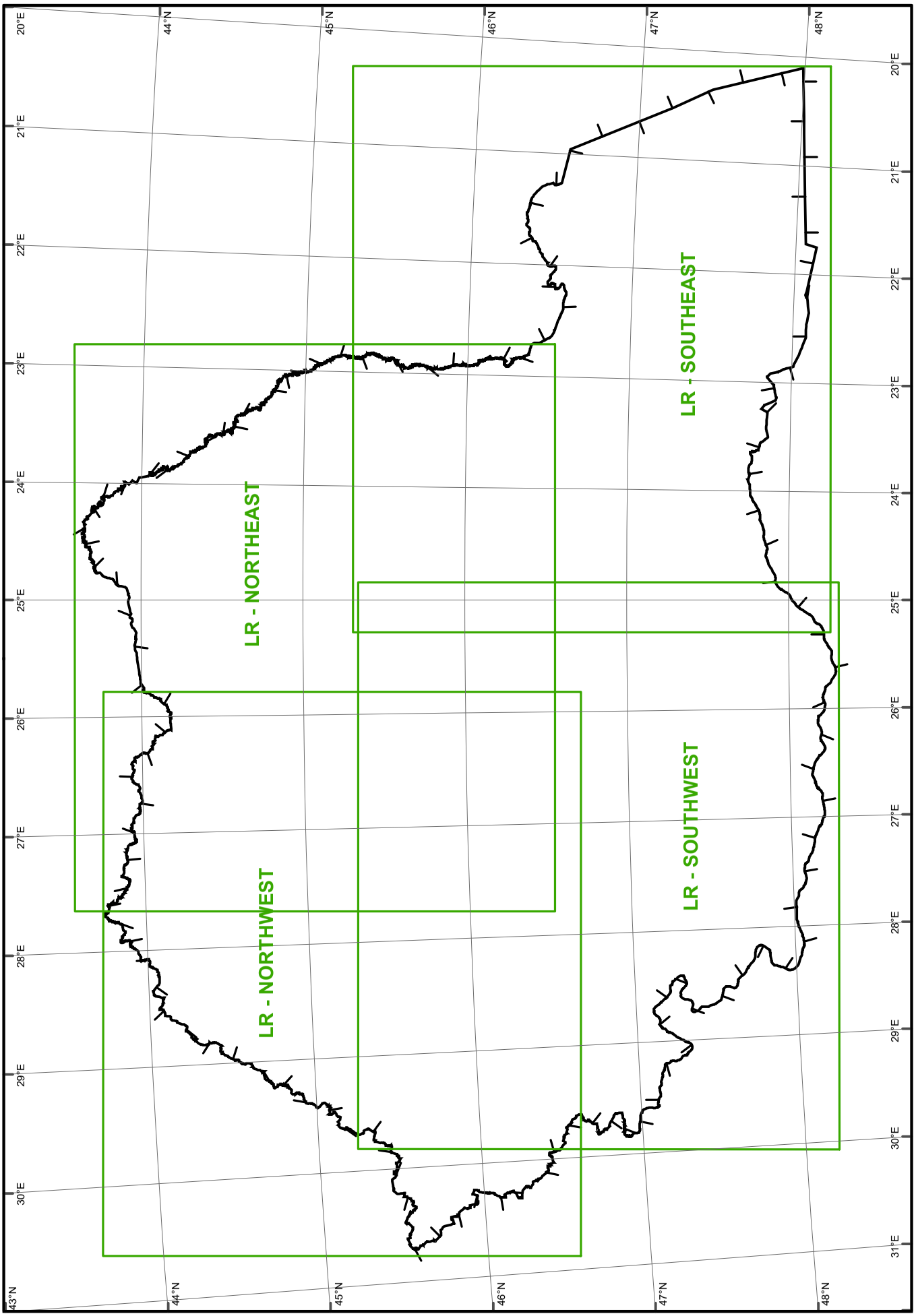
1	2	3	4
Aerodrome Chart - ICAO* (AC)	1:2 500	**GRADIŞTEA/Grădiştea**	
	1:15 000	**IAŞI/Iaşi**	
	1:4 000	**IAŞI/Iaşi-Sud**	
		ORADEA/Oradea	
	1:5 000	**PITEŞTI/Geamăna**	
	1:5 000	**PIATRA NEAMȚ/Zănești-Neamț**	
	1:5 000	**PLOIEŞTI/Gheorghe Valentin Bibescu-Ploieşti**	
		SATU-MARE/Satu-Mare	
		SIBIU/Sibiu	
	1:20 000	**SUCEAVA/Ştefan cel Mare-Suceava**	
	1:5000	**TÂRGU MUREŞ/Mureşeni**	
	1:15 000	**TÂRGU MUREŞ/Transilvania-Târgu Mureş**	
		TIMIŞOARA/Traian Vuia	
	1:20 000	**TULCEA/Delta Dunării**	
	1:7 000	**TUZLA/Tuzla**	
Heliport Chart - ICAO* (HC)	1:2 000	**BRAŞOV/Cobrex**	
	1:2 500	**GHIMBAV/IAR Braşov**	
	1:2 000	**GHIMBAV/MIR AERO-Braşov**	
	1:1 000	**NĂVODARI/Midia-Constanţa**	
	1:500	**ORADEA/SMURD BH 2**	
	1:1 000	**OŞORHEI/Dogaru**	
Aircraft Parking/Docking Chart - ICAO*		**ARAD/Arad - APRON 1/APRON 2**	
		BACĂU/George Enescu	
		BAIA MARE/Maramureş	
		BRAŞOV/Braşov-Ghimbav	
		BUCUREŞTI/Băneasa-Aurel Vlaicu	
		BUCUREŞTI/Henri Coandă - APRON 1	
		BUCUREŞTI/Henri Coandă - APRON 2	
		BUCUREŞTI/Henri Coandă - APRON 3	
		CLINCENI/Clinceni	
		CLUJ NAPOCA/Avram Iancu - APRON 1	
		CLUJ NAPOCA/Avram Iancu - APRON 2	
		CONSTANŢA/Mihail Kogălniceanu-Constanţa	
		CRAIOVA/Craiova - APRON 1	
		CRAIOVA/Craiova - APRON 2	
		CRAIOVA/Craiova - APRON 3 / APRON 4	
		IAŞI/Iaşi	
		ORADEA/Oradea - APRON 1	
		ORADEA/Oradea - APRON 2	
		PLOIEŞTI/Gheorghe Valentin Bibescu-Ploieşti	
		SATU MARE/Satu Mare	
		SIBIU/Sibiu	
		SUCEAVA/Ştefan cel Mare-Suceava - APRON 1	
		SUCEAVA/Ştefan cel Mare-Suceava - APRON 2	
		TÂRGU MUREŞ/Transilvania-Târgu Mureş - APRON 1	
		TÂRGU MUREŞ/Transilvania-Târgu Mureş - APRON 2	
		TIMIŞOARA/Traian Vuia - APRON	
		TULCEA/Delta Dunării	
Aerodrome Obstacle Chart - ICAO* TYPE A (AOC)	1:10 000	**ARAD/Arad**	**AOC - A 27**
	1:10 000	**ARAD/Arad**	**AOC - A 09**
	1:15 000	**BACĂU/George Enescu**	**AOC - A 16**
	1:15 000	**BACĂU/George Enescu**	**AOC - A 34**
	1:15 000	**BAIA MARE/Maramureş**	**AOC - A 09/27**
	1:15 000	**BRAŞOV/Braşov-Ghimbav**	**AOC - A 21/03**
	1:15 000	**BUCUREŞTI/Băneasa-Aurel Vlaicu**	**AOC - A 07**
	1:15 000	**BUCUREŞTI/Băneasa-Aurel Vlaicu**	**AOC - A 25**
	1:15 000	**BUCUREŞTI/Henri Coandă**	**AOC - A 08R/26L**
	1:15 000	**BUCUREŞTI/Henri Coandă**	**AOC - A 08L/26R**
	1:15 000	**CLUJ NAPOCA/Avram Iancu**	**AOC - A 07**
	1:15 000	**CLUJ NAPOCA/Avram Iancu**	**AOC - A 25**
	1:15 000	**CONSTANŢA/Mihail Kogălniceanu-Constanţa**	**AOC - A 36/18**
	1:15 000	**CRAIOVA/Craiova**	**AOC - A 08/26**
	1:20 000	**IAŞI/Iaşi**	**AOC - A 14/32**
	1:15 000	**ORADEA/Oradea**	**AOC - A 01**
	1:15 000	**ORADEA/Oradea**	**AOC - A 19**
	1:15 000	**SATU MARE/Satu Mare**	**AOC - A 01**
	1:15 000	**SATU MARE/Satu Mare**	**AOC - A 19**
	1:15 000	**SIBIU/Sibiu**	**AOC - A 09**
	1:15 000	**SIBIU/Sibiu**	**AOC - A 27**
	1:20 000	**SUCEAVA/Ştefan cel Mare-Suceava**	**AOC - A 16/34**
	1:15 000	**TÂRGU MUREŞ/Transilvania - Târgu Mureş**	**AOC - A 07**
	1:15 000	**TÂRGU MUREŞ/Transilvania - Târgu Mureş**	**AOC - A 25**
	1:15 000	**TIMIŞOARA/Traian Vuia**	**AOC - A 11**
	1:15 000	**TIMIŞOARA/Traian Vuia**	**AOC - A 29**
	1:15 000	**TULCEA/Delta Dunării**	**AOC - A 16**
	1:15 000	**TULCEA/Delta Dunării**	**AOC - A 34**

1	2	3	4
Aerodrome Ground Movement Chart - ICAO*	1:25 000	**BUCUREŞTI/Henri Coandă** **CLUJ NAPOCA/Avram Iancu** **PLOIEȘTI/Gheorghe Valentin Bibescu-Ploiești** **TULCEA/Delta Dunării**	
Visual Approach Chart - ICAO* (VAC)	NIL		
Precision Approach Terrain Chart - ICAO* (PATC)		**ARAD/Arad**	
	1:2 500	LRAR PATC RWY 27	
		BACĂU/George Enescu	
	1:2 500	LRBC PATC RWY 16	
	1:2 500	LRBC PATC RWY 34	
		BAIA MARE/Maramureş	
	1:2 500	LRBM PATC RWY 09	
		BRAŞOV/Braşov-Ghimbav	
	1:2 500	LRBV PATC RWY 21	
		BUCUREŞTI/Băneasa-Aurel Vlaicu	
	1:2 500	LRBS PATC RWY 07	
		BUCUREŞTI/Henri Coandă	
	1:2 500	LROP PATC RWY 08R	
		LROP PATC RWY 08L	
		CLUJ NAPOCA/Avram Iancu	
		LRCL PATC RWY 25	
		CONSTANŢA/Mihail Kogălniceanu-Constanţa	
	1:2 500	LRCK PATC RWY 36	
		CRAIOVA/Craiova	
	1:2 500	LRCV PATC RWY 26	
		IAŞI/Iaşi	
	1:2 500	LRIA PATC RWY 14	
		SATU MARE/Satu Mare	
	1:2 500	LRSM PATC RWY 19	
		SIBIU/Sibiu	
	1:2 500	LRSB PATC RWY 27	
		SUCEAVA/Ştefan cel Mare-Suceava	
		LRSV PATC RWY 34	
		TÂRGU MUREŞ/Transilvania-Târgu Mureş	
	1:2 500	LRTM PATC RWY 07	
		TIMISOARA/Traian Vuia	
	1:2 500	LRTR PATC RWY 11	
	1:2 500	LRTR PATC RWY 29	
		ORADEA/Oradea	
	1:2 500	LROD PATC RWY 19	
RNAV Departure Chart*		**ARAD/Arad**	
		LRAR RWY 09	
		LRAR RWY 27	
		BRAŞOV/Braşov-Ghimbav	
	1:500 000	LRBV RWY 21	
	1:500 000	LRBV RWY 03	
		BUCUREŞTI/Băneasa-Aurel Vlaicu	
		LRBS RWY 07	
		LRBS RWY 25	
		BUCUREŞTI/Henri Coandă	
		LROP RWY 08L/R	
		LROP RWY 26L/R	
		CLUJ NAPOCA/Avram Iancu	
		LRCL RWY 07	
		LRCL RWY 25	
		CRAIOVA/Craiova	
	1:500 000	LRCV RWY 08	
	1:500 000	LRCV RWY 26	
		SIBIU/Sibiu	
		LRSB RWY 09	
		LRSB RWY 27	
		TÂRGU MUREŞ/Transilvania-Târgu Mureş	
		LRTM RWY 07	
		LRTM RWY 25	
		TIMIŞOARA/Traian Vuia	
		LRTR RWY 11	
		LRTR RWY 29	
RNAV Arrival Chart*		**ARAD/Arad**	
		LRAR RWY 09	
		LRAR RWY 27	
		BUCUREŞTI/Băneasa-Aurel Vlaicu	
		LRBS RWY 07	
		LRBS RWY 25	
		BUCUREŞTI/Henri Coandă	
		LROP RWY 08L/R	
		LROP RWY 26L/R	

1	2	3	4
RNAV Arrival Chart*		**CLUJ NAPOCA/Avram Iancu**	
		LRCL RWY 07	
		LRCL RWY 25	
		SIBIU/Sibiu	
		LRSB RWY 09	
		LRSB RWY 27	
		TÂRGU MUREŞ/Transilvania-Târgu Mureş	
		LRTM RWY 07	
		LRTM RWY 25	
		TIMIŞOARA/Traian Vuia	
		LRTR RWY 11	
		LRTR RWY 29	
Standard Departure Chart - Instrument - ICAO* (SID)		**ARAD/Arad**	
		LRAR RWY 09	
		LRAR RWY 27	
		BACĂU/George Enescu	
	1:500 000	LRBC RWY 16	
	1:500 000	LRBC RWY 34	
		BAIA MARE/Maramureş	
	1:500 000	LRBM RWY 09	
	1:500 000	LRBM RWY 27	
		BRAŞOV/Braşov-Ghimbav	
	1:500 000	LRBV RWY 21	
	1:500 000	LRBV RWY 03	
		BUCUREŞTI/Băneasa-Aurel Vlaicu	
		LRBS RWY 07	
		LRBS RWY 25	
		BUCUREŞTI/Henri Coandă	
		LROP RWYs 08L/R	
		LROP RWYs 26L/R	
		CLUJ-NAPOCA/Avram Iancu	
		LRCL RWY 07/25	
		CONSTANŢA/Mihail Kogălniceanu - Constanţa	
		LRCK RWY 18	
		LRCK RWY 36	
		CRAIOVA/Craiova	
	1:500 000	LRCV RWY 26	
	1:500 000	LRCV RWY 08	
		IAŞI/Iaşi	
	1:500 000	LRIA RWY 14	
	1:500 000	LRIA RWY 32	
		SATU MARE/Satu Mare	
	1:500 000	LRSM RWY 19	
	1:500 000	LRSM RWY 01	
		SIBIU/Sibiu	
		LRSB RWY 09	
		LRSB RWY 27	
		SUCEAVA/Ştefan Cel Mare-Suceava	
	1:500 000	LRSV RWY 16	
	1:500 000	LRSV RWY 34	
		TÂRGU MUREŞ/Transilvania - Târgu Mureş	
		LRTM RWY 07	
		LRTM RWY 25	
		TIMIŞOARA/Traian Vuia-Timişoara	
		LRTR RWY 11	
		LRTR RWY 29	
Standard Arrival Chart - Instrument - ICAO* (STAR)		**ARAD/Arad**	
		LRAR RWY 09	
		LRAR RWY 27	
		BUCUREŞTI/Băneasa-Aurel Vlaicu	
		LRBS RWY 07	
		LRBS RWY 25	
		BUCUREŞTI/Henri Coandă	
		LROP RWYs 08L/R	
		LROP RWYs 26L/R	
		CLUJ-NAPOCA/Avram Iancu	
		LRCL RWY 07	
		LRCL RWY 25	
		CONSTANŢA/Mihail Kogălniceanu - Constanţa	
		LRCK RWY 18	
		LRCK RWY 36	
		SIBIU/Sibiu	
		LRSB RWY 27	
		TÂRGU MUREŞ/Transilvania - Târgu Mureş	
		LRTM RWY 07/25	
		TIMIŞOARA/Traian Vuia - Timişoara	
		LRTR RWY 11	
		LRTR RWY 29	

1	2	3	4
ATC Surveillance Minimum Altitude Chart - ICAO*		**ARAD/Arad** **BUCUREŞTI/Băneasa-Aurel Vlaicu** **BUCUREŞTI/Henri Coandă** **CLUJ-NAPOCA/Avram Iancu** **CONSTANŢA/Mihail Kogălniceanu - Constanţa** **SIBIU/Sibiu** **TÂRGU MUREŞ/Transilvania - Târgu Mureş** **TIMIŞOARA/Traian Vuia - Timişoara**	
En-route Charts * / Area Charts * - ICAO	1:1 000 000	**ENROUTE CHART - LOWER AIRSPACE** **Free Route Airspace** **Lateral and Vertical Limits of SEE FRA - BUCUREŞTI CTA within SEE FRA** **ARAD TMA Lateral and vertical limits** **BUCUREŞTI TMA Lateral and vertical limits** **NAPOC TMA Lateral and vertical limits** **Flight Information Service (FIS) Areas**	10 10
Index Charts *		**Prohibited, Restricted and Danger Areas - Upper Airspace** **Temporary Reserved Areas (TRA) Upper Airspace** **Prohibited, Restricted and Danger Areas - Lower Airspace** **Temporary Reserved/Segregated Areas (TRA/TSA) Lower Airspace** **Sectors within BUCUREȘTI CTA BLW FL175** **Sectors within BUCUREȘTI CTA BTN FL175 - FL245** **Sectors within BUCUREȘTI CTA ABV FL245** **Aerodromes and heliports - index chart**	
VFR Chart - ICAO 1:500.000	1:500 000	**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)**	5 5 5 5
VFR Chart - ICAO 1:300.000 *	1:300 000	**NAPOC TMA VFR Routes**	5
Visual Operations Chart*		**ARAD/Arad**	
	1:35 000	LRAR Aerodrome traffic circuit	
		BUCUREŞTI/Băneasa-Aurel Vlaicu	
	1:70 000	LRBS RWY 07/25 Aerodrome traffic circuit - Aircraft categories A and H	
	1:150 000	LRBS VFR Routes - Aircraft categories A and H	
		BUCUREŞTI/Henri Coandă	
	1:200 000	LROP Aircraft categories A and H	
		CARANSEBEŞ/Banat-Caransebeş	
	1:35 000	LRCS RWY 10/28 Aerodrome traffic circuit	
		CISNĂDIE/Măgura	
	1:30 000	LRCD RWY 14/32 Aerodrome traffic circuit	
		PLOIEȘTI/Gheorghe Valentin Bibescu-Ploiești	
	1:50 000	LRPW RWY 07/25 Aerodrome traffic circuit	
	1:50 000	LRPW Heliport traffic circuit 09/27	
		TUZLA/Tuzla	
	1:50 000	LRTZ RWY 04/22 Aerodrome traffic circuit	
	1:50 000	LRTZ FATO 16/34 Aerodrome traffic circuit	
		BRAŞOV/Sânpetru	
	1:15 000	LRSP RWY12/30 Aerodrome traffic circuit	
		PIATRA NEAMȚ/Zănești-Neamț	
	1:40 000	LRZN RWY 14/32 Aerodrome traffic circuit	
		PITEŞTI/Geamăna	
	1:50 000	LRPT RWY 05 Powered aircraft aerodrome traffic circuit	
	1:50 000	LRPT RWY 23 Glider aerodrome traffic circuit	
		DEVA/Săuleşti-Constantin Manolache	
	1:35 000	LRDV RWY 12/30 Aerodrome traffic circuit	
		ARAD/Charlie-Bravo Şiria	
	1:20 000	LRCB RWY 18/36 Aerodrome traffic circuit	
		BISTRIŢA/Bistriţa	
	1:25 000	LRBN RWY 05/23 Aerodrome traffic circuit	
		GRĂDIŞTEA/Grădiştea	
	1:30 000	LRBA RWY 04/22 Aerodrome traffic circuit	
		CLINCENI/Clinceni	
	1:40 000	LRCN RWY 06L/06R Aerodrome traffic circuit	
	1:40 000	LRCN RWY 24L/24R Aerodrome traffic circuit	
		DEZMIR/Dezmir	
	1:30 000	LRCJ RWY 08/26 Aerodrome traffic circuit	
		GHEORGHENI/Remetea	
	1:50 000	LRHR RWY 09/27 Aerodrome traffic circuit	
		CRAIOVA/Craiova-Sud	
	1:30 000	LRCW RWY 12/30 Aerodrome traffic circuit	
		IAŞI/Iaşi-Sud	
	1:35 000	LRIS RWY 13/31 Aerodrome traffic circuit	
		GHIMBAV/IAR BRAŞOV	
	1:30 000	**ORADEA/SMURD BH 2**	
		TÂRGU MUREȘ/Mureșeni	
	1:30 000	LRMS RWY 05/23 Aerodrome traffic circuit	
		BRAŞOV/Corona	
	1:50 000	LRCR RWY 17/35 Aerodrome traffic circuit	

6. Index to Aeronautical Chart - ICAO 1 : 500000



7. Topographical Chart

Information not available.

7. Hărţi Topografice

Informaţii indisponibile.

8. Corrections to charts not contained in the AIP / Corecţii ale hărţilor care nu sunt incluse în AIP

Name of the chart Numele hărţii	Location Locaţia	Corrections Corecţii
1	2	3
VFR Chart - ICAO 1:500.000 VFR Chart South-West ROMANIA (LR-SW) VFR Chart South-East ROMANIA (LR-SE)	OTOPENI CTR	The horizontal limits of OTOPENI CTR change as follows: 444651N 0260448E - 444050N 0262233E – 443409N 0262442E - 443005N 0255635E – 443123N 0254558E - 443726N 0254443E – 444651N 0260448E
VFR Chart - ICAO 1:500.000 VFR Chart North-East ROMANIA (LR-NE) VFR Chart North-West ROMANIA (LR-NW) VFR Chart South-West ROMANIA (LR-SW) VFR Chart South-East ROMANIA (LR-SE)	Romania	These charts should be read in conjunction with chart ENR 6-40 Flight Information Service (FIS) Areas.
VFR Chart - ICAO 1:500.000 VFR Chart North-East ROMANIA (LR-NE) VFR Chart North-West ROMANIA (LR-NW)	BACAU CTR	Remove NDB 426 BC.
VFR Chart - ICAO 1:500.000 VFR Chart North-West ROMANIA (LR-NW)	ORADEA CTR	Remove NDB 360 O.
VFR Chart - ICAO 1:500.000 VFR Chart North-East ROMANIA (LR-NE) VFR Chart North-West ROMANIA (LR-NW)	TARGU MURES CTR	Remove NDB 373 D.
VFR Chart - ICAO 1:500.000 VFR Chart North-West ROMANIA (LR-NW) VFR Chart South-West ROMANIA (LR-SW)	TIMISOARA CTR	Remove NDB 378 TA.

1	2	3	4	5	6
Topolog	42 eolian power plants	445420N 0282137E	1585/492	Red lights	
Mihail Kogalniceanu	88 eolian power plants	443349N 0274609E	836/574	Red lights	
Casimcea	15 eolian power plants	444524N 0281932E	1295/490	Red lights	
Casimcea	27 eolian power plants	444649N 0281416E	1152/610	Red lights	
Mihai Bravu	3 eolian power plants	445625N 0283751E	874/443	Red lights	
Pogoanele	4 eolian power plants	445619N 0265809E	723/492	Red lights	
Stejaru	17 eolian power plants	444658N 0283334E	1373/489	Red lights	
Albesti	14 eolian power plants	463244N 0275458E	1537/476	Red lights	
Baleni	20 eolian power plants	454846N 0274738E	1115/491	Red lights	
Valea Nucarilor	2 eolian power plants	450434N 0285344E	790/328	Red lights	
Bestepe	3 eolian power plants	450332N 0285952E	859/481	Red lights	
Cerna	7 eolian power plants	450422N 0282027E	1270/491	Red lights	
Somova	1 eolian power plant	451050N 0283559E	1004/492	Red lights	
Vulturu	1 anemometric tower	443731N 0281429E	909/344	Red lights	
Ortisoara	Antenna	455801N 0211258E	821/386	Red lights	
Ortisoara	Antenna	455803N 0211254E	819/383	Red lights	
LRBC_388	ANTENNA	463618N 0265546E	1129/501	MARKED/LGTD R	
LRBC_1036	STACK	463148N 0265617E	1229/748	NIL	
LRBC_1037	STACK	463149N 0265620E	1207/726	NIL	
LRBC_1962	ANTENNA	464521N 0265053E	1152/430	MARKED/LGTD R	
LRBC_1964	ANTENNA	464448N 0265139E	1057/352	MARKED/LGTD R	
LRBC_1965	ANTENNA	464500N 0265139E	1060/355	MARKED/LGTD R	
LRBC_1966	ANTENNA	464503N 0265136E	1063/355	MARKED/LGTD R	
LRBC_1967	ANTENNA	464519N 0265119E	1074/352	MARKED/LGTD R	
LRBC_1968	ANTENNA	464516N 0265115E	1075/350	MARKED/LGTD R	
LRBC_1969	ANTENNA	464512N 0265112E	1070/348	MARKED/LGTD R	
LRBC_1970	ANTENNA	464508N 0265110E	1071/356	MARKED/LGTD R	
562_LRBV	ANTENNA	454522N 0253627E	2450/808	NIL	
563_LRBV	ANTENNA	454513N 0253625E	2451/810	NIL	
564_LRBV	ANTENNA	454510N 0253630E	2069/425	NIL	
612_LRBV	CHIMNEY	453944N 0253849E	2778/910	NIL	
546_LRBV	ANTENNA	452537N 0252906E	8501/332	NIL	
LRIA_1163	STACK	470857N 0273618E	460/328	Red lights	
LRIA_4198	STACK	470850N 0274301E	660/540	NIL	
LRIA_4248	ANTENNA	470510N 0273848E	1834/626	Red lights	
LRIA_4448	ANTENNA	471054N 0272723E	619/470	Red lights	
LRIA_4449	ANTENNA	471056N 0272728E	619/470	Red lights	
LRIA_4450	WINDMILL	465323N 0274005E	1562/484	Red lights	
LRIA_4451	WINDMILL	465323N 0273954E	1564/484	Red lights	
LRIA_4785	WINDMILL	471309N 0264834E	1588/673	Red lights	
LRIA_4786	WINDMILL	471331N 0264850E	1651/673	Red lights	
LRIA_4787	WINDMILL	471427N 0264832E	1690/673	Red lights	
LRIA_4788	WINDMILL	471501N 0264848E	1802/673	Red lights	
LRIA_4789	WINDMILL	471542N 0264842E	1898/673	Red lights	
LRIA_4790	WINDMILL	471550N 0264910E	1867/673	Red lights	
LRIA_4791	WINDMILL	471610N 0265056E	1837/673	Red lights	
LRIA_4792	WINDMILL	471630N 0265118E	1893/673	Red lights	
LRIA_4793	WINDMILL	471703N 0265022E	1869/673	Red lights	
LRIA_4794	WINDMILL	471725N 0265110E	1903/673	Red lights	
LRIA_4811	WINDMILL	464913N 0280413E	1061/489	Red lights	

1	2	3	4	5	6
LRIA_4812	WINDMILL	464856N 0280416E	1033/489	Red lights	
LRIA_4813	WINDMILL	464852N 0280446E	1061/489	Red lights	
LRIA_4814	WINDMILL	464848N 0280508E	1043/489	Red lights	
LRIA_4815	WINDMILL	464837N 0280448E	1006/489	Red lights	
LRIA_4816	WINDMILL	464832N 0280509E	1059/489	Red lights	
LRIA_4817	WINDMILL	464821N 0280503E	1008/489	Red lights	
LRIA_4818	WINDMILL	464820N 0280538E	1035/489	Red lights	NIL
LRIA_4819	WINDMILL	464807N 0280540E	1041/489	Red lights	
LRSM_260	ANTENNA	475115N 0225830E	856/446	Marked/ LGTD R	
LRSM_261	ANTENNA	475118N 0225824E	862/452	Marked/ LGTD R	
LRSM_286	ANTENNA	474719N 0225222E	745/339	NIL	
LRSV_7	ANTENNA	473945N 0260904E	2416/685	MARKED/LGTD R	
LRSV_31	STACK	473932N 0261613E	1571/659	MARKED/LGTD R	
LRSV_32	STACK	473906N 0261753E	1489/583	LGTD R	

AD 1.3 INDEX TO AERODROMES AND HELIPORTS

Aerodrom/heliport name Location indicator	Type of traffic permitted to use the aerodrome/heliport International - National (INTL-NTL)	IFR-VFR	S =Scheduled NS =Non-scheduled P = Private	Reference to AD section and remarks
1	2	3	4	5
Aerodromes				
ARAD/Arad LRAR	INTL - NTL	IFR - VFR	S - NS - P	AD 2.1
BACĂU/George Enescu LRBC	(INTL) - NTL	IFR - VFR	S - NS - P	AD 2.2
BAIA MARE/Maramureş LRBM	(INTL) - NTL	IFR - VFR	S - NS - P	AD 2.3
BUCUREŞTI/Băneasa-Aurel Vlaicu LRBS	INTL - NTL	IFR - VFR	S - NS - P	AD 2.4
BUCUREŞTI/Henri Coandă LROP	INTL - NTL	IFR - VFR	S - NS - P	AD 2.5
CARANSEBEŞ/Banat-Caransebeş LRCS	NTL	VFR	NS - P	AD 2.6
CLUJ NAPOCA/Avram Iancu LRCL	INTL - NTL	IFR - VFR	S - NS - P	AD 2.7
CONSTANŢA/Mihail Kogălniceanu-Constanţa LRCK	INTL - NTL	IFR - VFR	S - NS - P	AD 2.8
CRAIOVA/Craiova LRCV	(INTL) - NTL	IFR - VFR	S - NS - P	AD 2.9
IAŞI/Iaşi LRIA	INTL - NTL	IFR - VFR	S - NS - P	AD 2.10
ORADEA/Oradea LROD	(INTL) - NTL	IFR - VFR	S - NS - P	AD 2.11
SATU MARE/Satu Mare LRSM	(INTL) - NTL	IFR - VFR	S - NS - P	AD 2.12
SIBIU/Sibiu LRSB	INTL - NTL	IFR - VFR	S - NS - P	AD 2.13
SUCEAVA/Ştefan cel Mare-Suceava LRSV	(INTL) - NTL	IFR - VFR	S - NS - P	AD 2.14
TÂRGU-MUREŞ/Transilvania-Târgu Mureş LRTM	INTL - NTL	IFR - VFR	S - NS - P	AD 2.15
TIMIŞOARA/Traian Vuia LRTR	INTL - NTL	IFR - VFR	S - NS - P	AD 2.16
TULCEA/Delta Dunării Tulcea LRTC	(INTL) - NTL	IFR - VFR	NS - P	AD 2.17
CISNĂDIE/Măgura LRCD	NTL	VFR	P	AD 2.18
PLOIEŞTI/Gheorghe Valentin Bibescu-Ploieşti LRPW	NTL	VFR	NS - P	AD 2.19
TUZLA/Tuzla LRTZ	NTL	VFR	P	AD 2.20
BRAŞOV/Sânpetru LRSP	NTL	VFR	NS - P	AD 2.21
PITEŞTI/Geamăna LRPT	NTL	VFR	NS - P	AD 2.23
DEVA/Săuleşti-Constantin Manolache LRDV	NTL	VFR	NS - P	AD 2.24

Remarks: (INTL) - *opened to international traffic only in certain circumstances;*
- for details, see AD section for each aerodrome.

1	2	3	4	5
ARAD/Charlie-Bravo Şiria LRCB	NTL	VFR	NS - P	AD 2.25
BISTRIŢA/Bistriţa LRBN	NTL	VFR	NS - P	AD 2.26
GRĂDIŞTEA/Grădiştea LRBA	NTL	VFR	NS - P	AD 2.27
CLINCENI/Clinceni LRCN	NTL	VFR	NS - P	AD 2.28
BRAŞOV/Braşov-Ghimbav LRBV	INTL - NTL	IFR - VFR	S - NS - P	AD 2.29
DEZMIR/Dezmir LRCJ	NTL	VFR	NS - P	AD 2.30
GHEORGHENI/Remetea LRHR	NTL	VFR	NS - P	AD 2.31
CRAIOVA/Craiova-Sud LRCW	NTL	VFR	NS - P	AD 2.32
IAȘI/Iași-Sud LRIS	NTL	VFR	NS - P	AD 2.33
TÂRGU MUREȘ/Mureșeni LRMS	NTL	VFR	NS - P	AD 2.34
BRAȘOV/Corona LRCR	NTL	VFR	NS - P	AD 2.35
PIATRA NEAMȚ/Zănești-Neamț LRZN	NTL	VFR	P	AD 2.36
Remarks: (INTL) - *opened to international traffic only in certain circumstances;* *- for details, see AD section for each aerodrome.*				

1	2	3	4	5
Heliports				
GHIMBAV/IAR BRAŞOV LRBG	NTL	VFR	NS - P	AD 3.2
NĂVODARI//Midia-Constanţa LRMC	NTL	VFR	NS - P	AD 3.5
GHIMBAV/MIR AERO-Braşov LRMA	NTL	VFR	NS - P	AD 3.6
ORADEA/SMURD BH 2 LRHO	NTL	VFR	NS - P	AD 3.7
OŞORHEI/Dogaru LRDD	NTL	VFR	P	AD 3.8

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

Aerodrome name *Location indicator*	*Date of initial certification* *Data certificării iniţiale*	*Certificate validity* *Valabilitatea certificatului*	*Remarks* *Observaţii*
1	2	3	4
ARAD/Arad LRAR	15.04.2002	Unlimited	AD 2.1
ARAD/Charlie-Bravo Şiria 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/Maramureş LRBM	10.07.2002	Unlimited	AD 2.3
BISTRIŢA/Bistriţa LRBN	23.03.2017	Unlimited	AD 2.26
BRAŞOV/Braşov-Ghimbav LRBV	09.12.2022	Unlimited	AD 2.29
BUCUREŞTI/Băneasa-Aurel Vlaicu LRBS	15.07.2002	Unlimited	AD 2.4
BUCUREŞTI/Henri Coandă LROP	30.04.2002	Unlimited	AD 2.5 Civ / Mil
CARANSEBEŞ/Banat-Caransebeş 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
CONSTANŢA/Mihail Kogălniceanu-Constanţa LRCK	10.06.2002	Unlimited	AD 2.8 Civ / Mil
BRAȘOV/Corona LRCR	04.11.2022	Unlimited	AD 2.35
CRAIOVA/Craiova LRCV	25.04.2002	Unlimited	AD 2.9
CRAIOVA/Craiova-Sud LRCW	19.10.2011	Unlimited	AD 2.32
DEVA/Săuleşti-Constantin Manolache LRDV	13.10.2011	Unlimited	AD 2.24
DEZMIR/Dezmir LRCJ	04.01.2019	Unlimited	AD 2.30
GHEORGHENI/Remetea LRHR	26.04.2023	Unlimited	AD 2.31
GRĂDIŞTEA/Grădiştea LRBA	26.08.2019	Unlimited	AD 2.27
IAŞI/Iaşi LRIA	30.05.2002	Unlimited	AD 2.10
IAŞI/Iaşi-Sud LRIS	25.07.2011	Unlimited	AD 2.33
ORADEA/Oradea LROD	20.08.2002	Unlimited	AD 2.11
PIATRA NEAMȚ/Zăneşti-Neamţ LRZN	01.08.2022	Unlimited	AD 2.36
PITEŞTI/Geamăna LRPT	10.10.2011	Unlimited	AD 2.23
PLOIEŞTI/Gheorghe Valentin Bibescu - Ploieşti LRPW	26.07.2007	Unlimited	AD 2.19
SATU MARE/Satu Mare LRSM	10.07.2002	Unlimited	AD 2.12

Aerodrome name *Location indicator*	*Date of initial certification* *Data certificării iniţiale*	*Certificate validity* *Valabilitatea certificatului*	*Remarks* *Observaţii*
1	2	3	4
Sânmihaiu German LRSG	07.12.2023	Unlimited	Not published
SÂNPETRU/Sânpetru LRSP	22.02.2010	Unlimited	AD 2.21
SIBIU/Sibiu LRSB	30.07.2002	Unlimited	AD 2.13
SUCEAVA/Ştefan cel Mare-Suceava LRSV	01.09.2002	Unlimited	AD 2.14
TĂUŢII MĂGHERĂUŞ/Tăuţii-Măgherăuş LRMM	12.07.2016	Unlimited	Not published
TÂRGU MUREŞ/Mureşeni LRMS	26.05.2011	Unlimited	AD 2.34
TÂRGU MUREŞ/Transilvania-Târgu Mureş LRTM	20.06.2002	Unlimited	AD 2.15
TIMIŞOARA/Traian Vuia LRTR	01.10.2003	Unlimited	AD 2.16 Civ / Mil
TULCEA/Delta Dunării Tulcea LRTC	03.10.2002	Unlimited	AD 2.17
TUZLA/Tuzla LRTZ	15.11.2004	Unlimited	AD 2.20

Heliport name *Location indicator*	*Date of initial certification* *Data certificării iniţiale*	*Certificate validity* *Valabilitatea certificatului*	*Remarks* *Observaţii*
1	2	3	4
BALC/Complex Vânătoare Fagu-Balc LRFB	07.08.2012	Unlimited	Not published
BUCUREŞTI/Spitalul Universitar de Urgenţă (SUUB)	03.12.2019	25.11.2024	Not published
BUCUREŞTI/West Gate LRWG	30.06.2014	20.07.2024	Not published
CONSTANŢA/Punct de Operare Aeromedicală SMURD LRCH	07.03.2016	Unlimited	Not published
GHIMBAV/IAR BRAŞOV LRBG	17.06.2009	15.12.2024	AD 3.2
GHIMBAV/MIR AERO-Braşov LRMA	26.10.2017	Unlimited	AD 3.6
Heliportul Spitalului Judeţean de Urgenţă Bistriţa - SMURD BN 1	16.08.2021	16.08.2024	Not published
Heliplatforma ANA	07.03.2022	10.09.2025	Not published
Heliportul Spitalului Judeţean de Urgenţă Miercurea Ciuc - SMURD HR 1	02.09.2022	Unlimited	Not published
Heliportul Spitalului Judeţean de Urgenţă Bacău - SMURD BC 1	03.11.2022	Unlimited	Not published
Heliportul SMURD SV 1	08.02.2024	Unlimited	Not published
MOARA VLĂSIEI/Moara Vlăsiei-Becker LRBK	03.07.2002	01.09.2024	Not published
NĂVODARI/Midia-Constanţa LRMC	11.12.2014	Unlimited	AD 3.5

LRBC AD 2.1 AERODROME LOCATION INDICATOR AND NAME

LRBC - BACĂU / George Enescu

LRBC AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP coordinates and site at AD*	463119N 0265437E Runway center.
2	*Direction and distance from city*	5 km South from Bacău
3	*Elevation//Reference temperature/ Mean low temperature*	608 FT / 30.1°C / -16.2°C
4	*Geoid undulation at AD ELEV PSN*	109 FT
5	*MAG VAR/ Annual rate of change*	7°E (2020) / 6.6'E
6	*AD operator, address, telephone, telefax, e-mail, AFS, website*	Aeroportul Internaţional George Enescu Bacău Tel: +40-(0)234-552484 Fax: +40-(0)234-575366 AFS: LRBCRAYD SITA: BCMAPXH e-mail: office@bacauairport.ro dispatch@bacauairport.ro web: www.bacauairport.ro
7	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
8	*Remarks*	NIL

LRBC AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	H24
2	*Customs and immigration*	As AD Operator
3	*Health and sanitation*	As AD Operator
4	*AIS Briefing Office*	H24, see GEN 3.1-5
5	*ATS Reporting Office (ARO)*	H24, see ENR 1.10-2
6	*MET Briefing Office*	H24
7	*ATS*	H24
8	*Fuelling*	As AD Operator
9	*Handling*	As AD Operator
10	*Security*	H24
11	*De-icing*	As AD Operator
12	*Remarks*	NIL

LRBC AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	1 electric tractor, 1 diesel tractor, 6 dollies, 2 GPU 115V/400Hz/28Vcc, 1 air start unit, 1 self-propelled potable water service, 1 self-propelled lavatory water service, 2 self-propelled conveyor belt vehicles, 1 fork lift, 4 towed passenger stairs one with PRM chair, 2 passenger buses, 2 crew/passenger minibuses, 1 B737/A320 tow bar, 1 pushback tractor for aircraft MTOW < 130T, 1 towed cabin heater.
2	*Fuel/Oil types*	Jet A1 kerosene / NIL
3	*Fuelling facilities/capacity*	Jet A1: 2 refueling trucks x 18.000l , storage 100m^3
4	*De-icing facilities*	2 de-icing units with fluid type I and type II
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	On request BOEING 737 & AIRBUS 320 families
7	*Remarks*	NIL

LRBC AD 2.5 PASSENGER FACILITIES

1	*Hotels*	In the city.
2	*Restaurants*	Snack bar on the airport, restaurants in the city.
3	*Transportation*	City buses at 400m from the terminal, taxis from the terminal.
4	*Medical facilities*	First aid on the AD, hospitals in the city.
5	*Bank and Post Office*	ATM in the terminal, Post Office in the city.
6	*Tourist Office*	In the airport.
7	*Remarks*	Other facilities: duty free shops, exchange office, rent a car. Large car parking lot next to the terminal.

LRBC AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	Within AD HR: CAT 7.
2	*Rescue equipment*	Holmatro rescue equipment
3	*Capability for removal of disabled aircraft*	Cranes AVBL via contractor. Local Action Coordinator: +40-(0)756-208222 - for substitute: +40-(0)756-208228 e-mail: dispatch@bacauairport.ro
4	*Remarks*	NIL

LRBC AD 2.7 RUNWAY SURFACE CONDITION ASSESSMENT AND REPORTING, AND SNOW PLAN

1	*Types of clearing equipment*	2 combine equipment with plow and sweeper/blower,1 snowblower, 1 sprayer for ground deicing fluid.
2	*Clearance priorities*	1. RWY 16/34 2. TWY D 3. TWY F 4. APRON 5. TWY C
3	*Use of material for movement area surface treatment*	Runway deicing liquid used for RWY, TWYs and Apron de-icing is based on potassium acetate fluid KAC).
4	*Specially prepared winter runways*	NIL
5	*Remarks*	Information on snow clearance published in NOTAM (SNOWTAM). See also the snow plan in section AD 1.2. Designated authority to co-ordinate information about the current state of progress of snow clearance operations and the conditions of the movement area is the Airport Authority: TEL: +40-(0)234-552 484 FAX: +40-(0)234-575 366

LRBC AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	*Apron designation, surface and strength*	Surface: Strength:	Concrete 56/R/A/W/T		
2	*Taxiway designation, width, surface and strength*		TWY A, E	TWY B	TWY C, D, F
		Width:	18 M	16 M	23 M
		Surface:	Concrete	Concrete	Asphalt
		Strength:	17/R/C/W/T	17/R/C/W/T	67/F/B/W/T
3	*ACL location and elevation*	NIL			
4	*VOR checkpoints*	NIL			
5	*INS checkpoints*	See AD 2.2-22			
6	*Remarks*	TWY A, B, E for state/military aircraft only.			

LRBC AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	*Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands*	Aircraft stand ID signs: 01L, 01, 01R, 02, 03, 04, 05, 06. TWY guide lines: provided for TWY A, B, C, D, E, F. Visual docking guidance system of aircraft stands: NIL. Visual parking guidance system of aircraft stands: aircraft stand markings and aircraft stand maneuvering guidance lights.
2	*RWY and TWY markings and LGT*	RWY: - markings: designation, THR, TDZ, aiming point, centre line, edge lines. - lights:THR, centre line, TDZ, edge, END. TWY A, B: - markings: centre line, enhanced centre line, edge lines, holding position, mandatory instructions markings, information markings. - lights: edge, guard lights. TWY C, D: - markings: centre line, edge line, holding position, mandatory instructions markings. - lights: centre line, edge, guard lights. TWY E: - markings: centre line, edge line, information markings. - lights: edge. TWY F: - markings: centre line, edge line on West side. - lights: centre line, edge on West side.
3	*Stop bars*	TWY A, B, C, D: Stop bars (permanently lighted red) and runway guard lights at holding position.
4	*Other runway protection measures*	Mandatory instruction signs on TWY A, B, C, D.
5	*Remarks*	TURN PAD END 16 - markings: centre line, edge line. - lights: centre line, edge.

LRBM AD 2.1 AERODROME LOCATION INDICATOR AND NAME
LRBM - BAIA MARE / Maramureș

LRBM AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP coordinates and site at AD*	473930N 0232758E, 099° GEO / 1250 M from THR 09
2	*Direction and distance from (city)*	279° GEO / 10 km from Baia Mare
3	*Elevation/Reference temperature/mean low temperature*	606 FT / 29.8°C / -13.0°C
4	*Geoid undulation at AD ELEV PSN*	130 FT
5	*MAG VAR/ Annual change*	6° E (2020) / 7.2' E
6	*AD Operator, address, telephone, telefax, e-mail, AFS, website*	AEROPORTUL INTERNAȚIONAL MARAMUREȘ R.A., Str. 66, Nr. 22, Tăuții Măgherăuș, jud. Maramureș, cod poștal 437345 Tel: +40-(0)770-431771 Tel: +40-(0)262-293444 Fax: +40-(0)262-223394 E-mail: office@aimm.eu. Alternate: ground@aimm.eu AFS: LRBMRAYD Web: www.aimm.eu
7	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
8	*Remarks*	Telephone numbers are available during LRBM AD operational hours only. For operations out of operational hours, contact e-mail: ground@aimm.eu.

LRBM AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	MON-FRI W: 0500-1700, S: 0400-1600; SUN W: 0930-1330, S: 0830-1230.
2	*Customs and immigration*	As AD Operator
3	*Health and sanitation*	As AD Operator
4	*AIS Briefing Office*	As AD Operator (See GEN 3.1-5)
5	*ATS Reporting Office (ARO)*	As AD Operator (See ENR 1.10-3)
6	*MET Briefing Office*	As AD Operator
7	*ATS*	W: 0500-1700; S: 0400-1600
8	*Fuelling*	As AD Operator
9	*Handling*	As AD Operator
10	*Security*	As AD Operator
11	*De-icing*	As AD Operator
12	*Remarks*	Outside the operational hours of the AD, services listed above are available O/R, submitted to the AD and approved with at least 24 hours in advance.

LRBM AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	6 electric tractors, 26 baggage trailers, 1 air start unit, 1 air conditioning unit, 4 self-propelled passenger stairs, 4 self-propelled conveyorbelts, 3 mobile GPU 115/200V-400HZ and 28V, 1 lavatory service trailer, 1 potable-water trailer, 1 airport passenger/crew minibus, 1 lower deck loader, 2 ULD container dollies.
2	*Fuel/oil types*	JET A1 / NIL
3	*Fuelling facilities/capacity*	1 refueling truck 25000 litres, 22 litres/second
4	*De-icing facilities*	2 de-icing units with heated water, heated SAE Type I fluid/water mixture and unheated SAE Type II fluid.
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	For details regarding refuelling and fuel rate contact fuel provider at phone no. +40-(0)757-031166.

LRBM AD 2.5 PASSENGER FACILITIES

1	*Hotels*	In the city and neighborhood.
2	*Restaurants*	Snack bar on the airport, restaurants in the city and neighborhood.
3	*Transportation*	Taxis from the AD.
4	*Medical facilities*	1 ambulance on the airport, 1 first aid room on the airport, hospitals in the city.
5	*Bank and Post Office*	Banks and Post Offices in the city.
6	*Tourist Office*	Office in the city. Tel: +40-(0)262-206113; Fax: +40-(0)262-206114; email: office@visitmaramures.ro; www.visitmaramures.ro.
7	*Remarks*	NIL

LRBM AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	Within AD HR: CAT 7.
2	*Rescue equipment*	Rescue/cut-in equipment: 1 electrical portable rescue equipment, 1 powered rescue saw, 1 oscillating saw; Ladders: 3 extension rescue ladders; Rescue tool box: 1 set.
3	*Capability for removal of disabled aircraft*	Maximum removal capability: code letter A aircraft, wingspan < 15 m. Local Action Coordinator: +40-744-570731 (available 24/7) Substitute: +40-770-431771 (available as AD Operator) e-mail: ground@aimm.eu
4	*Remarks*	NIL

LRBM AD 2.7 RUNWAY SURFACE CONDITION ASSESMENT AND REPORTING, AND SNOW PLAN

1	*Types of clearing equipment*	2 snow blower, 1 tractor with blade, 2 snow plough with jet sweeper, 1 multi-function snow-clearing equipment with snow-blower, blade, sweeper and RWY deicing sprayer with liquid, 1 truck with RWY deicing sprayer with liquid and solid mixture.
2	*Clearance priorities*	1. RWY 09/27 and associated TWY to Apron 2. Apron
3	*Use of material for movement area surface tratment*	Runway de-icer liquid used for RWY, TWYs and Apron de-icing is based on potassium formate (KFOR). Runway de-icer solid used for RWY, TWYs and Apron de-icing is based on sodium formate (NAFO).
4	*Specially prepared winter runways*	NIL
5	*Remarks*	Information on snow clearance is based of Runway Condition Report (RCR) and published in NOTAM (SNOWTAM) with respect of Global Reporting Format (GRF) method. The RCR is continuously updated and forwarded to air traffic services and to aeronautical information services for transmission to the flight crew by SNOWTAM and radio broadcast. See also the snow plan in section AD 1.2.2.

LRBM AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	*Apron designation, surface and strength*	Designation: Surface: Strength:	APRON Concrete 59/R/D/W/T		
2	*Taxiway designation, width, surface and strength*	Designation: Width: Surface: Strength:	TWY A 18 M Asphalt 59/R/D/W/T	TWY B 18 M Asphalt 59/R/D/W/T	TWY C 18 M Concrete 60/R/D/W/T
3	*Altimeter checkpoint location and elevation*	Location: Elevation:	APRON 597FT(182M)		
4	*VOR checkpoints*	NIL			
5	*INS checkpoints*	See AD 2.3-22			
6	*Remarks*	INS points represent COCKPIT STOP POSITION of parked aircraft. TWY C is an apron taxiway.			

LRBM AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	*Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands*	Aircraft stand ID signs: NIL. TWY guide lines: provided for TWY A,B,C. Visual docking guidance system of aircraft stands: NIL. Visual parking guidance system of aircraft stands: aircraft stand markings and aircraft stand maneuvering guidance lights.
2	*RWY and TWY markings and LGT*	RWY: Designation, aiming point, marked. THR, TDZ, centre line, edge line, runway end, marked and lighted. TWY A, B: Enhanced centre line, marked; Centre line, edge lines, holding position, marked and lighted. TWY C: Centre line, edge line South, marked and lighted.
3	*Stop bars*	TWY A, B: Stop bars and runway guard lights at holding position. TWY A, B: Mandatory instruction marking at holding positions, enhanced taxiway centre line marking.
4	*Remarks*	Aircraft must follow stand guidelines with COCKPIT OVER THE CENTER LINE.

LRBM AD 2.23 ADDITIONAL INFORMATION

There may be concentrations of birds on or near Maramures International Airport LRBM - Baia Mare.	Pot exista concentrații de păsări pe sau în apropierea Aeroportului Internațional Maramureș LRBM - Baia Mare.
Birds fly from the resting area (E of the airport) accross the runway to their feeding area near the river (W of the airport).	Păsările se deplasează în zbor din zona de odihnă (est față de aeroport) peste pistă, spre zona lor de hrănire aflată lângă râu (vest față de aeroport).
The lands are used by birds especially in spring and autumn. Height varies from 0 - 1500 ft (0 - 450 m) AGL.	Terenurile sunt folosite de păsări în special primăvara și toamna. Înălțimea zborului variază între 0 - 1500 ft (0 - 450 m) de la nivelul solului AGL.
The directions of movement of the birds are represented on chart AD 2.3-46 LRBM.	Direcțiile de deplasare ale păsărilor sunt reprezentate pe harta AD 2.3-46 LRBM.
As far as practicable, aerodrome control will inform pilots of this bird activity and the estimated heights AGL.	Pe cât posibil, turnul de control va informa piloții cu privire la activitatea păsărilor și înălțimea AGL de zbor a acestora.
During the above periods pilots of aircraft are advised to be careful when taking off and while approaching for landing and, where the design limitations of aircraft instalations permit, to operate landing lights in flight, within the terminal area and during take-off, approach-to-land and climb and descent procedures.	În perioadele sus-menționate piloții aeronavelor sunt rugați să fie foarte atenți în timpul decolării și în timpul zborului de apropiere pentru aterizare și în plus, dacă instalațiile aeronavei o permit, să utilizeze luminile de aterizare în timpul zborului, în zonele de apropiere finală, de decolare și de apropiere, precum și la procedurile de urcare și de coborâre.
Dispersal activities include occasional playing back of distress calls from tape together with firing of shell crackers, supplemented by the use of electronic propane gas cannon.	Activitățile de dispersie includ emiterea ocazională de sunete de pericol ale păsărilor înregistrate pe bandă, detonarea de petarde inclusiv efectuarea de trageri cu tunul electronic cu gaz propan.

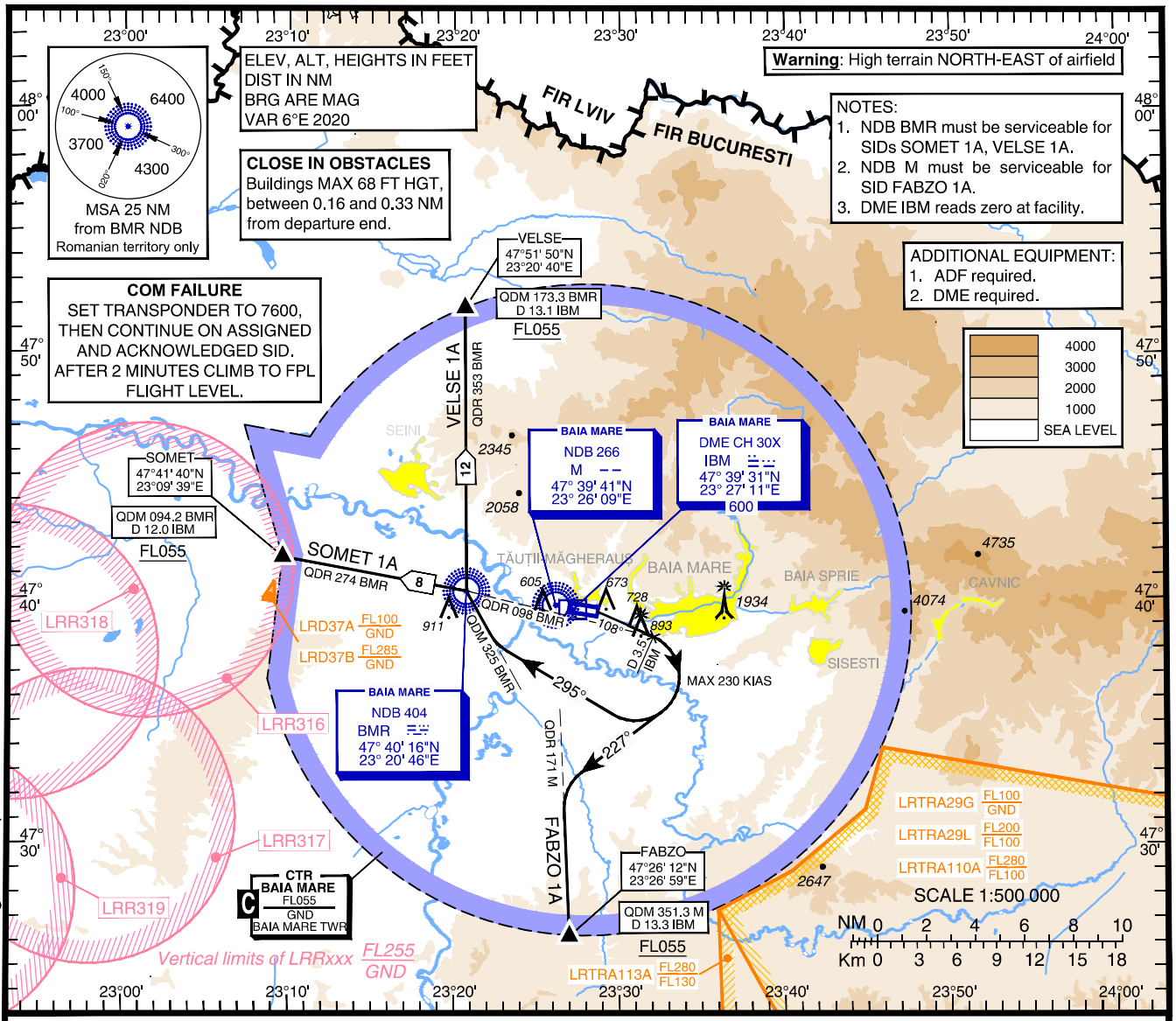
LRBM AD 2.24 CHARTS RELATED TO THE AERODROME

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

Transition Altitude
4000

TWR BAIA MARE	118.855	SECTOR: NAPOC	119.665
TWR BAIA MARE ALTN	118.100	NAPOC	127.075
TWR SATU MARE	119.655	NAPOC ALTN	128.835
TWR SATU MARE ALTN	118.800	NAPOC ALTN	125.725

BAIA MARE / Maramureş (LRBM)
RWY 09
FABZO 1A, SOMET 1A, VELSE 1A



Changes: New procedure.

DESIGNATOR	DEPARTURE ROUTE AND LEVEL INSTRUCTIONS / REMARKS
FABZO 1A	Climb on track 108° to D 3.5 IBM. Turn RIGHT on track 227° to intercept QDR 171 M to FABZO. Cross FABZO at or above FL055 (1). Departure turn limited to MAX 230 KIAS. PDG min 5.3% due to obstacles until 1300ft. (1) ATS climb gradient: 5.7% up to FABZO due to airspace restriction. Advise ATC if unable to ensure the ATS climb gradient.
SOMET 1A	Climb on track 108° to D 3.5 IBM. Turn RIGHT on track 295° to intercept QDM 325 BMR to BMR NDB. Continue on QDR 274 BMR to SOMET. Cross SOMET at or above FL055 (1). Departure turns limited to MAX 230 KIAS. PDG min 5.3% due to obstacles until 1300ft. (1) ATS climb gradient: 4.8% up to SOMET due to airspace restriction. Advise ATC if unable to ensure the ATS climb gradient.
VELSE 1A	Climb on track 108° to D 3.5 IBM. Turn RIGHT on track 295° to intercept QDM 325 BMR to BMR NDB. Continue on QDR 353 BMR to VELSE. Cross VELSE at or above FL055 (1). Departure turns limited to MAX 230 KIAS. PDG min 5.3% due to obstacles until 1300ft. (1) ATS climb gradient: 3.9% up to VELSE due to airspace restriction. Advise ATC if unable to ensure the ATS climb gradient.

BAIA MARE / Maramureș (LRBM)
SID RWY 09

AERONAUTICAL DATA TABULATION

SID 1A RWY 09	
Waypoint Identifier	**Coordinates**
DER 09	47°39'25.13" N 023°28'40.51" E
D 3.5 IBM	47°38'24.2" N 023°32'03.3" E
FABZO (QDM 351.3 M / D 13.3 IBM)	47°26'12.0" N 023°26'59.0" E
SOMET (QDM 094.2 BMR / D 12.0 IBM)	47°41'40.0" N 023°09'39.0" E
VELSE (QDM 173.3 BMR / D 13.1 IBM)	47°51'50.0" N 023°20'40.0" E
BMR NDB	47°40'16.4" N 023°20'45.5" E
M NDB	47°39'41.3" N 023°26'09.3" E
IBM DME	47°39'30.7" N 023°27'11.0" E

DEPARTURE SEQUENCE SID 1A

Leg	Nominal Length [NM]	True Track [°]	Magnetic Track [°]
FABZO 1A			
DER 09 – D 3.5 IBM	2.50	114.00	107.64
D 3.5 IBM – FABZO	14.87	177.63	171.27 FROM M NDB
SOMET 1A			
DER 09 – D 3.5 IBM	2.50	114.00	107.64
D 3.5 IBM – BMR NDB	14.45	331.22	324.86 TO BMR NDB
BMR NDB – SOMET	7.63	280.46	274.10 FROM BMR NDB
VELSE 1A			
DER 09 – D 3.5 IBM	2.50	114.00	107.64
D 3.5 IBM – BMR NDB	14.45	331.22	324.86 TO BMR NDB
BMR NDB – VELSE	11.57	359.70	353.34 FROM BMR NDB

LROP AD 2.1 AERODROME LOCATION INDICATOR AND NAME
LROP - BUCUREŞTI / 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 Bucureşti
3	*Elevation /Reference temperature/Mean low temperature*	314 FT / 32.5°C / -10.2°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 Bucureşti/Henri Coandă Calea Bucureşti 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: Adress: 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 neccesary. 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^3 in-line Additiving Skid; - NATO Code F34 - Additive in stock for 2600 m^3 - Kerosene JET A1 - 2800 m^3 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 equiped 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*		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)	92/R/D/W/T (stands 201-206) 65/R/D/W/T (stands 207-224)	24/R/D/W/T
2	*Taxiway designation, width, surface and strength*	TWY:			
		Width:	23 M (A, B, D, E, N, Q, P, S, V, W) and 24 M (G).		
		Surface:	Asphalt (A, D, G, N, Q, P, S, V, W) and concrete (B, E).		
		Strength:	56/R/D/W/T(A), 59/R/D/W/T(B, G), 84/F/D/W/T(D), 57/R/D/W/T(E), 92/R/D/W/T(N, P, Q, V, W), 67/R/D/W/T(S).		
		Apron TWY:			
		Width:	18 M (C, U), 23 M (J, K, M, P-between C and C1).		
		Surface:	Asphalt (C) and concrete (J, K, M, P-between C and C1, U).		
		Strength:	65/R/D/W/T(C, U), 45/R/D/W/T(J), 57/R/D/W/T(K, M), 92/R/D/W/T (P-between C and C1).		
		Aircraft stand taxilane:			
		Width:	18 M (C1, T), 23 M (L).		
		Surface:	Concrete (C1, L, T).		
		Strength:	92/R/D/W/T (C1 between 204-206), 65/R/D/W/T (C1 between 207-224), 57/R/D/W/T(L), 24/R/D/W/T(T).		
3	*ACL location and elevation*	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*	1. RWY turn pad	Location:	THR 26L	
			Surface:	Asphalt	
			Dimensions:	33.7 M x 72 M	
			Strength:	42/R/D/W/T	
		2. For details on MIL TWYs R, H, F see MIL AIP, AD section.			

LROP AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	*Dimensions of RWY (M)*	*Strength (PCN) and surface of RWY and SWY*	*THR coord RWY end coord THR geoid undulation*	*THR elevation and highest elevation of TDZ of precision APP RWY*	*Slope of RWY-SWY*
1	2	3	4	5	6	7
08R	083.94°	3501 x 45	69/R/D/W/T Asphalt	443352.78N 0260436.29E 443404.71N 0260713.82E GUND 114 FT	THR 314.0 FT TDZ 313.6 FT	0% (1751M) -0.16% (1750M)
26L	263.97°	3501 x 45	69/R/D/W/T Asphalt	443404.69N 0260713.54E 443352.76N 0260436.06E GUND 114 FT	THR 303.0 FT TDZ 303.5 FT	0.16% (1750M) 0% (1751M)
08L	083.94°	3499 x 45	93/R/D/W/T Asphalt	443435.84N 0260502.76E 443447.75N 0260740.23E GUND 114 FT	THR 313.8 FT TDZ 313.8 FT	-0,2% (145M) -0,1% (2238M) -0,3% (488M) 0,3% (355M) -0,3% (273M)
26R	263.97°	3499 x 45	93/R/D/W/T Asphalt	443447.73N 0260739.95E 443435.82N 0260502.49E GUND 114 FT	THR 303.6 FT TDZ 305.6 FT	0,3 % (273M) -0,3 % (355M) 0,3 % (488M) 0,1 % (2238M) 0,2 % (145M)

SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	RESA dimensions *(M)*	Location and description of ARST system	OFZ	Remarks
8	9	10	11	12	13	14
NIL	260 x 205	3621 x 300	240 x 300	NIL	YES	RWY Shoulders: 7.5m on each side.
NIL	320 x 205	3621 x 300	240 x 300	NIL	YES	RWY Shoulders: 7.5m on each side.
NIL	250 x 225	3619 x 300	240 x 300	NIL	YES	RWY Shoulders: 7.5m on each side.
NIL	373 x 225	3619 x 300	240 x 300	NIL	YES	RWY Shoulders: 7.5m on each side.

LROP AD 2.13 DECLARED DISTANCES

RWY designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	2	3	4	5	6
08R	3501	3761	3501	3495	NIL
26L	3501	3821	3501	3494	NIL
08L	3499	3749	3499	3493	NIL
26R	3499	3872	3499	3493	NIL

REDUCED DECLARED DISTANCES

RWY designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*Remarks*
1	2	3	4	6
08R “TWY G”	2764	3024	2764	NIL
08R “TWY H” for MIL/state aircraft only	2764	3024	2764	NIL
26L “TWY D”	2489	2809	2489	NIL
08R ”TWY F” for MIL/state aircraft only	2326	2586	2326	NIL

LROP AD 2.14 APPROACH AND RWY LIGHTING

RWY Designator	*APCH LGT type LEN INTST*	*THR LGT colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT LEN*	*RWY Centre Line LGT Length, spacing, colour, INTST*	*RWY edge LGT LEN, spacing, colour, INTST*	*RWY End LGT colour WBAR*	*SWY LGT LEN (M) colour*	*Remarks*
1	2	3	4	5	6	7	8	9	10
08R	ALSF-II 900 M	Green	PAPI 2.7° (64 FT)	White, 900 M	2600 M, 15 M, white, LIH; 600 M, 15 M, white/red, LIH; 300 M, 15 M, red, LIH.	2900 M, 60 M, white, LIH; 600 M, 60 M, yellow, LIH.	Red	NIL	Turn pad lights
26L	CAT I 900 M, LIH	Green	PAPI 2.7° (66 FT)	NIL	2600 M, 15 M, white, LIH; 600 M, 15 M, white/red, LIH; 300 M, 15 M, red, LIH.	2900 M, 60 M, white, LIH; 600 M, 60 M, yellow, LIH.	Red	NIL	NIL
08L	ALSF-II 900 M	Green	PAPI 3° (55 FT*)	White, 900 M	2600 M, 15 M, white, LIH; 600 M, 15 M, white/red, LIH; 300 M, 15 M, red, LIH.	2900 M, 60 M, white, LIH; 600 M, 60 M, yellow, LIH.	Red	NIL	Rapid exit taxiway indicator lights installed for RET W and V
26R	ALSF-II 900 M, LIH	Green	PAPI 3° (53 FT*)	White, 900 M	2600 M, 15 M, white, LIH; 600 M, 15 M, white/red, LIH; 300 M, 15 M, red, LIH.	2900 M, 60 M, white, LIH; 600 M, 60 M, yellow, LIH.	Red	NIL	

***** For eye to wheel HGT of ACFT in APCH configuration with more than 10.5 M check wheel clearence. / Pentru aeronavele care în configurație de aterizare au distanța dintre ochii pilotului și roți, mai mare de 10.5 M, trebuie verificată distanța de la roți la sol.

LROP 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: Blue edge lights are installed on TWY A, B, G, ~~N~~, S, lights at around 6 m from TWY edge. Centre line lights: green on TWY A, B, D, E, G, N, P, Q, S, V, W. ~~LED lights on TWY Q, P, V, W.~~ Distance between center line lights on TWY is 30m. Exit taxiway centre line lights: yellow/green. Intermediate holding position lights (IHPL), yellow lights at intersection TWY P/D/C and yellow LED lights at intersection of TWY's N/Q, P/Q/W, Q/V, P/T, N/C/G/E, TWY P/C1, TWY U/C and TWY U/C1. At all TWY intersection with RWY are installed RWY guard lights (LIH) Apron TWY lights: TWY C, P - between C and C1, U - green. TWY J,K,M – No center line lights. Aircraft stand taxilane: TWY C1 and L centre line lights: green.
4	*Secondary power supply/switch-over time*	Secondary power supply to all lighting on RWY's and TWY's, max. switch-over time 1 s.
5	*Remarks*	Aircraft stand lights: 131-134 stands centre line yellow lights and red lights for stop position. 201-224 and alternative stands 201R/L, 202R/L, 203R/L stand centerline LED yellow lights and red lights for stop position.

LROP AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO* *Geoid undulation*	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

LROP AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	OTOPENI CTR 444651N 0260448E - 444050N 0262233E - 443409N 0262442E - 443005N 0255635E - 443123N 0254558E - 443726N 0254443E - 444651N 0260448E
2	*Vertical limits*	SFC to 2000 FT (600 M) AMSL
3	*Airspace classification*	C
4	*ATS unit call sign* *Language(s)*	Otopeni Tower English
5	*Transition altitude*	4000 FT (1200 M) AMSL
6	*Hours of applicability*	As ATS
7	*Remarks*	NIL

LROP 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	Otopeni Tower	118.805 120.900 ALTN 121.500 EMERG	NIL	NIL	H24	Exempted 8.33 kHz State aircraft.
TWR	Otopeni Ground	121.855 121.700 ALTN	NIL	NIL	H24	Exempted 8.33 kHz State aircraft.
TWR	Otopeni Clearance Delivery	121.955 121.700 ALTN	NIL	NIL	H24	Exempted 8.33 kHz State aircraft.
APP/SRE	Bucureşti Approach	119.415 120.600 ALTN	NIL	NIL	H24	NIL
	Bucureşti Director	127.155 120.600 ALTN	NIL	NIL	HX	At ATC instruction only. For ARR TFC below FL065 and above 2000 FT AMSL
ATIS	Otopeni ATIS	118.500 MHz	NIL	NIL	H24	NIL

LROP 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
LOC 08R (5°E/2010) ILS CAT III (III.E.4)	IOP	110.300 MHz	H24	443406.4N 0260736.0E	-	NIL	Front course angle 3.06°
GP 08R	-	335.000 MHz	H24	443349.7N 0260452.8E	-	NIL	GP Angle 2.7°, ILS RDH 50 FT
DME 08R	IOP	1001.000 MHz CH 40X	H24	443349.7N 0260452.8E	400 FT	NIL	Collocated with GP 08R antenna
NDB(LO)	OPW	267.5 KHz	H24	443327.9N 0255904.7E	-	NIL	260°MAG/3.97NM from THR 08R
LOC 26L (5°E/2010) ILS CAT I (III.E.4)	IOE	109.100 MHz	H24	443351.2N 0260415.4E	-	NIL	Front course angle 3.02°
GP 26L	-	331.400 MHz	H24	443359.6N 0260658.9E	-	NIL	GP Angle 2.7°, ILS RDH 49FT (15M)
DME 26L	IOE	989.000 MHz CH 28X	H24	443359.6N 0260658.9E	400 FT	NIL	Collocated with GP 26L antenna

1	2	3	4	5	6	7	8
NDB(LO)	OPE	349 KHz	H24	443429.2N 0261240.5E	-	NIL	080°MAG/3.91 NM from THR 26L
LOC 08L (5°E/2010) ILS CAT II (III.E.4)	ILL	110.900 MHz	H24	443449.0N 0260756.8E	-	NIL	Front course angle 3.18°
GP 08L	-	330.800 MHz	H24	443440.9N 0260515.9E	-	NIL	GP Angle 3°, ILS RDH 50 FT
DME 08L	ILL	1007 MHz CH 46X	H24	443440.9N 0260515.9E	400 FT	NIL	Collocated with GP 08L antenna
LOC 26R (5°E/2010) ILS CAT I (III.E.4)	IRR	110.700 MHz	H24	443434.4N 0260444.4E	-	NIL	Front course angle 3.14°
GP 26R	-	330.200 MHz	H24	443450.3N 0260726.0E	-	NIL	GP Angle 3°, ILS RDH 53 FT
DME 26R	IRR	1005.000 MHz CH 44X	H24	443450.5N 0260725.8E	400 FT	NIL	NIL
NDB(LO)	OTL	370 KHz	H24	443412.9N 0260002.2E	-	NIL	260°MAG/3.60 NM from THR 08L
LM	LL	659 KHz	H24	443432.5N 0260419.0E	-	NIL	260°MAG/0.51 NM from THR 08L
NDB(LO)	OTR	318 KHz	H24	443516.8N 0261407.3E	-	NIL	080°MAG/4.60 NM from THR 26R
VOR/DME (5ºE/2010)	FLR	112.200 MHz CH 59X	H24	443003.1N 0254229.4E	400 FT	NIL	Coverage 150 NM (assumed)
DVOR/DME (5ºE/2010)	OPT	117.100 MHz CH 118X	H24	443532.6N 0263336.6E	300 FT	NIL	Coverage 80 NM (assumed)
DVOR/DME (5ºE/2010)	STJ	113.200 MHz CH 79X	H24	445506.8N 0255837.3E	600 FT	NIL	Coverage 80 NM (assumed)
DME	COM	1069.000MHz CH 45X	H24	441032.9N 0260858.7E	400 FT	NIL	Coverage 100 NM (assumed)
DME	ISA	1129.000MHz CH 105Y	H24	450709.1N 0263235.2E	2500 FT	NIL	Coverage 100 NM (assumed)
DME	PMT	1118.000MHz CH 94X	H24	444637.8N 0252308.4E	900 FT	NIL	Coverage 100 NM (assumed)

LROP AD 2.20 LOCAL AERODROME REGULATIONS / REGLEMENTĂRI DE AERODROM LOCALE

1. Airport regulations / Reglementări de aeroport

1.1. Taxiing of Aircraft on the Apron

On LROP the following taxiway are classified as Aircraft stand taxi lanes and apron taxiways:

C: EASA Code C - apron Taxiway
J: EASA Code D - apron Taxiway
K: EASA Code D - apron Taxiway
M: EASA Code E - apron Taxiway
P between TWY C and C1: EASA Code E - apron Taxiway
U: EASA Code C - apron taxiway
C1: EASA Code C - aircraft stand taxilane - only aircraft taxiing for exit from stands 204-224
L: EASA Code C - aircraft stand taxilane
T: EASA Code C - aircraft stand taxilanes

On these aircraft stand taxilanes, reduced wing-tip clearances of at least 4.5 m from obstacles have been defined for aircraft of EASA code A, B, C and 7.5 m for aircraft of EASA code D, E and F.
Because of distances from obstacles, the yellow taxi guide lines shall be strictly observed on the apron taxiways and on aircraft stand taxilanes. Taxi speed shall be adjusted accordingly.
Aircraft are permitted to taxi on the apron without guidance by a follow-me car only if permanent radio contact with Otopeni Ground can be maintained during the entire taxiing maneuver. If Otopeni Ground advises a follow-me car to guide a taxiing aircraft, the pilot shall adhere to its signals. If the pilot prefers guidance by a follow-me car for a taxiing maneuver, he may request one from Otopeni Ground. Follow-me cars are identifiable by a functioning lighting signals ramp (Follow Me) and orange omni-directional light/flashing light.

On the aprons aircraft are permitted to taxi only at the indispensable minimum engine thrust.
When taxiing into aircraft stands, aircraft shall generally not stop in curves between the centerlines of apron taxiways or aircraft stand taxi lanes and the centerlines of aircraft stands so as to avoid the further appliance of break-away power.
Aircraft taxiing for exit from 204-224 shall generally not stop in curves, so as to avoid the further appliance of breakaway power.

1.1 Rularea aeronavelor pe platformă

Pe LROP următoarele căi de rulare sunt clasificate ca și căi de rulare de platformă (apron Taxiway) sau căi de rulare de acces la pozițiile de staționare (aircraft stand taxilane):

C: EASA Code C - apron Taxiway
J: EASA Code D - apron Taxiway
K: EASA Code D - apron Taxiway
M: EASA Code E - apron Taxiway
P between TWY C and C1: EASA Code E - apron Taxiway
U: EASA Code C - apron taxiway
C1: EASA Code C - aircraft stand taxilane - numai pentru rularea aeronavelor care ies de la standurile 204-224
L: EASA Code C - aircraft stand taxilane
T: EASA Code C - aircraft stand taxilanes

Pe aceste căi de rulare, distanțele de siguranță de la vârful planului la un obstacol sunt de 4.5 m pentru aeronave cod A, B, C (EASA) și 7.5 m pentru aeronave cod D, E, F (EASA).
Datorită distanțelor până la obstacole, marcajele galbene de ghidare trebuie respectate strict. Viteza de rulare va fi adaptată în consecință.

Rularea aeronavelor pe platformă este permisă fără însoţire Follow Me numai dacă sunt în legătură radio permanentă cu Otopeni Ground pe toată perioada manevrelor de rulare. În situaţia în care Otopeni Ground recomandă însoţirea cu Follow Me a aeronavei în rulaj, pilotul trebuie să urmeze întocmai semnalele acestuia. În cazul în care pilotul doreşte efectuarea manevrelor de rulare cu asistenţă Follow Me, va solicita acest lucru la Otopeni Ground.
Vehiculele Follow Me sunt identificabile prin rampele luminoase de semnalizare (Follow Me) şi girofar de culoare orange.
Rularea aeronavelor pe platformă este permisă numai la un regim de turaţie al motoarelor care să permită deplasarea aeronavei.
La rularea pentru intrarea în poziţiile de staţionare, aeronavele nu vor opri în curbe, pentru a evita turarea suplimentară a motoarelor în vederea punerii în mişcare.

Aeronavele care rulează pentru ieșirea de la pozițiile de staționare 204-224 nu vor opri în curbe pentru a evita turarea suplimentară a motoarelor pentru repunerea în mișcare.

Parking of aircraft at the positions is performed:
- according to the signals of the marshaller on APRON 1 at aircraft stands 108, 116-122, 131-134, alternative stands and on APRON 2 at all stands or
- by means of Stand Entry Guidance at aircraft stands 101-107, 109-115 on APRON 1;

Aircraft may leave nose-in positions (see AD 2.5-22 and AD 2.5-23, stands 201-203), only by the aid of towing cars or using power back.

Reverse thrust shall not be used. Aircraft operators shall make suitable arrangements.
Crews shall request start up/ pushback approval only when fully ready to push. This should include doors and hatches closed, steps or air bridge removed, tug attached and communications established with ground crew with confirmation that they are ready. To prevent incidents and back of stand vehicle traffic congestion, anti-collision beacons should only be switched on only after start up/ pushback approval has been obtained.

1.2 OPERATION OF MODE S TRANSPONDERS WHEN AIRCRAFT IS ON THE GROUND

Aircraft operators shall ensure that the Mode S transponders are able to operate when aircraft is on the ground, according to ICAO specifications (Annex 10, volume IV, 3.1.2.8.5.3 and 3.1.2.10.3.10).

Aircrews shall select the assigned Mode A code and activate the Mode S by selecting AUTO, ON, XPNDR, or the equivalent according to specific installation and assigned Mode A code under the following conditions:
- from request of push-back or taxi, whichever is earlier;
- after landing, continuously untill the aircraft is fully parked on the stand.

The transponder shall be switched off immediately after parking.
Whenever the aircraft is capable of reporting flight identification (i.e. call sign used in flight), the flight identification should also be entered from the request for push-back or taxi, whichever is earlier (through the FMS or the trannsponder control panel). Aircrews shall use the format as defined in field 7 f the ICAO flight plan for entry of the flight identification.
To ensure that the performance of the systems based on SSR frequencies (including airborne TCAS units and SSR radars) is not compromised, TCAS shall shall not be activated before receiving the clearance to line-up. After landing, it shall be deactivated after vacating the runway.

1.3 USE OF AIRPORT BY HIGHER CODE LETTER AIRCRAFT

1.3.1. General

LROP airport reference code letter is 4E.
In this context, aircraft with higher code than 4E, means wingspan greater than 65m or outer main gear wheel span greater (OMGWS) than 14m.
Aircraft with code higher than aerodrome code 4E (wingspan greater than 65m and outer main gear wheel span OMGWS greater than 14m):

a) shall obtain aerodrome operator's prior approval; request will be sent at ops@cnab.ro, minimum 60 days before flight;

b) in case of declared emergency situation may use LROP without prior approval.

1.3.2. Restrictions for turn pad on RWY 08R

Turn pad dimensions are 33.7m x 72m and strength is 42/R/D/W/T - see Aerodrome ground movement chart AD 2.5-21.

Visual aids on Turn pad 26L are designed for a/c with distance from main gear to cockpit less than 19.48m and outer main gear wheel span less than 11m.

Turn pad 26L should be used according to aircraft flight manual (AFM) and airline SOP limitations.

1.3.3. Use of RWY 08R/26L

Aircraft with wingspan greater than 52m and outer main gear wheel span OMGWS greater than 9m:
a) shall vacate RWY08R via TWY D; if not able, shall wait for towing and push-back procedures, and will shut down engine no.1 and no. 4 (if applicable).
If aircraft is not able to vacate RWY on TWY D, pilot may decide and request ATC to backtrack the runway using Turn pad 26L, according to aircraft flight manual (AFM) and airline SOP limitations.

b) for departure 26L, shall take off from TWY D intersection (TORA 2489m).

Parcarea aeronavei la poziţiile de staţionare se face:
- în conformitate cu semnalele marshaler-ului pe APRON 1 la poziţiile de stationare 108, 116-122, 131-134, pozițiile alternative şi pe APRON 2 la toate poziţiile sau
- cu indicaţiile Stand Entry Guidance la poziţiile de staţionare 101-107 şi 109-115 pe APRON 1;

Ieşirea aeronavelor din poziţiile de staţionare nose-in (vezi AD 2.5-22 şi AD 2.5-23, pozițiile de staționare 201-203) se face numai cu echipamente de tractare/împingere sau prin power back.
Utilizarea reversoarelor de tracţiune este interzisă. Operatorii aerieni vor avea stabilite aranjamentele necesare.
Echipajele vor solicita autorizarea de pornire/ împingere înapoi numai dacă pregătirea aeronavei pentru plecare a fost finalizată. Aceasta include închiderea ușilor și a trapelor, scărilor și punților mobile de îmbarcare, remorcherul este cuplat și sunt stabilite comunicațiile cu personalul de sol care a confirmat că sunt pregătiți pentru manevră. Pentru a preveni producerea de incidente și aglomerări ale traficului rutier, luminile anti-coliziune vor fi pornite numai după obținerea aprobării de pornire/împingere înapoi.

1.2 OPERAREA TRANSPONDERELOR MOD S CÂND AERONAVA ESTE LA SOL

Operatorii aeronavelor se vor asigura că transpoderele Mod S sunt capabile să opereze când aeronava este la sol, în conformitate cu specificaţiile OACI (Anexa 10, volumul IV, 3.1.2.8.5.3 şi 3.1.2.10.3.10).
Echipajele aeronavelor vor selecta codul Mod A alocat şi vor activa Modul S selectând AUTO, ON, XPDR sau poziţia echivalentă în funcţie de echipamentul propriu şi de codul Mod A alocat, în următoarele condiţii:
- la cererea de "push-back" sau de rulaj, oricare ar fi prima;
- neîntrerupt după aterizare, până când aeronava este complet parcată la stand.

Transponderul va fi oprit imediat după parcare.
Atunci când aeronava este capabilă să raporteze identificarea zborului (ex. indicativul folosit în zbor) identificarea zborului trebuie de asemenea introdusă odată cu cererea de "push-back" sau de rulaj, oricare ar fi prima (prin intermediul FMS sau panoul de control al transponderului). Echipajele de zbor vor utiliza formatul definit în câmpul 7 al planului de zbor în format OACI pentru introducerea identificării zborului.
Pentru a asigura că nu este afectată performanţa sistemelor bazate pe frecvenţele SSR (inclusiv echipamentele TCAS de la bord şi radarele SSR), TCAS nu va fi activat înainte de primirea autorizării de aliniere. După aterizare, va fi dezactivat după eliberarea pistei.

1.3 UTILIZAREA AEROPORTULUI DE CĂTRE AERONAVE CU LITERĂ DE COD SUPERIOARĂ

1.3.1. Generalități

Litera de cod a LROP este 4E.
În acest context, aeronave de cod superior decât 4E, înseamnă aeronave cu anvergură mai mare de 65m sau lățime a trenului principal mai mare de 14m.
Aeronavele cu litera de cod superioară celei de referință a aerodromului 4E (anvergură mai mare de 65m și lățime totală a trenului principal OMGWS mai mare de 14m):

a) trebuie să obțină în prealabil aprobarea operatorului de aerodrom; solicitarea va fi transmisă pe adresa ops@cnab.ro cu minim 60 zile înaintea zborului;
b) în cazul unei situații de urgență declarate, pot utiliza LROP fără aprobare prealabilă.

1.3.2. Restricții pentru platforma de întoarcere de la RWY 08R

Dimensiunile platformei de întoarcere sunt 33.7m x 72m, iar rezistența pavajului este 42/R/D/W/T - vezi Aerodrome ground movement chart AD 2.5-21.
Mijloacele vizuale instalate pe Platforma de întoarcere 26L sunt proiectate pentru aeronave cu distanța dintre cockpit și trenul principal mai mică de 19.48m și lățimea trenului principal mai mică de 11m.
Platforma de întoarcere 26L ar trebui utilizată conform limitărilor din Manualul de zbor al aeronavei (AFM) și limitările procedurilor companiei aeriene (SOP).

1.3.3. Utilizarea pistei 08R/26L

Aeronavele cu anvergură mai mare de 52m și lățime totală a trenului principal OMGWS mai mare de 9m:
a) trebuie să degajeze pista 08R via TWY D; în caz contrar, trebuie să aștepte pentru procedura de împingere/tractare și va opri motoarele nr. 1 și nr. 4 (dacă este cazul).
În situatia în care aeronava nu reușește să degajeze pista pe TWY D, pilotul poate decide să efectueze o întoarcere de 180º pe platforma de întoarcere 26L în conformitate cu prevederile Manualului de zbor (AFM) si cu limitările procedurilor companiei aeriene (SOP).
b) pentru plecare 26L, trebuie să decoleze de la intersecția pistei cu TWY D (TORA 2489m).

2. TAXI ROUTES / RUTELE DE RULARE

On LROP following taxiing restrictions/limitations are in force:

- aircraft with wingspan greater than 52 m are NOT allowed to taxi on TWY A.
- aircraft departing from RWY 26L may line-up from TWY D (TORA 2489m) or may use 26L THR turn pad, according to airline's SOP. The 26L THR turn pad with dimensions of 33.7m x 72m, strength 43/R/D/W/T, is authorised for aircraft with distance from the main gear to cockpit less than 19.48m and outer main gear wheel span (OMGWS) less than 11m - see Aerodrome ground movement chart AD 2.5-21.
- taxi routes usable taking into account aircraft wingspan are represented în Aerodrome ground movement chart AD 2.5-21a.

Pe LROP sunt aplicabile următoarele restricții de rulare:

- aeronavele cu anvergura mai mare de 52 m nu au voie să ruleze pe TWY A.
- pentru decolarea de pe RWY 26L, aeronavele se pot alinia de la intersecția RWY 26L cu TWY D (TORA 2489m) sau pot utiliza platforma de întoarcere de la pragul 26L, conform procedurilor proprii ale companiei aeriene. Platforma de întoarcere de la pragul 26L, având dimensiunile 33.7m x 72m, rezistența pavajului 43/R/D/W/T, este autorizată pentru aeronave cu distanța dintre trenul principal și cabină de maximum 19.48m și lățime totală a trenului principal de 11m. vezi Harta suprafețelor de mișcare ale aerodromului AD 2.5-21.
- rutele pentru rularea aeronavelor în funcție de anvergura acestora sunt reprezentate în Harta suprafețelor de mișcare ale aerodromului AD 2.5-21a.

3. Operating of docking system / Operarea sistemului de andocare

At APRON 1, docking system type T1 is installed for stands 101-107 and 109-115.

La APRON 1, este instalat sistem de andocare tipul T1 pentru standurile 101-107 şi 109-115.

SYSTEM DESCRIPTION

The SAFEDOCK System is a microprocessor controlled laser scanning device which directs an incoming aircraft to the terminal gate stopping position via a real time display unit, clearly visible from the aircraft cockpit.

The display unit provides the pilot with aircraft positional information with regard to closing rate to the stop position, azimuth information with regard to the terminal gate centre-line and text information via the alphanumeric indicators.

DESCRIEREA SISTEMULUI

Sistemul Safedock este un dispozitiv de scanare cu laser controlat de un microprocesor, care direcţionează o aeronavă care se apropie spre poziţia de oprire la poarta de îmbarcare, printr-o unitate de afişare în timp real, vizibilă clar din cabina aeronavei.

Unitatea de afişare oferă pilotului informaţii despre poziţionarea aeronavei cu referire la ritmul de apropiere de poziţia de oprire, informaţii despre azimut cu referire la linia axială a porţii de îmbarcare şi informaţii text prin indicatori alfanumerici.

DOCKING PROCEDURE

At APRON 1, docking system type T1 is installed for stands 101-107 and 109-115.

CAUTION: The Safedock Docking Guidance System has a built-in error detection program to inform the aircraft pilots of possible hazards during the docking procedure. During the aircraft approach to the terminal gate, the docking guidance system automatically confirms the identification of the aircraft. The aircraft must be identified at least 12 m before the correct stop position. If this does not occur, the system displays "STOP" and then "WAIT" with two red, rectangular fields being lit in the azimuth guidance area of the display. While the aircraft is stopped, the system will attempt to identify it. If successful, the docking procedure will continue. If not, "WAIT" will be replaced with "STOP". If the display reverts to the "STOP" indication, the pilot must contact OTOPENI GROUND to obtain clearance to complete the docking procedure

PROCEDURA DE ANDOCARE

La APRON 1, este instalat sistem de andocare tipul T1 pentru standurile 101-107 şi 109-115.

ATENŢIE: Sistemul de dirijare pentru andocare Safedock are încorporat un program de detectare a erorilor pentru a informa piloţii aeronavelor despre posibile pericole pe perioada procedurii de andocare. În timpul apropierii aeronavei de poartă de îmbarcare, sistemul de dirijare pentru andocare confirmă automat identificarea aeronavei. Dacă identificarea nu a fost confirmată cu mai putin de 12 m înainte de poziţia de oprire, unitatea de afişare va afişa două barete roşii în zona indicatoarelor de azimut şi va afişa "STOP" apoi "WAIT" pe afişajul alfanumeric. În timpul în care aeronava este oprită, sistemul va încerca să o identifice. Dacă acest lucru se întâmplă, atunci procedura de andocare va continua. Altfel, "WAIT" va fi înlocuit cu "STOP". În această situaţie, pilotul va contacta OTOPENI GROUND pentru a obţine aprobarea de continuare a procedurii de andocare.

1. Check that the correct aircraft type is displayed. The scrolling arrows indicate that the system is activated.

1. Verificaţi dacă tipul corect de aeronavă este afişat. Săgeţile iluminate secvenţial indică că sistemul este activat.

2. Follow the lead in line. When the solid yellow closing rate field appears, the aircraft has been caught by the scanning unit. The scanning unit now checks that the aircraft is the correct type and the display provides azimuth guidance information.

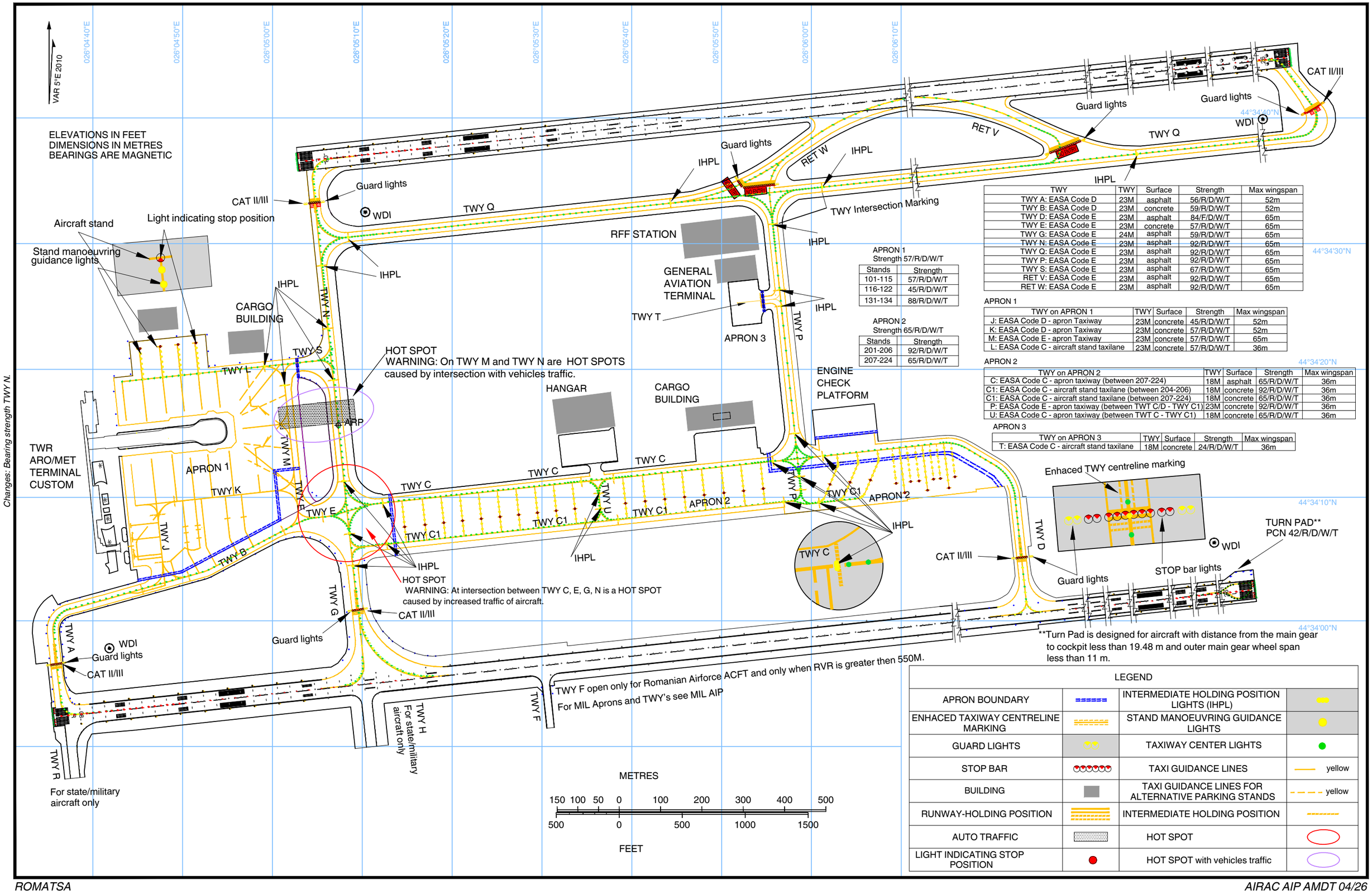
2. Urmariţi linia axială spre poarta terminalului. Atunci când indicatorii ritmului de apropiere se colorează în galben, aeronava a fost interceptată de dispozitivul de baleiere cu laser. Sistemul acum verifică dacă tipul corect de aeronava se apropie de poartă iar pe ecran apar informaţii de ghidare în azimut.

AERODROME GROUND MOVEMENT CHART - ICAO

APRON 1 ELEV 312 FT
APRON 2 ELEV 308 FT
APRON 3 ELEV 309 FT

OTOPENI TOWER	118.805		
OTOPENI TOWER ALTN	120.900	OTOPENI CLEARANCE DELIVERY	121.955
OTOPENI GROUND	121.855	OTOPENI CLEARANCE DELIVERY ALTN	121.700
OTOPENI GROUND ALTN	121.700		

BUCUREŞTI / Henri Coandă (LROP)



TWY	TWY	Surface	Strength	Max wingspan
TWY A: EASA Code D	23M	asphalt	56/R/D/W/T	52m
TWY B: EASA Code D	23M	concrete	59/R/D/W/T	52m
TWY D: EASA Code E	23M	asphalt	84/F/D/W/T	65m
TWY E: EASA Code E	23M	concrete	57/R/D/W/T	65m
TWY G: EASA Code E	24M	asphalt	59/R/D/W/T	65m
TWY N: EASA Code E	23M	asphalt	92/R/D/W/T	65m
TWY Q: EASA Code E	23M	asphalt	92/R/D/W/T	65m
TWY P: EASA Code E	23M	asphalt	92/R/D/W/T	65m
TWY S: EASA Code E	23M	asphalt	67/R/D/W/T	65m
RET V: EASA Code E	23M	asphalt	92/R/D/W/T	65m
RET W: EASA Code E	23M	asphalt	92/R/D/W/T	65m

APRON 1
Strength 57/R/D/W/T

Stands	Strength
101-115	57/R/D/W/T
116-122	45/R/D/W/T
131-134	88/R/D/W/T

APRON 2
Strength 65/R/D/W/T

Stands	Strength
201-206	92/R/D/W/T
207-224	65/R/D/W/T

APRON 1

TWY on APRON 1	TWY	Surface	Strength	Max wingspan
J: EASA Code D - apron Taxiway	23M	concrete	45/R/D/W/T	52m
K: EASA Code D - apron Taxiway	23M	concrete	57/R/D/W/T	52m
M: EASA Code E - apron Taxiway	23M	concrete	57/R/D/W/T	65m
L: EASA Code C - aircraft stand taxilane	23M	concrete	57/R/D/W/T	36m

APRON 2

TWY on APRON 2	TWY	Surface	Strength	Max wingspan
C: EASA Code C - apron taxiway (between 207-224)	18M	asphalt	65/R/D/W/T	36m
C1: EASA Code C - aircraft stand taxilane (between 204-206)	18M	concrete	92/R/D/W/T	36m
C1: EASA Code C - aircraft stand taxilane (between 207-224)	18M	concrete	65/R/D/W/T	36m
P: EASA Code E - apron taxiway (between TWT C/D - TWY C1)	23M	concrete	92/R/D/W/T	36m
U: EASA Code C - apron taxiway (between TWT C - TWY C1)	18M	concrete	65/R/D/W/T	36m

APRON 3

TWY on APRON 3	TWY	Surface	Strength	Max wingspan
T: EASA Code C - aircraft stand taxilane	18M	concrete	24/R/D/W/T	36m

LEGEND			
APRON BOUNDARY		INTERMEDIATE HOLDING POSITION LIGHTS (IHPL)	
ENHACED TAXIWAY CENTRELINE MARKING		STAND MANOEUVRING GUIDANCE LIGHTS	
GUARD LIGHTS		TAXIWAY CENTER LIGHTS	
STOP BAR		TAXI GUIDANCE LINES	yellow
BUILDING		TAXI GUIDANCE LINES FOR ALTERNATIVE PARKING STANDS	yellow
RUNWAY-HOLDING POSITION		INTERMEDIATE HOLDING POSITION	
AUTO TRAFFIC		HOT SPOT	
LIGHT INDICATING STOP POSITION		HOT SPOT with vehicles traffic	

Changes: Bearing strength TWY N.

BUCUREŞTI / Henri Coandă (LROP)
TAXI ROUTES

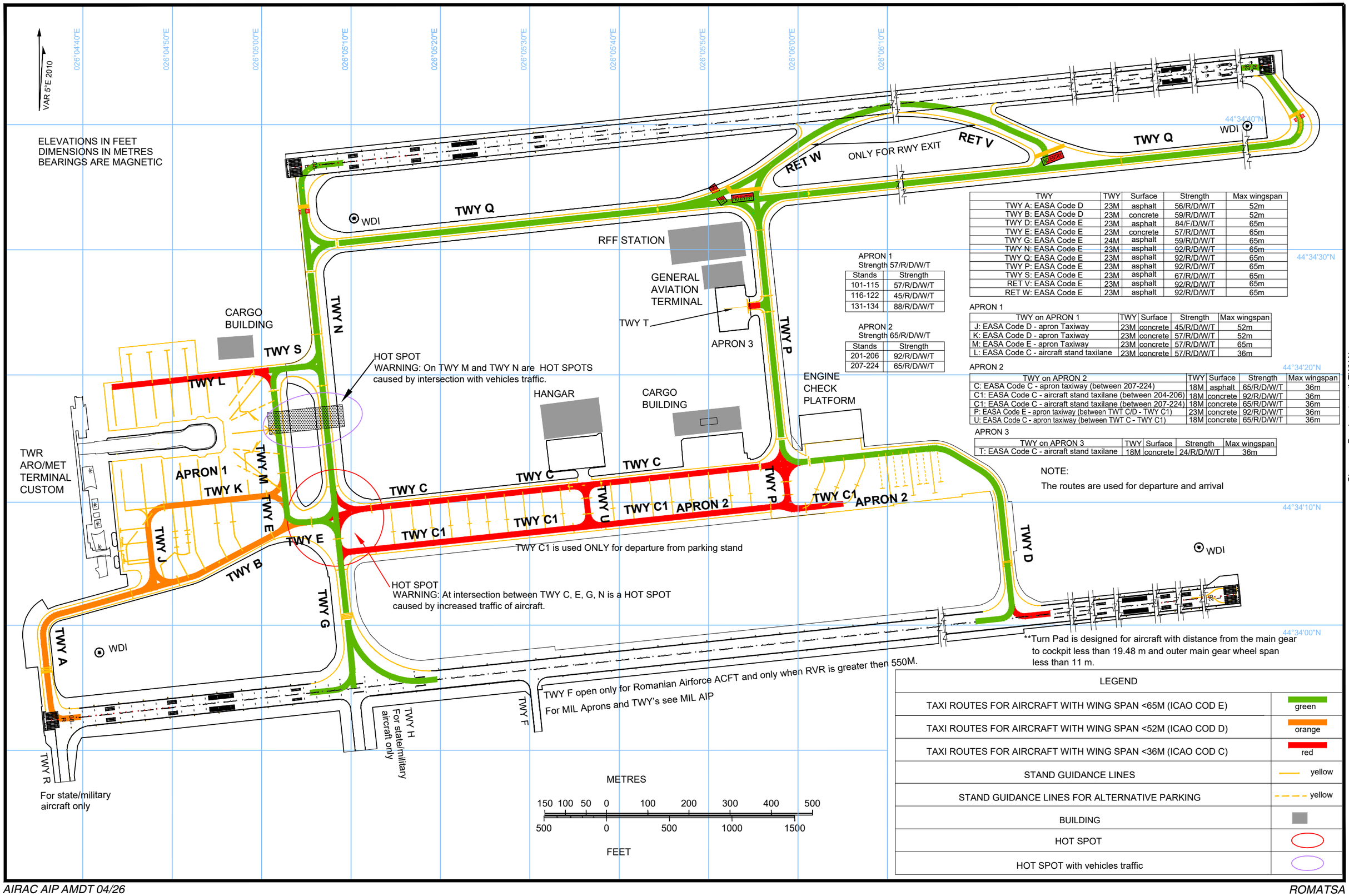
ELEV **314 FT**

44° 34' 16" N
026° 05' 06" E

OTOPENI TOWER	118.805
OTOPENI TOWER ALTN	120.900
OTOPENI GROUND	121.855
OTOPENI GROUND ALTN	121.700

OTOPENI CLEARANCE DELIVERY 121.955
OTOPENI CLEARANCE DELIVERY ALTN 121.700

AERODROME GROUND MOVEMENT CHART - ICAO



APRON 1
Strength 57/R/D/W/T

Stands	Strength
101-115	57/R/D/W/T
116-122	45/R/D/W/T
131-134	88/R/D/W/T

APRON 2
Strength 65/R/D/W/T

Stands	Strength
201-206	92/R/D/W/T
207-224	65/R/D/W/T

TWY	TWY	Surface	Strength	Max wingspan
TWY A: EASA Code D	23M	asphalt	56/R/D/W/T	52m
TWY B: EASA Code D	23M	concrete	59/R/D/W/T	52m
TWY D: EASA Code E	23M	asphalt	84/F/D/W/T	65m
TWY E: EASA Code E	23M	concrete	57/R/D/W/T	65m
TWY G: EASA Code E	24M	asphalt	59/R/D/W/T	65m
TWY N: EASA Code E	23M	asphalt	92/R/D/W/T	65m
TWY Q: EASA Code E	23M	asphalt	92/R/D/W/T	65m
TWY P: EASA Code E	23M	asphalt	92/R/D/W/T	65m
TWY S: EASA Code E	23M	asphalt	67/R/D/W/T	65m
RET V: EASA Code E	23M	asphalt	92/R/D/W/T	65m
RET W: EASA Code E	23M	asphalt	92/R/D/W/T	65m

APRON 1

TWY on APRON 1	TWY	Surface	Strength	Max wingspan
J: EASA Code D - apron Taxiway	23M	concrete	45/R/D/W/T	52m
K: EASA Code D - apron Taxiway	23M	concrete	57/R/D/W/T	52m
M: EASA Code E - apron Taxiway	23M	concrete	57/R/D/W/T	65m
L: EASA Code C - aircraft stand taxilane	23M	concrete	57/R/D/W/T	36m

APRON 2

TWY on APRON 2	TWY	Surface	Strength	Max wingspan
C: EASA Code C - apron taxiway (between 207-224)	18M	asphalt	65/R/D/W/T	36m
C1: EASA Code C - aircraft stand taxilane (between 204-206)	18M	concrete	92/R/D/W/T	36m
C1: EASA Code C - aircraft stand taxilane (between 207-224)	18M	concrete	65/R/D/W/T	36m
P: EASA Code E - apron taxiway (between TWT C/D - TWY C1)	23M	concrete	92/R/D/W/T	36m
U: EASA Code C - apron taxiway (between TWT C - TWY C1)	18M	concrete	65/R/D/W/T	36m

APRON 3

TWY on APRON 3	TWY	Surface	Strength	Max wingspan
T: EASA Code C - aircraft stand taxilane	18M	concrete	24/R/D/W/T	36m

NOTE:
The routes are used for departure and arrival

**Turn Pad is designed for aircraft with distance from the main gear to cockpit less than 19.48 m and outer main gear wheel span less than 11 m.

LEGEND	
TAXI ROUTES FOR AIRCRAFT WITH WING SPAN <65M (ICAO COD E)	green
TAXI ROUTES FOR AIRCRAFT WITH WING SPAN <52M (ICAO COD D)	orange
TAXI ROUTES FOR AIRCRAFT WITH WING SPAN <36M (ICAO COD C)	red
STAND GUIDANCE LINES	yellow
STAND GUIDANCE LINES FOR ALTERNATIVE PARKING	yellow
BUILDING	
HOT SPOT	
HOT SPOT with vehicles traffic	

Changes: Bearing strength TWY N.

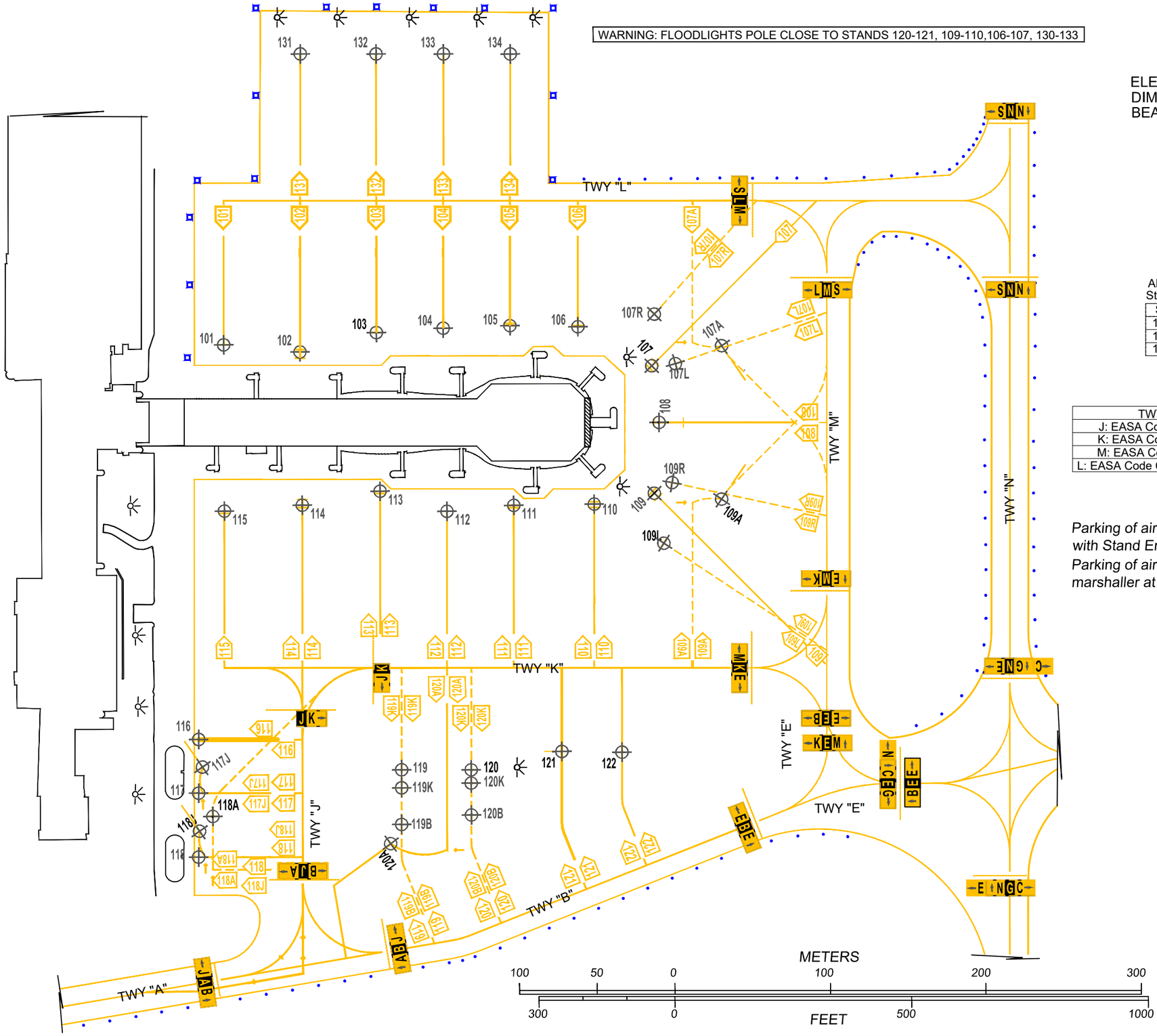
AIRCRAFT PARKING / DOCKING CHART - ICAO

APRON ELEV
312 FT

OTOPENI TOWER	118.805	OTOPENI CLEARANCE DELIVERY	121.955
OTOPENI TOWER ALTN	120.900	OTOPENI CLEARANCE DELIVERY ALTN	121.700
OTOPENI GROUND	121.855		
OTOPENI GROUND ALTN	121.700		

BUCUREŞTI / Henri Coandă (LROP)
APRON 1

Changes: Markings at intersection TWY N/G/C.



ELEVATIONS IN FEET
DIMENSIONS IN METRES
BEARINGS ARE MAGNETIC

VAR 5°E 2010

APRON 1
Strength 57/R/D/W/T

Stands	Strenght
101-115	57/R/D/W/T
116-122	45/R/D/W/T
131-134	88/R/D/W/T

TWY on APRON1	TWY	Surface	Strenght	Max wingspan
J: EASA Code D - apron Taxiway	23M	concrete	45/R/D/W/T	52m
K: EASA Code D - apron Taxiway	23M	concrete	57R/D/W/T	52m
M: EASA Code E - apron Taxiway	23M	asphalt	57/R/D/W/T	65m
L: EASA Code C - aircraft stand taxilane	23M	concrete	57/R/D/W/T	36m

Parking of aircraft at the stands 101-107, 109-115 is performed according with Stand Entry Guidance.
Parking of aircraft at the positions is performed according o the signals of the marshaller at aircraft stands 108, 116-122, 131-134 and alternative stands.

For INS Coordintes of Aircraft Stands see verso.

LEGEND	
APRON EDGE MARKERS	
TAXIWAY EDGE LIGHT	
TO AIRCRAFT STAND	101
FLOODLIGHT	
AIRCRAFT STAND	101
INS CHECK POINTS	
TAXI GUIDANCE LINES	(yellow)
TAXI GUIDANCE LINES FOR ALTERNATIVE PARKING STANDS	(dashed)
INTERMEDIATE HOLDING POSITION	
BUILDING	

Stand		INS COORDINATES OF AIRCRAFT STANDS		Remarks
Stand	Stop Bar	Latitude	Longitude	
101	1	443415.85N	0260443.84E	EXIT WITH PUSH-BACK ONLY
102	1	443415.92N	0260446.06E	EXIT WITH PUSH-BACK ONLY
	2	443415.87N	0260446.07E	
	3	443415.73N	0260446.09E	
103	1	443416.43N	0260448.21E	EXIT WITH PUSH-BACK ONLY
104	1	443416.64N	0260450.13E	EXIT WITH PUSH-BACK ONLY
105	1	443416.89N	0260452.04E	EXIT WITH PUSH-BACK ONLY
	2	443416.84N	0260452.05E	
106	1	443417.01N	0260454.00E	EXIT WITH PUSH-BACK ONLY
	2	443416.99N	0260454.01E	
107	1	443416.42N	0260456.34E	EXIT WITH PUSH-BACK ONLY
	2	443416.33N	0260456.25E	
	3	443416.29N	0260454.19E	
	4	443416.15N	0260456.04E	
	5	443416.02N	0260455.90E	
107A	1	443416.90N	0260458.22E	ALTERNATIVE PARKING STAND
107R	1	443417.35N	0260456.09E	ALTERNATIVE PARKING STANDS / EXIT WITH PUSH-BACK ONLY
107L	1	443416.41N	0260456.96E	
108	1	443415.21N	0260457.12E	EXIT WITH PUSH-BACK ONLY
	2	443415.19N	0260456.64E	
	3	443416.17N	0260456.49E	
109	1	443413.65N	0260456.84E	EXIT WITH PUSH-BACK ONLY
	2	443413.72N	0260456.71E	
	3	443413.75N	0260456.66E	
	4	443414.04N	0260456.16E	
109A	1	443413.74 N	0260458.66E	ALTERNATIVE PARKING STAND
109R	1	443413.97N	0260457.28E	ALTERNATIVE PARKING STANDS / EXIT WITH PUSH-BACK ONLY
109L	1	443412.73N	0260457.17E	
110	1	443413.30N	0260455.01E	EXIT WITH PUSH-BACK ONLY
	2	443413.38N	0260455.00E	
	3	443413.42N	0260455.00E	
111	1	443413.12N	0260452.70E	EXIT WITH PUSH-BACK ONLY
	2	443413.17N	0260452.69E	
112	1	443412.90N	0260450.78E	EXIT WITH PUSH-BACK ONLY
113	1	443413.12N	0260448.80E	EXIT WITH PUSH-BACK ONLY
	2	443413.17N	0260448.79E	
114	1	443412.67N	0260446.60E	EXIT WITH PUSH-BACK ONLY
	2	443412.72N	0260446.59E	
	3	443412.83N	0260446.58E	
115	1	443412.37N	0260444.37E	EXIT WITH PUSH-BACK ONLY
	2	443412.39N	0260444.37E	
116	1	443407.64N	0260444.35E	EXIT WITH PUSH-BACK ONLY
117	1	443406.54N	0260444.51E	EXIT WITH PUSH-BACK ONLY
117J	1	443407.10N	0260444.49E	ALTERNATIVE PARKING STAND
118	1	443405.22N	0260444.67E	EXIT WITH PUSH-BACK ONLY
118A	1	443406.11N	0260444.95E	ALTERNATIVE PARKING STAND
118J	1	443405.77N	0260444.60E	ALTERNATIVE PARKING STAND / EXIT WITH PUSH-BACK ONLY
119	1	443407.37N	0260450.28E	NIL
119B	1	443406.34N	0260450.43E	ALTERNATIVE PARKING STANDS
119K	1	443407.11N	0260450.32E	
120	1	443407.52N	0260452.28E	NIL
120B	1	443406.69N	0260452.40E	ALTERNATIVE PARKING STAND
120K	1	443407.41N	0260452.29E	ALTERNATIVE PARKING STAND
120A	1	443405.92N	0260450.17E	ALTERNATIVE PARKING STAND
121	1	443408.10N	0260454.85E	NIL
122	1	443408.30N	0260456.57E	NIL
131	1	443421.56N	0260445.40E	EXIT WITH PUSH-BACK ONLY
132	1	443421.71N	0260447.42E	EXIT WITH PUSH-BACK ONLY
133	1	443421.86N	0260449.43E	EXIT WITH PUSH-BACK ONLY
134	1	443422.01N	0260451.43E	EXIT WITH PUSH-BACK ONLY

AIRCRAFT PARKING/ DOCKING CHART - ICAO

APRON ELEV
308 FT

OTOPENI TOWER	118.805
OTOPENI TOWER ALTN	120.900
OTOPENI GROUND	121.855
OTOPENI GROUND ALTN	121.700

OTOPENI CLEARANCE DELIVERY 121.955
OTOPENI CLEARANCE DELIVERY ALTN 121.700

BUCUREŞTI / Henri Coandă (LROP)
APRON 2

VAR 5°E 2010

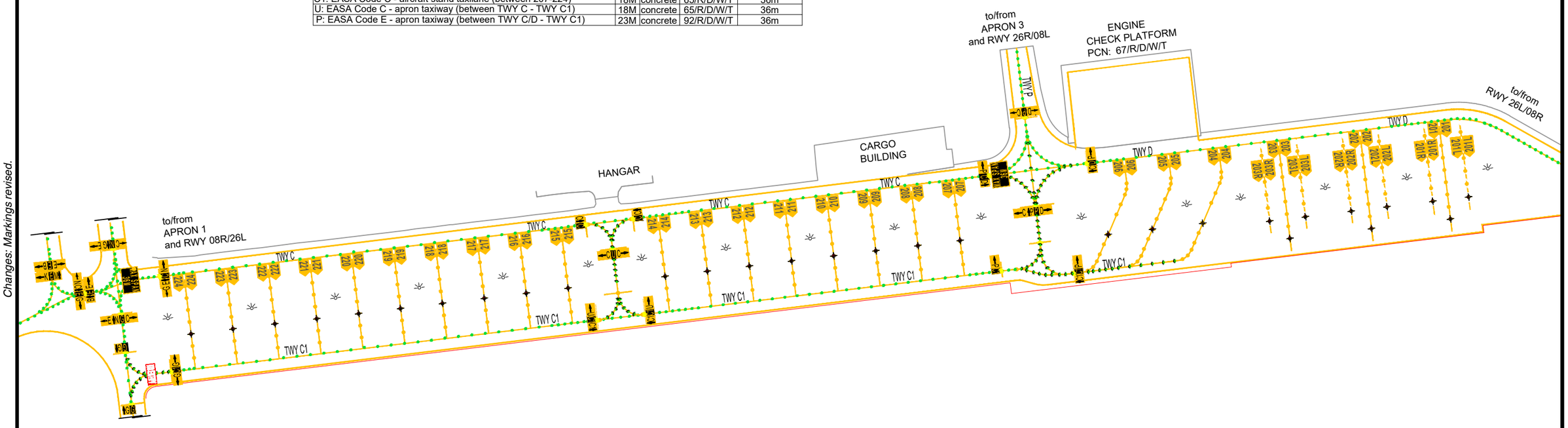
ANNUAL RATE OF CHANGE 2.1'E

Changes: Markings revised.

Parking will be performed only with marshaller assistace.

APRON 2

TWY on APRON 2	TWY	Surface	Strength	Max wingspan
C: EASA Code C - apron taxiway (between 207-224)	18M	asphalt	65/R/D/W/T	36m
C1: EASA Code C - aircraft stand taxilane (between 204-206)	18M	concrete	92/R/D/W/T	36m
C1: EASA Code C - aircraft stand taxilane (between 207-224)	18M	concrete	65/R/D/W/T	36m
U: EASA Code C - apron taxiway (between TWY C - TWY C1)	18M	concrete	65/R/D/W/T	36m
P: EASA Code E - apron taxiway (between TWY C/D - TWY C1)	23M	concrete	92/R/D/W/T	36m



APRON 2

Stands	Strength
201 - 206	PCN 92/R/D/W/T
207 - 224	PCN 65/R/D/W/T

Stands no.	Aircraft	Maximum Aircraft Type
201 - 203	Aircraft with wingspan less than 65m (Code letter E)	B777-300 / A340-300
201 - 224 and alternative stands 201R/L, 202R/L, 203R/L	Aircraft with wingspan less than 36m (Code letter C)	B737-900 / A321

For INS Coordinates of Aircraft Stands see verso.

LEGEND	
TWY CENTER LINE	
INTERMEDIATE HOLDING POSITION LIGHTS (IHPL)	
AIRCRAFT STAND MANOEUVERING LIGHT	
LIGHT INDICATING STOP POSITION	
TO AIRCRAFT STAND	201
FLOODLIGHT	
INS CHECK POINTS	
TAXI GUIDANCE LINE FOR ALTERNATIVE PARKING STANDS	yellow
TAXI GUIDANCE LINE	yellow
BUILDING	

METRES

100 50 0 100 200 300

300 200 100 0 500 1000

FEET

INS COORDINATES OF AIRCRAFT STANDS

Ramp Stand	Latitude	Longitude	Remarks
201L	443411.65N	0260619.25E	ALTERNATIVE PARKING STANDS
201	443410.85N	0260618.29E	EXIT WITH PUSH-BACK
201R	443411.51N	0260617.40E	ALTERNATIVE PARKING STANDS
202L	443411.33N	0260615.03E	ALTERNATIVE PARKING STANDS
202	443410.54N	0260614.22E	EXIT WITH PUSH-BACK
202R	443411.19N	0260613.18E	ALTERNATIVE PARKING STANDS
203L	443411.01N	0260610.82E	ALTERNATIVE PARKING STANDS
203	443410.22N	0260610.00E	EXIT WITH PUSH-BACK
203R	443410.87N	0260608.97E	ALTERNATIVE PARKING STANDS
204	443410.83N	0260605.53E	
205	443410.63N	0260602.92E	
206	443410.45N	0260600.64E	
207	443410.31N	0260552.99E	
208	443410.15N	0260551.01E	
209	443409.98N	0260548.76E	
210	443409.83N	0260546.78E	
211	443409.66N	0260544.53E	
212	443409.51N	0260542.54E	
213	443409.33N	0260540.29E	
214	443409.18N	0260538.31E	
214R	443408.94N	0260535.20E	ALTERNATIVE PARKING STANDS
215	443408.68N	0260531.84E	
216	443408.53N	0260529.86E	
217	443408.34N	0260527.43E	
218	443408.19N	0260525.44E	
219	443408.00N	0260523.01E	
220	443407.85N	0260521.03E	
221	443407.66N	0260518.59E	
222	443407.51N	0260516.61E	
223	443407.33N	0260514.18E	
224	443407.17N	0260512.19E	

LRCL AD 2.13 DECLARED DISTANCES

RWY designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
07	2040	2100	2040	1800	NIL
25	2040	2100	2040	2040	NIL

LRCL AD 2.14 APPROACH AND RWY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour, INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
07	ALSF-I 810M LIH	Green WBAR	PAPI 3° (53 FT)	NIL	900M, 15M, White, LIH 600M, 15M, Red/White, LIH 300M, 15M, Red, LIH	1200M, 60M, White, LIH 600M, 60M, Yellow, LIH	Red	NIL	RWY 07, LED lights used for centerline lighting system
25	ALSF-II 900M LIH	Green WBAR	PAPI 3° (55 FT)	White 900M	1140M, 15M, White, LIH 600M, 15M, Red/White, LIH 300M, 15M, Red, LIH	1440M, 60M, White, LIH 600M, 60M, Yellow, LIH	Red	NIL	RWY 25, LED lights used for TDZ and centerline lighting system

LRCL 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 Cup anemometer 165m FM THR 25 Cup anemometer 64m FM THR 07
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 CAT I/II lighting. Switch-over time 1 sec (RWY, TWYs, aprons).
5	*Remarks*	Apron floodlighting,obstacle lighting.

LRCL AD 2.16 HELICOPTER LANDING AREA

1	*Co-ordinates TLOF or THR of FATO* *Geoid undulation*	NIL 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

LRCL AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	CLUJ-NAPOCA CTR 464901N 0232101E - 465703N 0235639E - 464830N 0240044E - 464028N 0232505E - 464901N 0232101E
2	*Vertical limits*	GND to 3000 FT AMSL
3	*Airspace classification*	C
4	*ATS unit call sign* *Language(s)*	Cluj Tower English, Romanian
5	*Transition altitude*	7000 FT QNH
6	*Hours of applicability*	H24
7	*Remarks*	NIL

LRCL 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
APP	NAPOC Approach	126.430 127.275 MHz ALTN	NIL	NIL	H24	Radar Service
APP	NAPOC North Approach	126.430 127.275 MHz ALTN	NIL	NIL	H24	Radar Service
APP	NAPOC South Approach	119.680 127.275 MHz ALTN	NIL	NIL	H24	Radar Service
TWR	Cluj Tower	118.705 134.400 MHz ALTN 121.500 MHz EMERG	NIL	NIL	H24	 Exempted 8.33 kHz State aircraft.
ATIS	Cluj ATIS	125.525 MHz	NIL	NIL	H24	NIL

LRCL 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	Elevation 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
LOC 25 (5°E/2015) ILS CAT II (III.E.4)	ICX	111.900 MHz	H24	464701.6N 0234004.7E	-	NIL	Front course angle 5.35° LOC coverage not assured at 17M +/-35°. LOC coverage is assured at 10NM +/-35° and 18NM +/-10°.
GP 25	-	331.100 MHz	H24	464717.8N 0234134.9E	-	NIL	GP angle 3.0º ILS RDH 54 FT Between 6° and 8° on the left side of runway centerline (as seen from the aircraft) from 9NM to 10NM, GP coverage is not assured.
DME 25	ICX	1017.000 MHz CH 56X	H24	464717.6N 0234134.9E	1100 FT	NIL	NIL
DVOR/DME (5°E/2015)	CLJ	111.200 MHz CH 49X	H24	464800.4N 0234714.1E	1600 FT	NIL	075.8 MAG / 3.79 NM from THR 25 Coverage 175 NM (assumed)
DVOR/DME (5°E/2010)	SBI	114.000 MHz CH 87X	H24	454651.3N 0240516.1E	1500 FT	NIL	Coverage 150 NM DVOR Coverage 100 NM DME
DME	BAI	1150.000 MHz CH 126Y	H24	462928.0N 0231412.0E	6000 FT	NIL	Coverage 100 NM (declared) Unusable in sector 140°-260°
DME	CHU	1053.000 MHz CH 29X	H24	461059.0N 0244913.9E	2500 FT	NIL	Coverage 100 NM (declared) Unusable in sector 110°-205°
DME	ZLU	1041.000 MHz CH 17X	H24	470910.1N 0230606.9E	2400 FT	NIL	Coverage 100 NM (declared) Unusable in sectors 245°-360° and 045°-060°
DME	CIC	1083.000MHz CH 59Y	H24	461940.4N 0233211.0E	3400 FT	NIL	Coverage 100 NM (assumed) Unusable in sector 230°-340°
DME	PLT	1102.000MHz CH 78X	H24	453832.2N 0235637.3E	5800 FT	NIL	Coverage 100 NM (assumed) Unusable in sector 90°-92° and 190°-260°
DME	HNU	1087.000 MHz CH 63X	H24	471638.8N 0244407.0E	5400 FT	NIL	Coverage 100 NM (declared) Unusable in sector 310°-075°

LRCK AD 2.1 AERODROME LOCATION INDICATOR AND NAME
LRCK - CONSTANŢA / Mihail Kogălniceanu-Constanţa

LRCK AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP coordinates and site at AD*	442144N 0282918E Runway centre.
2	*Direction and distance from city*	14 NM (26 KM) North - North West from Constanţa.
3	*Elevation/Reference temperature/mean low temperature*	353 FT / 31.6°C / -10.0°C
4	*Geoid undulation at AD ELEV PSN*	112 FT
5	*MAG VAR/ Annual rate of change*	7°E (2021) / 6.7'E
6	*AD Administration, address, telephone, telefax, e-mail, AFS, website*	S.N. Aeroportul Internaţional M.Kogălniceanu - CONSTANŢA S.A. Str. Tudor Vladimirescu, nr. 4, Mihail Kogălniceanu, Tel: + 40 - (0)241 - 255177, 255100, 255762 Fax: + 40 - (0)241 - 508022, + 40 - (0)241 - 255762 AFS: LRCKRAYD e-mail: aeroport@mk-airport.ro SITA: CNDAPXH
7	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
8	*Remarks*	NIL

LRCK AD 2.3 OPERATIONAL HOURS

1	*AD Administration*	H24
2	*Customs and immigration*	H24
3	*Health and sanitation*	H24
4	*AIS Briefing Office*	H24, see GEN 3.1-5
5	*ATS Reporting Office (ARO)*	H24, see ENR 1.10-3
6	*MET Briefing Office*	H24
7	*ATS*	H24
8	*Fuelling*	H24
9	*Handling*	H24
10	*Security*	H24
11	*De-icing*	H24
12	*Remarks*	NIL

LRCK AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	2 lower deck loader (7t and 22.7t), 3 conveyor belts, 4 baggage tractors, 7 pallet dollies, 4 fork-lift.
2	*Fuel/Oil types*	JET A1; JP 8; F 34; F 35 Fuel additive: Nil
3	*Fuelling facilities/capacity*	4 storage tanks x 80000 l, 2 storage tanks x 90000 l 3 refueling trucks – 1 x 12000 l; 2 x 45000 l, 2 refueling trucks x 36000 l.
4	*De-icing facilities*	2 de/anti-icing units, with liquid TYPE II
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

LRCK AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Hotels in the city and near the airport.
2	*Restaurants*	1 Restaurant, 1 snack bar, 1 bar on the AD.
3	*Transportation*	Taxi and shuttle bus.
4	*Medical facilities*	First aid on the AD, doctor, ambulance, 1 ambulift. Hospitals in the city.
5	*Bank and Post Office*	ATM.
6	*Tourist Office*	In the city.
7	*Remarks*	NIL

LRCK AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	Within AD HR: CAT 7. CAT 8, CAT 9 and CAT 10 with minimum 48 hours notification in advance.
2	*Rescue equipment*	Holmatro extrication tools, Webber hidraulic extrication tools.
3	*Capability for removal of disabled aircraft*	Only aircraft towing equipment available for Boeing 737 and Airbus 320. Dispatch office: +40751126999, e-mail: ops@mk-airport.ro.
4	*Remarks*	NIL

LRCK AD 2.7 RUNWAY SURFACE CONDITION ASSESSMENT AND REPORTING, AND SNOW PLAN

1	*Types of clearing equipment*	4 snow blowers, 6 snow ploughs, 5 sweepers, 1 solid spreader, 2 liquid spreader, 1 mu-meter.
2	*Clearance priorities*	1. RWY 36/18 2. TWY A and B 3. Apron 1 and 2 4. Access to the national road.
3	*Use of material for movement area surface treatment*	KFOR
4	*Specially prepared winter runways*	NIL
5	*Remarks*	Information on snow clearance is based on Runway Condition Report (RCR) and published in SNOWTAM with respect of Global Reporting Format (GRF) method. The RCR is continuously updated and forwarded to air traffic services and to aeronautical information services for transmission to the flight crew by SNOWTAM and radio broadcast. Unit of the airport operator providing information on the progress of the snow removal and the conditions of the movement area: Safety and Operative Department - Tel.: +40 740 017 435. See also the snow plan in AD 1.2.

LRCK AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	*Apron designation, surface and strength*	Surface: Strength:	Concrete See AD 2.8-22
2	*Taxiway designation, width, surface and strength*	Width: Surface: Strength:	TWY A, I: 35 M, TWY B: 25 M, TWY G: 33M, TWY H: 23 M Concrete TWY A, B, I: 62/R/D/W/T, TWY G, H: 62/R/D/W/T
3	*ACL location and elevation*	APRON 316 FT	
4	*VOR checkpoints*	NIL	
5	*INS checkpoints*	See AD 2.8-22	
6	*Remarks*	Turning bay at THR 18 situated on the RWY, simmetricaly to RWY axis with turning centerline marking. Total size of turning bay: 100M length x 80M width, with the characteristics as folow: central area 100M length x 45M width PCN 62/R/A/W/T, left/right adjacent to RWY 100M length x 17.5M width PCN 36/R/D/W/T. Surface: concrete.	

LRCK AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	*Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands*	Taxiing guidance signs at intersection with TWY and RWY, at holding positions. Guide lines on the apron. Nose-in guidance at aircraft stands.	
2	*RWY and TWY markings*	RWY: TWY:	Designation, THR, TDZ, centre line, edges, aiming point, marked as appropriate; Centre line, edges, holding position at TWY/RWY intersections, marked.
3	*Stop bars*	Red stop bars at all intersections of TWY's with RWY.	
4	*Remarks*	NIL	

LRCK AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	b	c	d	e	f
1343	Building	442253.9N 0282930.8E	367/9 FT	NIL	Electronic form of obstacle data sets for Area 2 are available (see GEN 3.1.6)
1344	Building	442253.9N 0282931.7E	370/15 FT	MARKED/LGTD R	
1345	Antenna	442253.9N 0282928.0E	367/9 FT	MARKED/LGTD R	
1351	Building	442253.4N 0282932.2E	369/15 FT	MARKED/LGTD R	
1641	Tree	442014.8N 0282902.8E	342/39 FT	NIL	
484	Windmill	442212.8N 0282146.9E	853/509 FT	MARKED/LGTD R	
488	Windmill	442140.7N 0282152.0E	873/509 FT	MARKED/LGTD R	
490	Windmill	442058.5N 0282152.6E	837/509 FT	MARKED/LGTD R	
493	Windmill	442121.0N 0282159.9E	876/509 FT	MARKED/LGTD R	
496	Windmill	442214.1N 0282211.0E	879/509 FT	MARKED/LGTD R	
499	Windmill	442154.5N 0282217.2E	902/509 FT	MARKED/LGTD R	
501	Windmill	442134.5N 0282234.2E	876/509 FT	MARKED/LGTD R	
503	Windmill	442058.4N 0282235.5E	833/509 FT	MARKED/LGTD R	

LROD AD 2.1 AERODROME LOCATION INDICATOR AND NAME
LROD - ORADEA / Oradea

LROD AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP coordinates and site at AD*	470124N 0215407E Runway centre.
2	*Direction and distance from city*	225°, 5 km from Oradea.
3	*Elevation/Reference temperature/Mean low temperature*	480 FT / 30.9°C / -10.4°C
4	*Geoid ondulation at AD ELEV PSN*	136 FT
5	*MAG VAR/ Annual change*	6°E (2020) / 7.2'E
6	*AD Operator, address, telephone, telefax, e-mail, AFS, website*	R.A. Aeroportul ORADEA Calea Aradului, Nr. 80, Oradea, cod 410223 Tel: +40-(0)259-416082 / 413952 / 410867 Tel: +40-(0)752-309232 (Operational Service) Telefax: +40-(0)259-413951 / 455641 AFS: LRODRAYD e-mail: airport@aeroportoradea.ro operational@aeroportoradea.ro WEB: www.aeroportoradea.ro SITA: OMRRAXH Tel: +40-(0)775-158956 (Handling Service) e-mail: handling@aeroportoradea.ro (Handling Service) SITA: OMRRAXH (Handling Service)
7	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
8	*Remarks*	NIL

LROD AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	H24
2	*Customs and immigration*	H24
3	*Health and sanitation*	H24
4	*AIS Briefing Office*	As AD Operator, see GEN 3.1-5
5	*ATS Reporting Office (ARO)*	As AD Operator, see ENR 1.10-3
6	*MET Briefing Office*	W: 0500-1900; S: 0400-1800
7	*ATS*	W: 0500-1900; S: 0400-1800
8	*Fueling*	H24
9	*Handling*	H24
10	*Security*	H24
11	*De-icing*	H24
12	*Remarks*	Outside the operational hours of ATS and MET Briefing Office services are available O/R submitted to the AD with 24 hours in advance.

LROD AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	16 luggage trolley, 2 mobile GPU (115V 400Hz and 1 28.5V), 2 Air Starter Unit (155 PPM), 1 towed toilet services vehicle for aircraft, 1 towed potable water service vehicle, 3 self-propelled baggage conveyor, 4 hydraulic towed passenger stair, 4 electric tractors, 2 microbuses for passengers and crews transportation, 1 towbarless towing/push-back tractor, 2 highloader, 25 dollies, 1 aircraft heater, 1 ACU.
2	*Fuel/Oil types*	Fuel Th type Jet A1 / NIL Fuel Th type AVGAS 100LL / NIL
3	*Fueling facilities/capacity*	1 refueling truck of 21 t for Jet A1, 2 refueling trucks of 16 t for Jet A1 1 refueling truck of 1 t for AVGAS 100LL
4	*De-icing facilities*	1 de-icing/anti-icing truck with liquid type I and type II
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	Preliminary information on the request handling services at the aerodrome will be sent to: Tel: +40-(0)775158956 (Handling Service) e-mail: handling@aeroportoradea.ro (Handling Service) SITA: OMRRAXH (Handling Service) Any other way of contact may cause delays at confirmation services.

LROD AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Hotels in town.
2	*Restaurants*	Bar on the airport.
3	*Transportation*	Rent-a-car, taxis from the AD.
4	*Medical facilities*	First aid on the AD, hospitals in town.
5	*Bank and Post Office*	Exchange offices in town; A.T.M. on the AD
6	*Tourist Office*	In town.
7	*Remarks*	2 Rent-a-car Offices: Tel: +40-(0)723-648645; +40-(0)748-110348

LROD AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	Within AD HR: CAT 7
2	*Rescue equipment*	1 electrical portable rescue equipement, 1 powered saw; 1 reciprocating saw.
3	*Capability for removal of disabled aircraft*	Only for code letter A aircraft, maximum wingspan 8,72 M. Airport Operation Center Contact: +40-(0)259-413951.
4	*Remarks*	Outside Ad hours, fire fighting services are available O/R.

LROD AD 2.7 RUNWAY SURFACE CONDITION ASSESSMENT AND REPORTING, AND SNOW PLAN

1	*Types of clearing equipment*	3 equipment with plough, brush and turbo blower, 3 tractors with blade, 1 tractor with blade and trailer, solid deicing spreader, 1 snow blower, 2 sweeping equipment and runway deicing, 2 airport surface friction testers.
2	*Clearance priorities*	1. RWY 19/01 2. TWA A, TWY B, TWY C, TWY E, TWY F, TWY D1, TWY D2 3. APRON 1, APRON 2
3	*Use of material for movement area surface treatment*	RWY de/anti-icing substances type used: Potassium acetate fluid (KAC).
4	*Specially prepared winter runways*	NIL
5	*Remarks*	Information on RWY surface condition in Global Reporting Format is published by SNOWTAM. See also the snow plan in section AD 1.2.2.

LROD AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	*Apron designation, surface and strength*		APRON 1	APRON 2		
		Surface:	Concrete	Concrete		
		Strength:	65/R/C/W/T	73/R/A/W/T		
2	*Taxiway designation, width, surface and strength*		TWY A, B	Apron TWY C,D1,D2	TWY E	Apron TWY F
		Width:	18 M	18 M	18 M	18 M
		Surface:	Concrete	Concrete	Concrete	Concrete
		Strength:	62/R/C/W/T	65/R/C/W/T	71/R/A/W/T	73/R/A/W/T
3	*Altimeter checkpoint location and elevation*	NIL				
4	*VOR checkpoints*	NIL				
5	*INS checkpoints*	See Aircraft Parking/Docking Chart, AD 2.11-22, AD 2.11-23				
6	*Remarks*	RWY turn pad:	Location:	RWY 01 END, 520M before RWY 19 END, RWY 19 END		
			Surface:	Concrete		
			Dimensions:	110 M x 25 M		
			Strength:	RWY 01 END - 70/R/A/W/T 520M before RWY 19 END - 70/R/A/W/T RWY 19 END - 70/R/A/W/T		

a	b	c	d	e	f
LROD_1815	POLE	470131.9N 0215354.6E	478.9/31.5 FT	NIL	NIL
LROD_1816	POLE	470145.1N 0215358.7E	514.0/66.2 FT	NIL	
LROD_1817	POLE	470143.2N 0215358.2E	514.5/66.3 FT	NIL	
LROD_1818	POLE	470139.4N 0215357.1E	514.3/67.5 FT	NIL	
LROD_1819	POLE	470141.3N 0215357.6E	514.9/68.3 FT	NIL	
LROD_1820	POLE	470137.5N 0215356.5E	515.5/67.5 FT	NIL	
LROD_1821	ELECTRICAL	470137.4N 0215356.5E	453.3/5.1 FT	NIL	
LROD_1822	ELECTRICAL	470139.3N 0215357.0E	452.5/5.3 FT	NIL	
LROD_1823	ELECTRICAL	470141.2N 0215357.6E	452.5/5.7 FT	NIL	
LROD_1968	BUILDING	470136.9N 0215356.6E	459.9/11.9 FT	NIL	

LROD AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET Office*	ORADEA
2	*Hours of service* *MET Office outside hours*	H24 -
3	*Office responsable for TAF preparation* *Periods of validity* *Interval of issuance*	LROM 9 HR 3 HR, during aerodrome operational hours
4	*Type of landing forecast* *Interval of issuance*	NIL -
5	*Briefing / consultation provided*	Self-briefing; briefing/consultation on request (see row 8)
6	*Flight documentation* *Language(s) used*	Charts, tabular form, abbreviated plain language text Romanian, English
7	*Charts and other information available for briefing or consultation*	SWC, W/T Charts, SIGMET, METAR, TAF
8	*Supplementary equipment available for providing information*	Tel: +40-(0)259-418554 Fax: +40-(0)259-418554
9	*ATS units provided with information*	ORADEA TWR
10	*Additional information (limitation of service, etc.)*	NIL

LROD AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength (PCN) and surface of RWY and SWY*	*THR coord RWY end coord THR geoid undulation*	*THR elevation and highest elevation of TDZ of precision APP RWY*	*Slope of RWY-SWY*
1	2	3	4	5	6	7
19	191.17°	2520 x 45	70/R/A/W/T Concrete	470159.71N 0215416.92E 470044.43N 0215355.20E GUND 136 FT	THR 450.4 FT TDZ 452.7 FT	0.25% (150 M) 0% (900 M) 0.4% (900 M) 0.8% (570 M)
01	011.16°	2520 x 45	70/R/A/W/T Concrete	470044.43N 0215355.20E 470204.47N 0215418.29E GUND 136 FT	THR 480 FT TDZ 469 FT	-0.8% (570 M) - 0.4% (900 M) 0% (900 M) - 0.25% (150 M)

SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	*RESA dimensions (M)*	*Location and description of ARST system*	*OFZ*	*Remarks*
8	9	10	11	12	13	14
NIL	130 x 180	2640 x 280	240 x 150	NIL	YES	NIL
NIL	260 x 180	2640 x 280	240 x 150	NIL	NIL	NIL

LROD AD 2.13 DECLARED DISTANCES

RWY designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	2	3	4	5	6
19	2520	2650	2520	2370	NIL
01	2520	2780	2520	2520	NIL

LROD AD 2.14 APPROACH AND RWY LIGHTING

RWY Designator	*APCH LGT type LEN INTST*	*THR LGT colour WBAR*	*VASIS (MEHT) PAPI*	*TDZ, LGT, LEN*	*RWY Centre Line LGT Length,spacing, colour, INTST*	*RWY edge LGT LEN, spacing, colour, INTST*	*RWY End LGT colour WBAR*	*SWY LGT LEN(M) colour*	*Remarks*
1	2	3	4	5	6	7	8	9	10
19	CAT II 900M LIH	Green WBAR	PAPI (50FT) 3°	White 900M	1470M, 15M White, LIH 600M, 15M White/Red, LIH 300M, 15M Red, LIH	1770M, 60M, White, LIH 600M, 60M, Yellow, LIH	Red -	NIL	Red edge lights, 150M before THR, only on approach direction
01	CAT II 810M LIH	Green WBAR	PAPI (53FT) 3°	White 900M	1620M, 15M White, LIH 600M, 15M White/Red, LIH 300M, 15M Red, LIH	1920M, 60M, White, LIH 600M, 60M, Yellow, LIH	Red -	NIL	

LROD 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 NIL
3	*TWY edge and centre line lighting*	TWY A, B, E edge blue omnidirectional lights LIL. TWY A, B, C, E, F, D1, D2 centre line green/green lights. TWY A, B, E centre line yellow/green lights.
4	*Secondary power supply/switch-over time*	Secondary power supply for all lighting on the AD; Switch-over time 1 sec.
5	*Remarks*	Apron floodlighting, obstacle lighting.

LROD AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO* *Geoid undulation*	NIL 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

LROD AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	ORADEA CTR A circle, radius 16 NM centred at 470131N 0215409E, limited by FIR boundary.
2	*Vertical limits*	SFC to FL55
3	*Airspace classification*	C
4	*ATS unit call sign* *Language(s)*	Oradea Tower English, Romanian
5	*Transition altitude*	4000 FT AMSL
6	*Hours of aplicability*	As ATS
7	*Remarks*	NIL

AERODROME CHART - ICAO

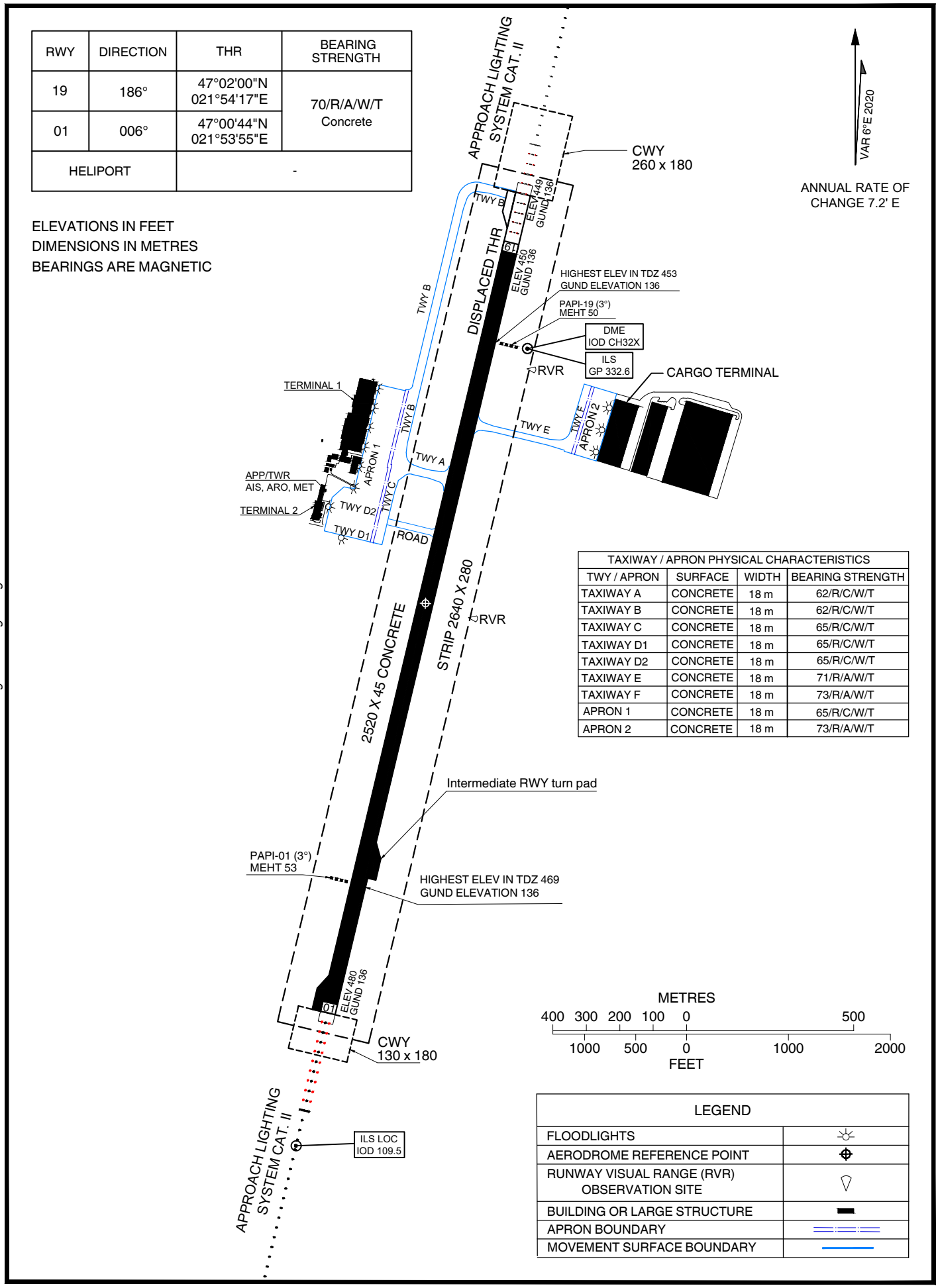
47° 01' 24" N
021° 54' 07" E
ELEV 480FT

ORADEA TOWER	118.455
ORADEA TOWER ALTN	120.200

ORADEA / Oradea (LROD)

RWY	DIRECTION	THR	BEARING STRENGTH
19	186°	47°02'00"N 021°54'17"E	70/R/A/W/T Concrete
01	006°	47°00'44"N 021°53'55"E	
HELIPORT		-	

ELEVATIONS IN FEET
DIMENSIONS IN METRES
BEARINGS ARE MAGNETIC



TAXIWAY / APRON PHYSICAL CHARACTERISTICS			
TWY / APRON	SURFACE	WIDTH	BEARING STRENGTH
TAXIWAY A	CONCRETE	18 m	62/R/C/W/T
TAXIWAY B	CONCRETE	18 m	62/R/C/W/T
TAXIWAY C	CONCRETE	18 m	65/R/C/W/T
TAXIWAY D1	CONCRETE	18 m	65/R/C/W/T
TAXIWAY D2	CONCRETE	18 m	65/R/C/W/T
TAXIWAY E	CONCRETE	18 m	71/R/A/W/T
TAXIWAY F	CONCRETE	18 m	73/R/A/W/T
APRON 1	CONCRETE	18 m	65/R/C/W/T
APRON 2	CONCRETE	18 m	73/R/A/W/T

LEGEND	
FLOODLIGHTS	
AERODROME REFERENCE POINT	
RUNWAY VISUAL RANGE (RVR) OBSERVATION SITE	
BUILDING OR LARGE STRUCTURE	
APRON BOUNDARY	
MOVEMENT SURFACE BOUNDARY	

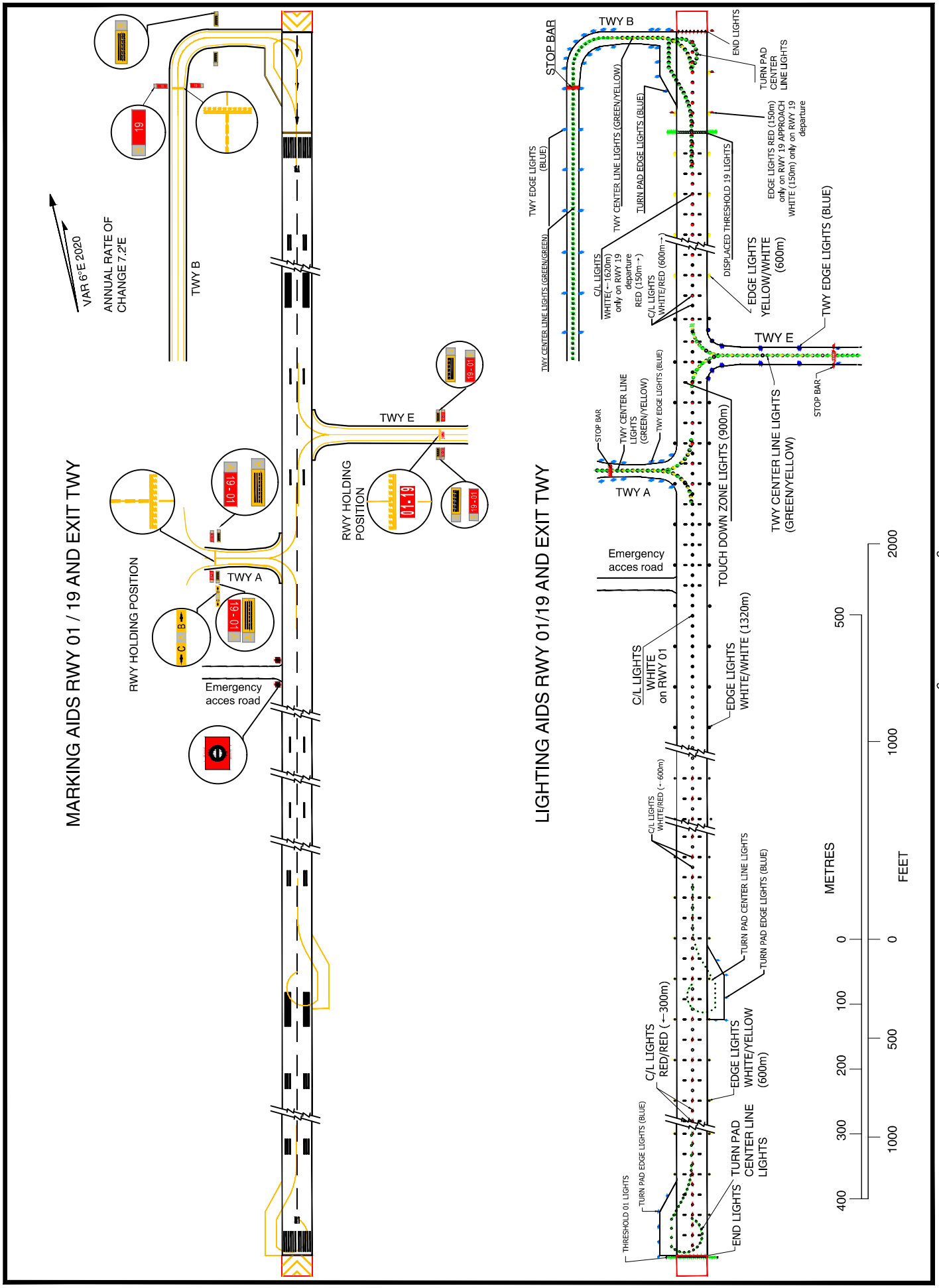
Changes: Bearing strength.

AERODROME CHART - ICAO

47° 01' 24" N
021° 54' 07" E
ELEV 480FT

ORADEA TOWER	118.455
ORADEA TOWER ALTN	120.200

ORADEA /Oradea (LROD)



Changes: TWY E centreline lights corrected.

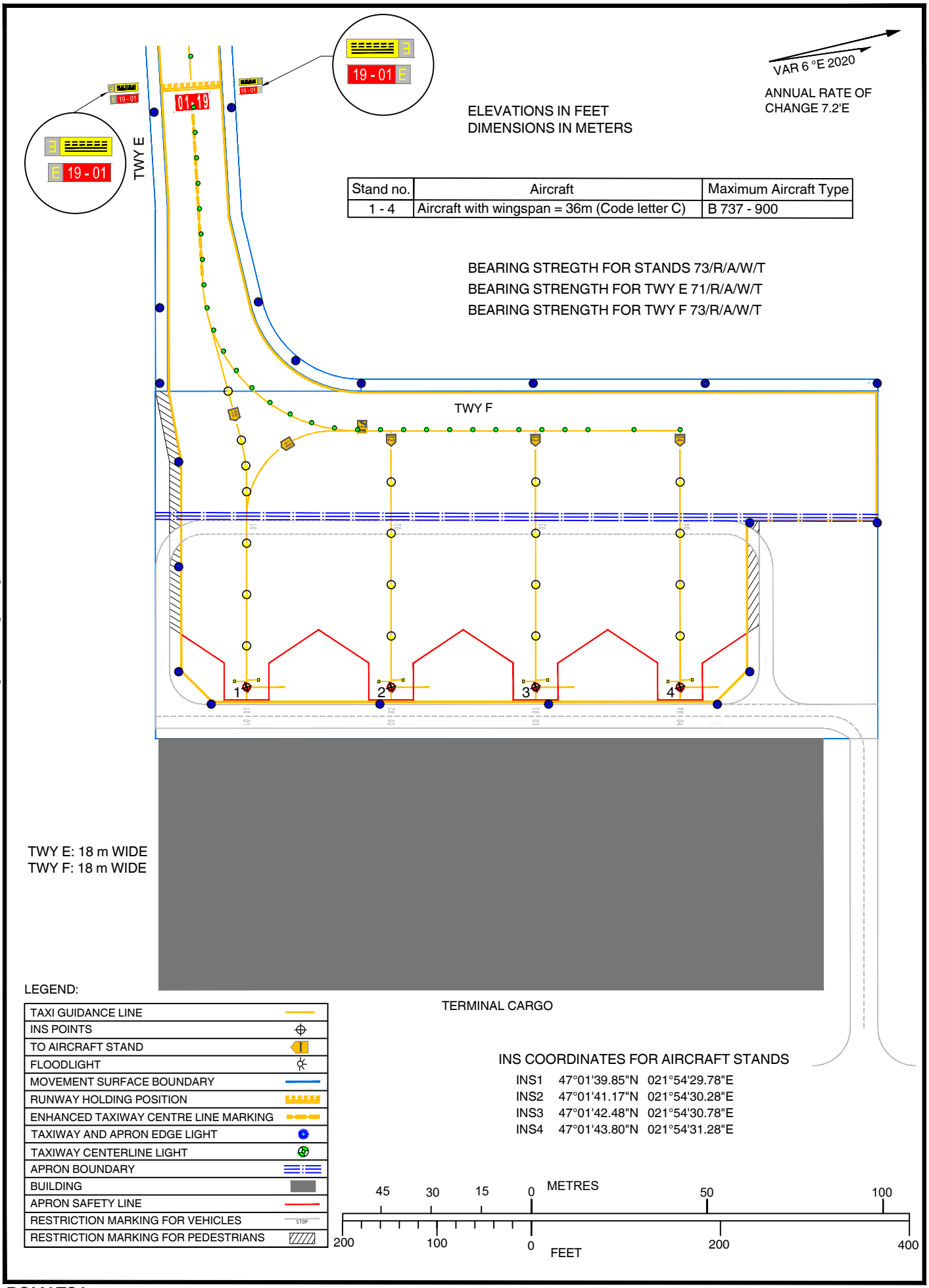
AIRCRAFT PARKING/ DOCKING CHART - ICAO

APRON ELEV 450FT

ORADEA TOWER	118.455
ORADEA TOWER ALTN	120.200

ORADEA / Oradea (LROD)

APRON 2



Stand no.	Aircraft	Maximum Aircraft Type
1 - 4	Aircraft with wingspan = 36m (Code letter C)	B 737 - 900

INS COORDINATES FOR AIRCRAFT STANDS

INS1	47°01'39.85"N	021°54'29.78"E
INS2	47°01'41.17"N	021°54'30.28"E
INS3	47°01'42.48"N	021°54'30.78"E
INS4	47°01'43.80"N	021°54'31.28"E

Changes: Bearing strength.

LRSM AD 2.1 AERODROME LOCATION INDICATOR AND NAME
LRSM - SATU MARE / Satu Mare

LRSM AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP coordinates and site at AD*	474212N 0225308E Runway center.
2	*Direction and distance from city*	14 km South from Satu Mare
3	*Elevation/Reference temperature/mean low temperature*	414 FT / 30.4°C / -11.0°C
4	*Geoid undulation at AD ELEV PSN*	128 FT
5	*MAG VAR/ Annual rate of change*	6°E (2020) / 6.6'E
6	*AD Operator, address, telephone, telefax, e-mail, AFS, website*	Aeroportul Satu Mare Satu Mare, Şos. Satu Mare - Zalău, km 9.5. Tel: +40-(0)261-768640; +40-(0)261-768846 Fax: +40-(0)261-768776 AFS: LRSMRAYD
7	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
8	*Remarks*	NIL

LRSM AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	W: 0500 - 1700; S: 0400 - 1600 Days of operation: MON - SAT
2	*Customs and immigration*	As AD Operator
3	*Health and sanitation*	As AD Operator
4	*AIS Briefing Office*	As AD Operator (See GEN 3.1-5)
5	*ATS Reporting Office (ARO)*	As AD Operator (See ENR 1.10-3)
6	*MET Briefing Office*	As AD Operator
7	*ATS*	W: 0500 - 1700; S: 0400 - 1600 Days of operation: MON - SAT
8	*Fuelling*	As AD Operator
9	*Handling*	As AD Operator
10	*Security*	H24
11	*De-icing*	As AD Operator
12	*Remarks*	Outside these hours, services are available O/R. Request to be submitted to the AD with 24 hours in advance.

LRSM AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	3 self-propelled passenger stairs, 1 towed passenger stairs, 1 self-propelled conveyorbelt, 1 equipment towing tractor, 6 baggage trailers, 2 mobile GPU 115/200V-400HZ and 28V, 1 mobile GPU 28V, 1 air start unit, 1 air cabin heater unit, 1 lavatory service trailer, 1 forklift
2	*Fuel/Oil types*	JET A1 / NIL
3	*Fuelling facilities/capacity*	JET A1 - 1 refueling truck 20000 l
4	*De-icing facilities*	2 de-icing units with fluid type I and type II
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	Handling services available within AD hours, or by arrangement with the AD.

LRSM AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Hotels in the city.
2	*Restaurants*	Snack bar on the airport, restaurants in the city.
3	*Transportation*	Buses, taxis from the AD.
4	*Medical facilities*	First aid at AD. Hospitals in the city.
5	*Bank and Post Office*	Bank and Post Office in the city.
6	*Tourist Office*	In the city.
7	*Remarks*	NIL

LRSM AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	Within AD HR: CAT 5, O/R CAT 7 not later than 24 hours before.
2	*Rescue equipment*	1 hydraulic rescue tools kit - spreader, cutter, rescue ram; 1 battery driven rescue tools kit - spreader, cutter, rescue ram;
3	*Capability for removal of disabled aircraft*	Cranes AVBL via contractor. Local Action Coordinator: +40-744 615 674 for substitute: +40-723 250 296 e-mail: ops@aeroportulsm.ro
4	*Remarks*	NIL

LRSM AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	*Types of clearing equipment*	2 snow ploughs with brush and blower; 1 snow plough; 2 snow blowers; 1 spreader for liquid de-icing materials.
2	*Clearance priorities*	1. RWY 01/19 and associated TWY to Apron 2. Apron 3. ACFT stands
3	*Use of material for movement area surface tratment*	Generic fluids used for movement area de/anti-icing: 1. KFOR (potassium formate fluid); 2. KAC (potassium acetate fluid).
4	*Specially prepared winter runways*	NIL
5	*Remarks*	Information regarding Runway surface condition provided by Runway Condition Report (RCR) and SNOWTAM, according to Global Reporting Format (GRF) method. See also the snow plan in section AD 1.2.2.

LRSM AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	*Apron designation, surface and strength*	Surface: Strength:	Concrete PCN 61/R/C/W/T		
2	*Taxiway designation, width, surface and strength*	Width: Surface: Strength:	23 M Concrete PCN 61/R/C/W/T		
3	*ACL location and elevation*	Location: Elevation:	Apron 407FT(124M)	THR01 414FT(126M)	THR19 407FT(124M)
4	*VOR checkpoints*	NIL			
5	*INS checkpoints*	See AD 2.12-22			
6	*Remarks*	RWY turning bay:	Location: THR 01, THR 19 Surface: Asphalt Dimensions: 100 M x 15 M Strength: PCN 61/R/C/W/T		

LRSM AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	*Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands*	Taxiing guidance signs at intersection with TWY. Mandatory instructions markings. Guide lines at apron. For all stands parking guidance provided by marshallers. Visual docking guidance system for aircraft stands: NIL.
2	*RWY and TWY markings and LGT*	RWY: - markings: designation, THR, TDZ, aiming point, centre line, side stripes; - lights: THR, centre line, edge, runway end, TDZ lights on RWY19; TWY A: - markings: centre line, enhanced centre line, edge, holding position at TWY/RWY intersection; - lights: centre line, edge;
3	*Stop bars and runway guard lights*	TWY A: Stop bar and runway guard lights at holding position
4	*Other RWY protection measure*	NIL
5	*Remarks*	RWY turn pads: - markings: color yellow: centre line, edge line; - lights: centre line, edge;

LRSM AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	OBST type	OBST position	ELEV/HGT	Markings/ Type, colour	Remarks
a	b	c	d	e	f
LRSM_147	POLE	474304.0N 0225326.0E	415/10FT	NIL	Electronic form of obstacle data sets for Area 2 are available (see GEN 3.1.6)
LRSM_148	POLE	474305.0N 0225326.3E	416/13FT	NIL	
LRSM_149	POLE	474305.9N 0225326.6E	416/13FT	NIL	
LRSM_150	POLE	474306.8N 0225326.9E	417/14FT	NIL	
LRSM_151	POLE	474307.8N 0225327.3E	417/15FT	NIL	
LRSM_152	POLE	474308.7N 0225327.6E	418/15FT	NIL	
LRSM_153	POLE	474309.7N 0225327.9E	417/13FT	NIL	
LRSM_154	POLE	474310.6N 0225328.2E	417/13FT	NIL	
LRSM_155	POLE	474311.6N 0225328.6E	419/16FT	NIL	
LRSM_156	POLE	474312.5N 0225328.9E	417/14FT	NIL	
LRSM_157	POLE	474313.5N 0225329.2E	419/19FT	NIL	
LRSM_159	POLE	474315.4N 0225329.9E	420/19FT	NIL	
LRSM_160	POLE	474316.3N 0225330.2E	422/20FT	NIL	
LRSM_170	TREE	474320.6N 0225321.3E	427/26FT	NIL	
LRSM_171	SIGN	474321.7N 0225321.9E	427/26FT	NIL	
LRSM_196	POLE	473936.3N 0225439.5E	600/129FT	NIL	
LRSM_197	POLE	473934.2N 0225435.6E	592/129FT	NIL	
LRSM_198	POLE	473932.7N 0225431.2E	591/129FT	NIL	
LRSM_199	POLE	473931.2N 0225427.6E	590/129FT	NIL	
LRSM_200	POLE	473929.7N 0225424.1E	572/129FT	NIL	
LRSM_201	POLE	473928.1N 0225420.3E	607/129FT	NIL	
LRSM_256	ANTENNA	474314.1N 0225341.7E	480/75FT	NIL	
LRSM_258	ANTENNA	474243.6N 0225324.3E	425/21FT	Marked/ LGTD R	
LRSM_260	ANTENNA	475115.4N 0225829.6E	856/446FT	Marked/ LGTD R	
LRSM_261	ANTENNA	475117.8N 0225824.3E	862/452FT	Marked/ LGTD R	
LRSM_263	POLE	474240.4N 0225311.2E	439/35FT	Marked/ LGTD R	
LRSM_264	POLE	474239.9N 0225311.0E	440/36FT	Marked/ LGTD R	
LRSM_286	ANTENNA	474719.2N 0225222.2E	745/339FT	NIL	
LRSM_287	ANTENNA	474223.0N 0225253.9E	472/62FT	NIL	
LRSM_288	ANTENNA	474222.9N 0225254.1E	485/76FT	NIL	
LRSM_293	BUILDING	474222.8N 0225254.7E	485/77FT	NIL/ LGTD R	
LRSM_351	BUILDING	474200.9N 0225449.6E	506/95FT	NIL	
LRSM_353	BUILDING	474059.9N 0225150.9E	489/76FT	NIL	
LRSM_354	BUILDING	474107.2N 0225101.2E	538/133FT	NIL	
LRSM_355	BUILDING	473816.6N 0225312.5E	639/155FT	NIL	
LRSM_356	BUILDING	473858.1N 0225641.9E	836/61FT	NIL	
LRSM_357	BUILDING	473949.5N 0225720.6E	691/115FT	NIL	
LRSM_521	BUILDING	473912.0N 0225725.5E	691/58FT	NIL	
LRSM_563	ANTENNA	473910.2N 0225323.4E	594/112FT	Marked/ LGTD R	
LRSM_564	ANTENNA	473857.5N 0225640.9E	878/108FT	NIL/ LGTD R	
LRSM_570	ANTENNA	474346.7N 0225231.5E	502/100FT	NIL/ LGTD R	
LRSM_571	ANTENNA	474342.6N 0225233.2E	513/111FT	NIL/ LGTD R	
LRSM_596	ANTENNA	474241.0N 0225323.5E	452/48FT	Marked/ LGTD R	
LRSM_598	VEGETATION	474119.3N 0225340.0E	475/66FT	NIL	
LRSM_602	POLE	474223.4N 0225256.9E	471/66FT	Marked/ LGTD R	
LRSM_603	POLE	474221.4N 0225256.1E	474/67FT	Marked/ LGTD R	
LRSM_604	TREE	474315.6N 0225341.6E	477/72FT	NIL	
LRSM_605	TREE	474315.0N 0225339.7E	464/59FT	NIL	
LRSM_614	POLE	474347.9N 0225217.7E	498/97FT	NIL	
LRSM_645	POLE	473820.4N 0225829.3E	774/135FT	NIL	
LRSM_647	POLE	474348.2N 0225213.2E	494/92FT	NIL	
LRSM_657	NAVAID	474338.7N 0225337.9E	451/48FT	NIL/ LGTD R	
LRSM_772	POLE	474243.0N 0225312.3E	427/23FT	Marked/ LGTD R	
LRSM_773	POLE	474141.0N 0225303.8E	432/23FT	Marked/ LGTD R	
LRSM_983	ANTENNA	474057.2N 0225111.6E	510/105FT	NIL/ LGTD R	

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	b	c	d	e	f
LRSM_2	BUILDING	474220.3N 0225256.6E	415.1/9.0FT	NIL	Electronic form of obstacle data sets for Area 3 are available (see GEN 3.1.6)
LRSM_3	TREE	474220.2N 0225257.5E	429.5/23.3FT	NIL	
LRSM_4	TREE	474219.7N 0225257.4E	431.1/25.2FT	NIL	
LRSM_5	TREE	474219.6N 0225257.0E	417.9/12.0FT	NIL	
LRSM_6	TREE	474219.6N 0225256.6E	426.0/19.8FT	NIL	
LRSM_7	BUILDING	474219.8N 0225256.4E	421.1/14.8FT	NIL	
LRSM_8	BUILDING	474219.0N 0225255.5E	425.8/15.7FT	NIL	
LRSM_41	OTHER	474222.0N 0225258.2E	416.5/9.4FT	NIL	
LRSM_49	SIGN	474220.2N 0225304.9E	408.9/3.4 FT	NIL	
LRSM_50	OTHER	474218.7N 0225301.5E	415.1/7.9FT	NIL	
LRSM_54	NAVAID	474142.3N 0225256.0E	414.0/2.9FT	NIL	
LRSM_55	NAVAID	474142.3N 0225255.6E	413.7/3.6FT	NIL	
LRSM_56	NAVAID	474142.4N 0225255.2E	413.9/3.5FT	NIL	
LRSM_57	NAVAID	474142.5N 0225254.8E	413.9/3.6FT	NIL	
LRSM_58	SIGN	474133.8N 0225250.5E	418.4/7.7FT	NIL	
LRSM_92	NAVAID	474241.8N 0225320.2E	408.7/3.0FT	NIL	
LRSM_93	NAVAID	474241.7N 0225320.6E	408.5/3.5FT	NIL	
LRSM_94	NAVAID	474241.7N 0225321.0E	408.3/3.5FT	NIL	
LRSM_95	NAVAID	474241.6N 0225321.4E	408.5/3.5FT	NIL	
LRSM_290	POLE	474223.9N 0225304.7E	428.6/23.6FT	MARKED/LGTD R	
LRSM_602	POLE	474223.4N 0225256.9E	471.4/66.0FT	MARKED/LGTD R	
LRSM_603	POLE	474221.4N 0225256.1E	474.0/67.2FT	MARKED/LGTD R	
LRSM_619	POLE	474222.5N 0225256.9E	418.2/11.3FT	NIL	
LRSM_620	POLE	474222.3N 0225257.9E	418.3/11.3FT	NIL	
LRSM_623	POLE	474222.1N 0225257.9E	418.6/11.3FT	NIL	
LRSM_624	POLE	474221.8N 0225258.3E	418.3/11.3FT	NIL	
LRSM_626	POLE	474222.3N 0225256.9E	418.0/11.3FT	NIL	
LRSM_627	POLE	474222.4N 0225258.5E	418.4/11.3FT	NIL	
LRSM_770	BUILDING	474225.2N 0225303.3E	421.4/16.4FT	NIL	
LRSM_1159	SIGN	474221.9N 0225305.5E	408.5/3.3FT	NIL	
LRSM_1160	SIGN	474216.5N 0225307.9E	411.2/3.3FT	NIL	
LRSM_1161	SIGN	474224.4N 0225310.6E	409.8/3.3FT	NIL	
LRSM_1162	FENCE	474226.0N 0225258.1E	411.9/6.6 FT	NIL	

LRSM AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET Office*	SATU MARE
2	*Hours of service* *MET Office outside hours*	As ATS -
3	*Office responsible for TAF preparation* *Periods of validity* *Interval of issuance*	LROM 9 HR 3 HR, during aerodrome operational hours
4	*Type of landing forecast* *Interval of issuance*	NIL -
5	*Briefing / consultation provided*	Self-briefing; briefing/consultation on request (see row 8)
6	*Flight documentation* *Language(s) used*	Charts, tabular form, abbreviated plain language text Romanian, English
7	*Charts and other information available for briefing or consultation*	SWC, W/T Charts, SIGMET, METAR, TAF.
8	*Supplementary equipment available for providing information*	Tel: +40-(0)261-770010 Fax: +40-(0)261-770010
9	*ATS units provided with information*	SATU MARE TWR
10	*Additional information (limitation of service, etc.)*	NIL

LRSM AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY (M)	Strength (PCN) and surface of RWY and SWY	THR coord RWY end coord THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY	Slope of RWY-SWY
1	2	3	4	5	6	7
01	013.03°	2500 x 45	61/R/C/W/T Asphalt	474132.87N 0225254.64E 474251.72N 0225321.73E GUND 128 FT	THR 414 FT	0% (1250 M) -0.1% (1250 M)
19	193.03°	2500 x 45	61/R/C/W/T Asphalt	474251.72N 0225321.73E 474132.87N 0225254.64E GUND 128.4 FT	THR 407.5 FT TDZ 408.6 FT	0.1% (1250 M) 0% (1250 M)

SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	RESA dimensions (M)	Location and description of ARST system	OFZ	Remarks
8	9	10	11	12	13	14
NIL	400 x 240	2620 x 280	180 x 90	NIL	NIL	NIL
NIL	400 x 240	2620 x 280	180 x 90	NIL	NIL	NIL

LRSM AD 2.13 DECLARED DISTANCES

RWY designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
01	2500	2900	2500	2500	NIL
19	2500	2900	2500	2500	NIL

LRSM AD 2.14 APPROACH AND RWY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing colour, INTST	RWY End LGT colour WBAR	SWY LGT LEN(M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
01	SALS 420M, LIH	Green -	PAPI Left/3° (46 FT)	Nil	1600M, 15M, White, LIH 600M, 15M, Red/White, LIH 300M, 15M, Red, LIH	1900M, 59M, White, LIH 600M, 59M, Yellow, LIH	Red -	NIL	LED lights are exclusively used for lighting systems described in columns 2,3,7,8
19	CAT II 900M, LIH	Green WBAR	PAPI Left/3° (49 FT)	White 900M	1600M, 15M, White, LIH 600M, 15M, Red/White, LIH 300M, 15M, Red, LIH	1900M, 59M, White, LIH 600M, 59M, Yellow, LIH	Red -	NIL	

LRSM 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 Anemometer at 150 M from THR 19, HJ.
3	*TWY edge and centre line lighting*	TWY edge blue omnidirectional lights LIL. TWY centre line green/green; yellow/green lights, 15M (7.5M) spacing.
4	*Secondary power supply/switch-over time*	Secondary power supply to all lighting at AD. Switch-over time: 1 SEC.
5	*Remarks*	NIL

LRSM AD 2.16 HELICOPTER LANDING AREA

1	*Coordinates TLOF or THR of FATO* *Geoid undulation*	NIL 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

LRSM AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	SATU MARE CTR 474738N 0222632E - FIR boundary - 474437N 0222510E - 473332N 0223120E - 472706N 0224758E - 472929N 0230730E - 474140N 0230939E - 475910N 0230200E - FIR boundary - 474738N 0222632E
2	*Vertical limits*	SFC to FL55
3	*Airspace classification*	C
4	*ATS unit call sign* *Language(s)*	Satu Mare Tower English, Romanian
5	*Transition altitude*	4000 FT (1200 M) AMSL
6	*Hours of aplicability*	W: 0500-1700 S: 0400-1600 Days of operation: MON-SAT
7	*Remarks*	1. CTR established during hours of operation of ATS. See NOTAMs for changes. 2. Outside hours of operation of ATS airspace classification is G. 3. Outside hours of operation of ATS it is recommended to monitor Satu Mare TWR FREQ and check on FIS FREQ about CTR status.

LRSM 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	Satu Mare Tower	119.655 118.800 MHz ALTN 121.500 MHz EMERG	NIL	NIL	W: 0500 - 1700 S: 0400 - 1600	Days of operation: Monday - Saturday Exempted 8.33 kHz State aircraft.
APP	Satu Mare Tower	118.800 MHz	NIL	NIL	W: 0500 - 1700 S: 0400 - 1600	Procedural service Days of operation: Monday - Saturday

LRSM 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*	*Elevation 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/DME (6°E/2020)	SAT	108.400 MHz (CH 21X)	H24	474338.7N 0225337.9E	500 FT	NIL	007° MAG / 0.8 NM from THR 19 Coverage 150 NM (assumed)
LOC 19 (6°E/2020) ILS CAT I (II.T.3)	ISM	110.950 MHz	H24	474123.7N 0225251.5E	-	NIL	Front course angle 4.31°
GP 19	-	330.650 MHz	H24	474241.1N 0225323.5E	-	NIL	GP Angle 3° ILS RDH 54 FT
DME 19	ISM	CH 46Y	H24	474240.9N 0225323.7E	400 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.

LRSM AD 2.20 LOCAL AERODROME REGULATIONS

- NIL -

LRSM AD 2.21 NOISE ABATEMENT PROCEDURES

See AD 1.1-3

LRSM AD 2.22 FLIGHT PROCEDURES

- NIL -

LRSM AD 2.23 ADDITIONAL INFORMATION

- NIL -

LRSM AD 2.24 CHARTS RELATED TO THE AERODROME

LRSM AD 2.25 VISUAL SEGMENT SURFACE (VSS) PENETRATION

Not applicable

LRSV AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	OBST type	OBST position	ELEV/HGT	Markings/ Type, colour	Remarks
a	b	c	d	e	f
LRSV_1	ANTENNA	474113.2N 0262049.1E	1435/58FT	NIL/LGTD R	
LRSV_5	ANTENNA	474057.1N 0262115.8E	1373/37FT	MARKED/LGTD R	
LRSV_7	ANTENNA	473945.2N 0260904.7E	2416/687FT	MARKED/LGTD R	
LRSV_33	BUILDING	474108.1N 0262101.6E	1416/54FT	NIL/LGTD R	
LRSV_34	BUILDING	474119.3N 0262049.7E	1437/58FT	NIL/LGTD R	
LRSV_42	BUILDING	474104.8N 0262134.8E	1380/54FT	NIL/LGTD R	
LRSV_57	TREE	474151.9N 0261737.3E	1550/98FT	NIL	
LRSV_62	TREE	474205.0N 0262100.7E	1399/37FT	NIL	
LRSV_63	TREE	474205.6N 0262101.2E	1391/29FT	NIL	
LRSV_64	TREE	474205.6N 0262100.6E	1392/30FT	NIL	
LRSV_66	TREE	474207.0N 0262058.4E	1417/56FT	NIL	
LRSV_67	TREE	474208.9N 0262057.7E	1409/49FT	NIL	
LRSV_68	TREE	474211.0N 0262056.3E	1414/55FT	NIL	
LRSV_69	TREE	474208.4N 0262056.5E	1409/49FT	NIL	
LRSV_71	TREE	474214.3N 0262053.7E	1398/38FT	NIL	
LRSV_105	POLE	474118.5N 0262048.2E	1440/60FT	NIL	
LRSV_106	POLE	474036.1N 0262206.4E	1414/99FT	NIL	
LRSV_107	POLE	474035.7N 0262205.4E	1416/101FT	NIL	
~~LRSV_112~~	~~NAVAID~~	~~474035.8N 0262205.9E~~	~~1384/69FT~~	~~NIL/LGTD R~~	
LRSV_133	CONTROL_TOWER	474106.8N 0262102.4E	1429/72FT	NIL/LGTD R	
LRSV_134	ANTENNA	474101.7N 0262113.6E	1354/10FT	MARKED/LGTD R	
LRSV_136	ANTENNA	474053.4N 0262117.8E	1355/20FT	MARKED/LGTD R	
LRSV_137	ANTENNA	474051.4N 0262119.0E	1355/21T	MARKED/LGTD R	
LRSV_139	BUILDING	474053.4N 0262117.7E	1345/10FT	NIL/LGTD R	
LRSV_142	NAVAID	474053.3N 0262118.2E	1385/49FT	MARKED/LGTD R	
~~LRSV_143~~	~~TREE~~	~~474149.0N 0261819.2E~~	~~1558/98FT~~	~~NIL~~	
LRSV_144	POLE	474106.9N 0262102.2E	1435/78FT	NIL	
LRSV_145	POLE	474112.3N 0262101.1E	1432/64FT	MARKED/LGTD R	
LRSV_146	POLE	474105.8N 0262104.0E	1424/68FT	MARKED/LGTD R	
LRSV_148	TREE	474217.0N 0262053.6E	1444/82 FT	NIL	
LRSV_149	TREE	474211.9N 0262059.6E	1444/82FT	NIL	
~~LRSV_150~~	~~TREE~~	~~474151.7N 0262117.9E~~	~~1444/82FT~~	~~NIL~~	
~~LRSV_152~~	~~TREE~~	~~474314.9N 0261731.0E~~	~~1594/92FT~~	~~NIL~~	
~~LRSV_153~~	~~TREE~~	~~474152.4N 0261824.9E~~	~~1542/82FT~~	~~NIL~~	
~~LRSV_154~~	~~TREE~~	~~474201.7N 0261939.9E~~	~~1509/82FT~~	~~NIL~~	
LRSV_307	POLE	474159.2N 0262053.5E	1382/18FT	NIL	
LRSV_308	POLE	474159.6N 0262055.6E	1382/19FT	NIL	
LRSV_313	POLE	474107.7N 0262100.1E	1411/50FT	NIL/LGTD R	
LRSV_353	NAVAID	474159.4N 0262054.6E	1381/17FT	NIL	
LRSV_355	NAVAID	474137.8N 0262111.0E	1392/18FT	NIL	
LRSV_376	POLE	474106.7N 0262101.1E	1427/69FT	NIL/LGTD R	
LRSV_377	POLE	474108.0N 0262103.0E	1428/67FT	NIL/LGTD R	
LRSV_378	POLE	474110.2N 0262102.1E	1430/70FT	NIL/LGTD R	
LRSV_490	POLE	474140.8N 0261753.1E	1525/117FT	NIL	
LRSV_492	POLE	474131.1N 0261810.3E	1512/119FT	NIL	
LRSV_493	POLE	474122.6N 0261814.0E	1507/110FT	NIL	
LRSV_600	POLE	474143.7N 0261833.8E	1489/67FT	NIL	
LRSV_601	POLE	474137.9N 0261833.4E	1527/67FT	NIL	
LRSV_602	POLE	474132.1N 0261833.0E	1542/67FT	NIL	
LRSV_603	POLE	474126.2N 0261832.6E	1543/67FT	NIL	
LRSV_604	POLE	474120.5N 0261832.1E	1523/67FT	NIL	
LRSV_692	BUILDING	474056.4N 0262110.2E	1359/21FT	NIL	
LRSV_693	BUILDING	474055.1N 0262111.0E	1366/28FT	NIL/LGTD R	
LRSV_694	POLE	474110.1N 0262100.4E	1419/58FT	NIL	
LRSV_695	BUILDING	474110.2N 0262100.5E	1405/43FT	NIL/LGTD R	
LRSV_696	POLE	474116.3N 0262058.5E	1423/50FT	NIL	
LRSV_697	BUILDING	474107.1N 0262102.8E	1379/19FT	NIL/LGTD R	
LRSV_698	BUILDING	474115.5N 0262102.6E	1380/8FT	NIL/LGTD R	
LRSV_699	POLE	474115.9N 0262102.0E	1394/22FT	NIL	
LRSV_700	POLE	474106.9N 0262103.3E	1392/32FT	NIL	
LRSV_701	POLE	474115.7N 0262102.9E	1391/19FT	NIL/LGTD R	
LRSV_702	POLE	474116.1N 0262102.8E	1391/19FT	NIL/LGTD R	
LRSV_703	POLE	474115.8N 0262101.6E	1390/18FT	NIL/LGTD R	
LRSV_704	POLE	474115.5N 0262101.7E	1390/18FT	NIL/LGTD R	
LRSV_705	POLE	474113.3N 0262056.8E	1416/41FT	NIL	
LRSV_706	POLE	474111.9N 0262057.3E	1417/42FT	NIL	
LRSV_707	POLE	474112.8N 0262055.0E	1417/41FT	NIL	
LRSV_708	POLE	474112.1N 0262055.3E	1416/41FT	NIL	
LRSV_709	POLE	474111.2N 0262055.5E	1415/41FT	NIL	

Electronic form of obstacle data sets for Area 2 are available (see GEN 3.1.6)

In Area 3					
OBST ID/ Designation	*OBST type*	*OBST position*	*ELEV/HGT*	*Markings/ Type, colour*	*Remarks*
a	b	c	d	e	f
LRSV_33	BUILDING	474108.1N 0262101.6E	1416.0/54.1FT	NIL	Electronic form of obstacle data sets for Area 3 are available (see GEN 3.1.6)
LRSV_39	BUILDING	474114.0N 0262100.8E	1398.0/27.2FT	NIL	
LRSV_40	BUILDING	474113.0N 0262100.1E	1399.3/29.2FT	NIL	
LRSV_41	BUILDING	474114.9N 0262100.1E	1397.6/24.9FT	NIL/LGTD R	
LRSV_52	TREE	474114.8N 0262100.8E	1401.9/30.5FT	NIL	
LRSV_53	TREE	474114.8N 0262100.7E	1400.9/29.5FT	NIL	
LRSV_54	TREE	474114.7N 0262100.6E	1404.2/32.5FT	NIL	
LRSV_55	TREE	474114.6N 0262100.5E	1401.2/30.2FT	NIL	
LRSV_133	CONTROL_TOWER	474106.8N 0262102.4E	1429.1/72.2FT	NIL	
LRSV_140	BUILDING	474114.2N 0262057.8E	1399.6/23.6FT	NIL/LGTD R	
LRSV_144	POLE	474106.9N 0262102.2E	1435.4/78.4FT	NIL	
LRSV_145	POLE	474112.3N 0262101.1E	1431.8/64.3FT	MARKED/LGTD R	
LRSV_146	POLE	474105.8N 0262104.0E	1424.5/67.9FT	MARKED/LGTD R	
LRSV_147	NAVAID	474119.2N 0262106.5E	1374.3/9.2FT	MARKED/LGTD R	
LRSV_316	POLE	474109.0N 0262101.2E	1401.7/40.2FT	NIL	
LRSV_340	BUILDING	474116.3N 0262057.9E	1409.5/36.4FT	NIL	
LRSV_341	BUILDING	474114.5N 0262100.9E	1390.0/17.8FT	NIL	
LRSV_352	BUILDING	474110.6N 0262101.7E	1403.2/43.5FT	NIL	
LRSV_354	NAVAID	474115.8N 0262103.0E	1397.4/25.2FT	NIL	
LRSV_356	SIGN	474104.3N 0262117.6E	1350.2/2.6FT	NIL	
LRSV_357	SIGN	474110.8N 0262114.6E	1357.2/2.7FT	NIL	
LRSV_358	SIGN	474112.1N 0262114.1E	1358.5/2.6FT	NIL	
LRSV_359	SIGN	474118.7N 0262111.2E	1365.3/2.6FT	NIL	
LRSV_360	SIGN	474115.5N 0262108.3E	1363.5/3.2FT	NIL	
LRSV_361	SIGN	474115.4N 0262108.2E	1363.4/3.1FT	NIL	
LRSV_362	SIGN	474113.7N 0262109.0E	1362.2/3.2FT	NIL	
LRSV_363	SIGN	474113.7N 0262108.9E	1362.2/3.2FT	NIL	
LRSV_364	SIGN	474107.7N 0262111.8E	1355.5/3.3FT	NIL	
LRSV_365	SIGN	474107.7N 0262111.7E	1355.5/3.3FT	NIL	
LRSV_366	SIGN	474105.9N 0262112.5E	1355.4/3.2FT	NIL	
LRSV_367	SIGN	474105.8N 0262112.4E	1355.4/3.2FT	NIL	
LRSV_368	NAVAID	474054.4N 0262120.4E	1340.2/3.1FT	NIL	
LRSV_369	NAVAID	474054.5N 0262120.8E	1340.3/2.8FT	NIL	
LRSV_370	NAVAID	474054.6N 0262121.2E	1340.3/2.6FT	NIL	
LRSV_371	NAVAID	474054.7N 0262121.6E	1340.3/2.3FT	NIL	
LRSV_372	NAVAID	474139.2N 0262106.9E	1375.8/3.4FT	NIL	
LRSV_373	NAVAID	474139.1N 0262106.5E	1376.1/3.1FT	NIL	
LRSV_374	NAVAID	474139.1N 0262106.0E	1376.6/2.7FT	NIL	
LRSV_375	NAVAID	474139.0N 0262105.6E	1376.7/2.4FT	NIL	
LRSV_377	POLE	474108.0N 0262103.0E	1428.5/66.6FT	NIL	
LRSV_378	POLE	474110.2N 0262102.1E	1429.8/70.1FT	NIL	
LRSV_694	POLE	474110.1N 0262100.4E	1419.7/58FT	NIL	
LRSV_695	BUILDING	474110.2N 0262100.5E	1405.3/43.6FT	NIL/LGTD R	
LRSV_696	POLE	474116.3N 0262058.5E	1423.8/50.5FT	NIL	
LRSV_697	BUILDING	474107.1N 0262102.8E	1379.1/19.3FT	NIL/LGTD R	
LRSV_698	BUILDING	474115.5N 0262102.6E	1380.6/8.8FT	NIL/LGTD R	
LRSV_699	POLE	474115.9N 0262102.0E	1394.2/22.6FT	NIL	
LRSV_700	POLE	474106.9N 0262103.3E	1392.4/32.8FT	NIL	
LRSV_701	POLE	474115.7N 0262102.9E	1391.0/19.3FT	NIL/LGTD R	
LRSV_702	POLE	474116.1N 0262102.8E	1391.0/19.3FT	NIL/LGTD R	
LRSV_703	POLE	474115.8N 0262101.6E	1390.3/18.7FT	NIL/LGTD R	
LRSV_704	POLE	474115.5N 0262101.7E	1390.0/18.3FT	NIL/LGTD R	

LRSV AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET Office*	SUCEAVA
2	*Hours of service* *MET Office outside hours*	H24 -
3	*Office responsible for TAF preparation* *Periods of validity* *Interval of issuance*	LROM 9 HR 3 HR, during aerodrome operational hours
4	*Type of landing forecast* *Interval of issuance*	NIL -
5	*Briefing / consultation provided*	Self-briefing; briefing/consultation on request (see row 8)
6	*Flight documentation* *Language(s) used*	Charts, tabular form, abbreviated plain language text Romanian, English
7	*Charts and other information available for briefing or consultation*	SWC, W/T Charts, SIGMET, METAR, TAF.
8	*Supplementary equipment available for providing information*	Tel / Fax: +40-(0)230-535603
9	*ATS units provided with information*	SUCEAVA TWR
10	*Additional information (limitation of service, etc.)*	NIL

LRTC AD 2.1 AERODROME LOCATION INDICATOR AND NAME

LRTC - TULCEA / Delta Dunării Tulcea

LRTC AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP co-ordinates and site at AD*	450346N 0284252E Runway centre.
2	*Direction and distance from city*	13 km South from Tulcea.
3	*Elevation/Reference temperature/Mean low temperature*	200 FT / 31.7°C / -12.2°C
4	*Geoid undulation at AD ELEV PSN*	105 FT
5	*MAG VAR/ Annual rate of change*	6°E (2019) / 7.2'E
6	*AD Operator, address, telephone, telefax, e-mail, AFS, website*	R. A. AEROPORTUL "DELTA DUNĂRII" TULCEA, Şos. Tulcea-Constanţa Km 15 Loc. Tulcea, Judeţul Tulcea, România Tel: +40-(0)240-512910; +40-(0)240-513552 Fax: +40-(0)240-511040; Tel/Fax TWR: +40-(0)240-511581 AFS: LRTCRAYD SITA: TCEAPXH e-mail: office@aeroportul-tulcea.ro; ops@aeroportul-tulcea.ro; handling@aeroportul-tulcea.ro web: www.aeroportul-tulcea.ro
7	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
8	*Remarks*	NIL

LRTC AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	W: 0530-1730; S: 0430-1630
2	*Customs and immigration*	As AD Operator
3	*Health and sanitation*	As AD Operator
4	*AIS Briefing Office*	As AD Operator (See GEN 3.1-6)
5	*ATS Reporting Office (ARO)*	As AD Operator (See ENR 1.10-3)
6	*MET Briefing Office*	As AD Operator
7	*ATS*	W: 0530-1730; S: 0430-1630
8	*Fuelling*	W: 0530-1730; S: 0430-1630
9	*Handling*	As AD Operator
10	*Security*	As AD Operator
11	*De-icing*	W: 0530-1730; S: 0430-1630
12	*Remarks*	Outside the operational hours services are available O/R, submitted to the AD not later than 1300.

LRTC AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	1 tractor 2.67 t, 1 GPU 115V AC 400HZ/28V DC/90KVA type GPU-4090-T-CUP, 1 GPU 28V DC/20KVA type GPU-600-S 6883 A-2, 1 ASU type ASU-600-150, 1 ACE type ACE302-H-cup, 1 water supply type WSC 300, 1 lavatory equipment type LSC 100/300, 1 towbar type DPTB 033/B737, 1 towbar - A320/321, 1 towbar AN24/AN26, 1 conveyor belt A/C type NBL, 1 passenger stair type PPS 30 (H.max 3.05m H.min 1.6m), 2 passenger stairs (H.max 4.9m H.min 2.8m), 1 towing tractor type TMX-150/12t, 10 baggage carts type BT 1500, 4 baggage carts type BDK 1520, 1 follow-me car, one airport surface friction tester ASFT/T10.
2	*Fuel/Oil types*	Kerosene JET A1/NIL
3	*Fuelling facilities/capacity*	Store house fuel/100t for JET A1. Skid on apron JET A1 500L per min.
4	*De-icing facilities*	2 de/anti-icing units, type II ACFT de/anti-icing fluide.
5	*Hangar space for visiting aircraft*	NIL
6	*Repair facilities for visiting aircraft*	NIL
7	*Remarks*	NIL

LRTC AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Hotels in the city.
2	*Restaurants*	Snack bar on the AD.
3	*Transportation*	Buses and minibuses from the city.
4	*Medical facilities*	1 ambulance on the airport, 1 first aid room on the airport, hospitals in the city.
5	*Bank and Post Office*	In the city.
6	*Tourist Office*	In the city.
7	*Remarks*	NIL

LRTC AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	CAT 7
2	*Rescue equipment*	2 Rescue and firefighting vehicles with extrication equipment.
3	*Capability for removal of disabled aircraft*	Cranes AVBL via contractor.
4	*Remarks*	NIL

LRTC AD 2.7 RUNWAY SURFACE CONDITION ASSESSMENT AND REPORTING, AND SNOW PLAN

1	*Types of clearing equipment*	1 combine equipment with plough, brush, sweep blower and de-icing liquid spreader, 1 snowblower, 1 small truck with blade, cup and spreader de-icing.
2	*Clearance priorities*	1. RWY 16/34 2. TWY A, C 3. Apron 4. Other surfaces
3	*Use of material for movement area surface treatment*	Generic fluids and solid materials used for runway de/anti-icing are KAC (potassium acetate) and NAAC (sodium acetate).
4	*Specially prepared winter runways*	NIL
5	*Remarks*	Information on RWY surface condition in Global Reporting Format is published by SNOWTAM. See also the snow plan in section AD 1.2.2. Unit of the airport operator providing information on the progress of the snow removal and the conditions of the movement area: Ground Operations Service - TEL: +40747658792.

LRTC AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	*Apron designation, surface and strength*	Surface: Strength:	Concrete 71/R/C/W/T Stands 1, 2 116/R/A/W/T Stands 3, 4 54/R/C/W/T Stands 5, 6
2	*Taxiway designation, width, surface and strength*	Width: Surface: Strength:	TWY A: 18 M TWY B: 18 M TWY C: 18 M TWY A, TWY B, TWY C: Concrete TWY A: 52/R/C/W/T TWY B: 54/R/C/W/T TWY C: 98/R/A/W/T
3	*ACL location and elevation*	NIL	
4	*VOR checkpoints*	NIL	
5	*INS checkpoints*	INS1: 450348.82N 0284303.07E INS2: 450350.26N 0284301.89E INS3: 450351.80N 0284301.41E INS4: 450353.34N 0284300.91E INS5: 450354.36N 0284259.52E INS6: 450354.99N 0284259.32E	
6	*Remarks*	RWY turning bay:	Location: THR 16, THR 34 Surface: Asphalt Dimensions: 100 M x 20 M Strength:THR 16 - 61/F/C/W/T THR 34 - 135/F/C/W/T

LRTC AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	*ID*	*Frequency*	*Hours of operation*	*Site of transmitting antenna coordinates*	*Elevation of DME transmitting antenna*	*Remarks*
1	2	3	4	5	6	7
DVOR/DME (6°E/2019)	TLA	114.800 MHZ (CH 95X)	H24	450443.3N 0284234.2E	300 FT	Coverage 175 NM (assumed) in sector 060°-280° Coverage 29 NM (assumed) in sector 280°-060° (clockwise)
LOC 34 (6°E/2019) ILS CAT II	ITC	110.700 MHZ	H24	450427.2N 0284239.3E		Front course angle 5.28°
GP 34	-	330.200 MHZ	H24	450323.4N 0284304.8E		GP angle 3° ILS RDH 16.5M
DME 34	ITC	CH 44X	H24	450323.5N 0284305.1E	200 FT	

LRTC AD 2.20 LOCAL AERODROME REGULATIONS

- NIL -

LRTC AD 2.21 NOISE ABATEMENT PROCEDURES

See AD 1.1-3

LRTC AD 2.22 FLIGHT PROCEDURES

- NIL -

LRTC AD 2.23 ADDITIONAL INFORMATION

WARNING. There may be concentrations of birds in the aerodrome area. Activity is intensified in spring (MAR–MAY) and autumn (AUG–OCT), as well as during the wintering period. Bird movements may cross the runway from the southern sector to the northern sector and vice versa (see AD 2.17-46 LRTC), singly or in flocks, day and night. Most frequently observed species: pelicans, storks, cormorants, gulls, rooks, starlings, geese, white-fronted geese and common buzzard.

Wild animals may be present in the aerodrome area, species more frequently observed and monitored: small rodents, rabbits and foxes.

Dispersal activities include emitting danger sounds for birds by mobile means, using the Laser Anti-Bird system and using acoustic cannons for each direction of the runway.

Caution is recommended during take-off and landing.

AVERTIZARE. Pot exista concentrații de păsări în zona aerodromului. Activitatea este intensificată primăvara (MAR–MAY) și toamna (AUG–OCT), precum și în perioada de iernare. Deplasările avifaunistice pot traversa pista din sectorul sudic către sectorul nordic și invers (vezi AD 2.17-46 LRTC), izolat sau în stoluri, ziua și noaptea. Specii cel mai frecvent observate: pelicani, berze, cormorani, pescărușI, ciori de semănătură, grauri, gâște, gârlițe și șorecar comun.

Pot fi prezente animale sălbatice în perimetrul aerodromului, specii mai des observate si monitorizare: rozătoare mici, iepuri si vulpi.

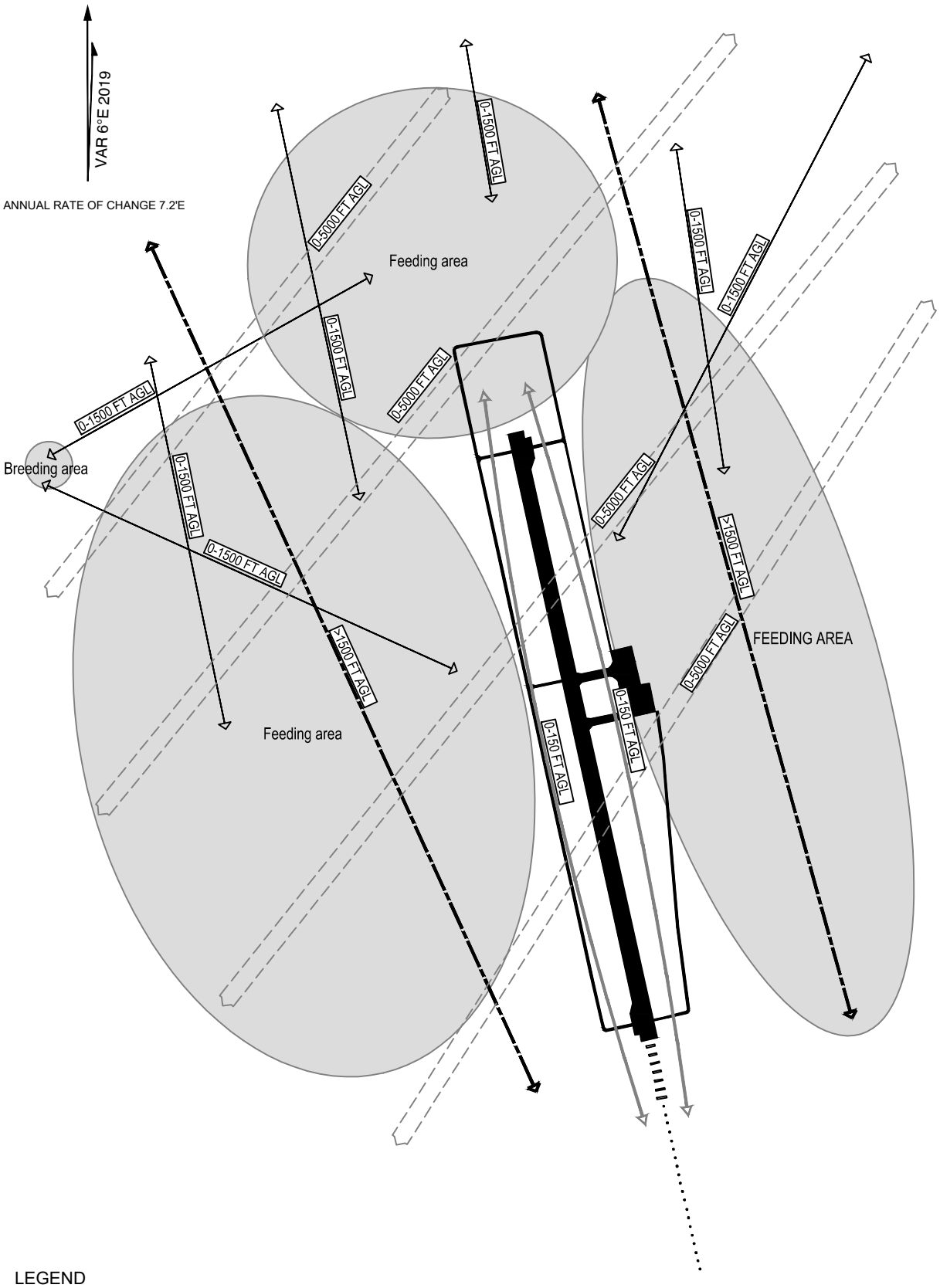
Activitățile de dispersie includ emiterea de sunete de pericol pentru păsări prin mijloace mobile, utilizarea sistemului Laser Anti-Păsări și folosirea tunurilor acustice pentru fiecare direcție de pistă.

Se recomandă prudență la decolare și aterizare.

LRTC AD 2.24 CHARTS RELATED TO THE AERODROME

Bird Concentrations in the vicinity of the aerodrome **TULCEA / Delta Dunării Tulcea (LRTC)**

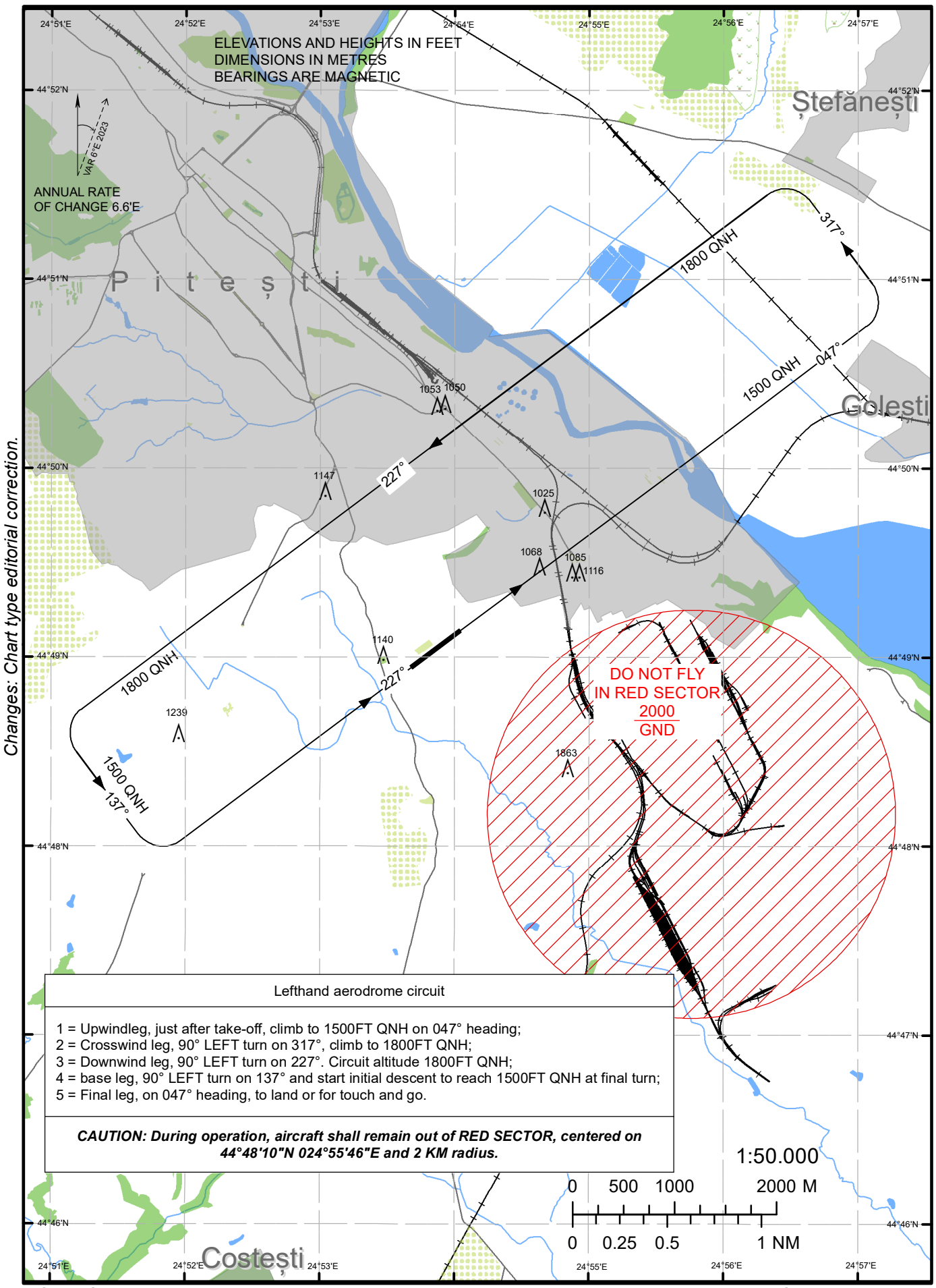
New chart.



VISUAL OPERATIONS CHART AD ELEV **1011 FT** **PITEȘTI / Geamăna (LRPT)**

RWY 05
Powered aircraft aerodrome traffic circuit

OPC 135.210



Changes: Chart type editorial correction.

Lefthand aerodrome circuit

1 = Upwindleg, just after take-off, climb to 1500FT QNH on 047° heading;
2 = Crosswind leg, 90° LEFT turn on 317°, climb to 1800FT QNH;
3 = Downwind leg, 90° LEFT turn on 227°. Circuit altitude 1800FT QNH;
4 = base leg, 90° LEFT turn on 137° and start initial descent to reach 1500FT QNH at final turn;
5 = Final leg, on 047° heading, to land or for touch and go.

CAUTION: During operation, aircraft shall remain out of RED SECTOR, centered on 44°48'10"N 024°55'46"E and 2 KM radius.

1:50.000
0 500 1000 2000 M
0 0.25 0.5 1 NM

LRCN AD 2.1 AERODROME LOCATION INDICATOR AND NAME
LRCN - CLINCENI / Clinceni

LRCN AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	*ARP coordinates and site at AD*	442130N 0255550E, runway centre
2	*Direction and distance from (city)*	18km SW from Bucharest
3	*Elevation/Reference temperature/Mean low temperature*	265 FT / 24.9°C / -
4	*Geoid undulation at AD ELEV PSN*	121 FT
5	*MAG VAR/ Annual change*	6° E (2025) / -
6	*AD Administration, address, telephone, telefax, e-mail, AFS, website*	Aeroclubul Teritorial “Aurel Vlaicu” București Str. Aeroportului,Nr.2,Com. Clinceni,Jud. Ilfov Tel. 0736.663.797 / 0732.015.037 e-mail: bucuresti@aeroclubulromaniei.ro
7	*Types of traffic permitted (IFR/VFR)*	VFR
8	*Remarks*	NIL

LRCN AD 2.3 OPERATIONAL HOURS

1	*AD Operator*	W: MON-FRI 0715-SS S: WED-SUN 0615-1400
2	*Customs and immigration*	NIL
3	*Health and sanitation*	NIL
4	*AIS Briefing Office*	NIL
5	*ATS Reporting Office (ARO)*	NIL
6	*MET Briefing Office*	NIL
7	*ATS*	NIL
8	*Fuelling*	NIL
9	*Handling*	NIL
10	*Security*	NIL
11	*De-icing*	NIL
12	*Remarks*	NIL

LRCN AD 2.4 HANDLING SERVICES AND FACILITIES

1	*Cargo-handling facilities*	NIL
2	*Fuel/oil types*	NIL
3	*Fuelling facilities/capacity*	NIL
4	*De-icing facilities*	NIL
5	*Hangar space for visiting aircraft*	Hangar 1: 1087 M^2, maximum height 4,50 M; Hangar 2: 537 M^2, maximum height 2,80 M
6	*Repair facilities for visiting aircraft*	GA8, Extra 300L, Extra 330SC, PZL 104 Wilga, ZLIN 142, ZLIN 726, ZLIN 526, Glider, Motorglider
7	*Remarks*	OPC (Operational Control) on frequency 128.305MHz

LRCN AD 2.5 PASSENGER FACILITIES

1	*Hotels*	Hotels, hostels and motels in town
2	*Restaurants*	Restaurants in town
3	*Transportation*	“Rent-a-car” service on request from town, Taxi
4	*Medical facilities*	Hospital in town
5	*Bank and Post Office*	In town
6	*Tourist Office*	Tourist Info/Center in town
7	*Remarks*	NIL

LRCN AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	*AD category for fire fighting*	Within AD HR: CAT 3.
2	*Rescue equipment*	NIL
3	*Capability for removal of disabled aircraft*	One truck
4	*Remarks*	NIL

LRCN AD 2.7 RUNWAY SURFACE CONDITION ASSESMENT AND REPORTING, AND SNOW PLAN

1	*Types of clearing equipment*	2 trucks with plugs, spreader for liquid/solid de-icing materials
2	*Clearance priorities*	RWY 06L/24R TWY A, B, C, D, E and APRON
3	*Use of material for movement area surface treatment*	Generic fluids and solids materials are used for runway de/anti-icing.
4	Specially prepared winter runways	NIL
5	*Remarks*	Information about Runway surface condition in Global Reporting Format published by SNOWTAM.

LRCN AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	*Apron designation, surface and strength*	APRON Surface: Grass+concrete Strength: 5700Kg
2	*Taxiway designation, width, surface and strength*	Width: TWY A, B, C, D, E, F, G, H: 20M Surface: TWY A, B, C, D, E: Asphalt TWY F, G,H: Grass Strength: TWY A, B, C, D, E, F, G, H: 5700kg
3	*Altimeter checkpoint location and elevation*	NIL
4	*VOR checkpoints*	NIL
5	*INS checkpoints*	NIL
6	*Remarks*	NIL

LRCN AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	*Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands*	Aircraft stand ID signs: NIL TWY guide lines: provided for TWY A, B, C, D, E, F, G, H Visual doking guidance system at aircraft stands: NIL Visual parking guidance system at aircraft stands: Stand markings.
2	*RWY and TWY markings and LGT*	RWY 24R/06L: -markings: (white) designation, THR, center line, RWY end marked as appropriate, edge marked; (yellow) turnpad center line continuous. - lights: THR, RWY end edge. RWY 24L/06R: -markings: (white) designation, THR, edge marked white -lights: NIL TWY: A, C, D, E -markings: (yellow) center line, edges and runway holding position marked, mandatory instructions markings, guidance instructions markings. -lights: blue edge, guard lights (LIH) at Runway Holding Position (RHP) TWY B -markings: (yellow) center line, edges and intermediate holding position (IHP) marked, guidance instructions markings -lights: blue edge TWY F, G, H -markings: (yellow), edges and Intermediate holding position (IHP), mandatory instructions markings on TWY H -lights: NIL
3	*Stop bars*	NIL
4	*Other RWY protection measures*	Mandatory instruction signs on TWY A, B, C, D.
5	*Remarks*	TURN PAD BEFORE THR 06L/24R - markings: centre line, edge line. - lights: blue edge. LIGHTS THR :GREEN AND FLASHING WHITE

LRCN AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	OBST type	OBST position	ELEV/HGT	Markings/ Type, color	Remarks
1	2	3	4	5	6
NIL					

In Area 3					
OBST ID/ Designation	OBST type	OBST position	ELEV/HGT	Markings/ Type, color	Remarks
1	2	3	4	5	6
NIL					

LRCN AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	*Associated MET Office*	NIL
2	*Hours of service* *MET Office outside hours*	NIL
3	*Office responsible for TAF preparation* *Periods of validity* *Interval of issuance*	NIL
4	*Trend forecast* *Interval of issuance*	NIL
5	*Briefing / consultation provided*	NIL
6	*Flight documentation* *Language(s) used*	NIL
7	*Charts and other information available for briefing or consultation*	NIL
8	*Supplementary equipment available for providing information*	NIL
9	*ATS units provided with information*	NIL
10	*Additional information (limitation of service, etc.)*	NIL

LRCN AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	*TRUE BRG*	*Dimensions of RWY (M)*	*Strength (PCN) and surface of RWY and SWY*	*THR coord RWY end coord THR geoid undulation*	*THR elevation and highest elevation of TDZ of precision APP RWY*	*Slope of RWY-SWY*
1	2	3	4	5	6	7
06L	062.97°	1000 x 30	5700 Kg Asphalt	442124.42N 0255529.63E 442139.14N 0255609.86E GUND 121 FT	THR 265 FT	-0.17%
24R	242.97°	1000 x 30	5700 Kg Asphalt	442139.14N 0255609.86E 442124.42N 0255529.63E GUND 121 FT	THR 260 FT	0.17%
06R	062.97°	1000 x 50	5700 Kg Grass	442122.25N 0255531.17E 442136.97N 0255611.39E GUND 121 FT	THR 264 FT	-0.16%
24L	242.97°	1000 X 50	5700 Kg Grass	442136.97N 0255611.39E 442122.25N 0255531.17E GUND 121 FT	THR 258 FT	0.16%

SWY dimensions (M)	*CWY dimensions (M)*	*Strip dimensions (M)*	RESA dimensions (M)	*Location and description of ARST system*	OFZ	Remarks
8	9	10	11	12	13	14
NIL	NIL	1060 x 60	30 x 60	NIL	NIL	NIL
NIL	NIL	1060 x 60	30 x 60	NIL	NIL	NIL
NIL	NIL	1060 x 60	30 x 60	NIL	NIL	NIL
NIL	NIL	1060 x 60	30 x 60	NIL	NIL	NIL

LRCN AD 2.13 DECLARED DISTANCES

RWY designator	*TORA (M)*	*TODA (M)*	*ASDA (M)*	*LDA (M)*	*Remarks*
1	2	3	4	5	6
06L	1000	1000	1000	1000	NIL
24R	1000	1000	1000	1000	NIL
06R	1000	1000	1000	1000	NIL
24L	1000	1000	1000	1000	NIL

REDUCED DECLARED DISTANCES

RWY designator	TORA (M)	TODA (M)	ASDA (M)	Remarks
1	2	3	4	5
06L “TWY C”	859	859	859	NIL
06L “TWY E”	480	480	480	NIL
24R “TWY A”	949	949	949	NIL
24R “TWY D”	689	689	689	NIL
24R “TWY E”	538	538	538	NIL

LRCN AD 2.14 APPROACH AND RWY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour, INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
06L	NIL	Green -	APAPI Left/3.0°	NIL	NIL	667M, 56M white, LIH; 333M, 56M, yellow, LIH	Red -	NIL	RWY06L/24R, LED lights used in the full length
24R	NIL	Green -	APAPI Left/3.0°	NIL	NIL	667M, 56M white, LIH; 333M, 56M, yellow, LIH	Red -	NIL	THR identification lights: flashing white
06R 24L	NIL NIL	NIL NIL	NIL NIL	NIL NIL	NIL NIL	NIL NIL	NIL NIL	NIL NIL	NIL NIL

LRCN 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 lights*	TWY A, B, C, D, E Edge Blue.
4	*Secondary power supply/switch-over time*	Secondary power supply to all lighting on the AD. Switch-over time 1 s.
5	*Remarks*	Apron floodlights and edges blue.

LRCN AD 2.16 HELICOPTER LANDING AREA

1	*Co-ordinates 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 BRG of FATO*	NIL
5	*Declared distance available*	NIL
6	*APP and FATO lighting*	NIL
7	*Remarks*	RWY 06L/24R to be used

LRCN AD 2.17 ATS AIRSPACE

1	*Designation and lateral limits*	NIL
2	*Vertical limits*	NIL
3	*Airspace classification*	NIL
4	*ATS unit call sign* *Language(s)*	NIL
5	*Transition altitude*	NIL
6	*Hours of applicability*	NIL
7	*Remarks*	NIL

LRCN 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
NIL						

LRCN AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR CAT of ILS/MLS (For VOR/ILS/MLS give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
NIL						

LRCN AD 2.20 LOCAL AERODROME REGULATIONS

1.Expect heavy and diverse traffic. When entering the area, do not overfly the north side of the airfield because of intense skydiving activity and aerobatic flights. Do not overfly the airfield without prior permission.
2. No more than 2 skydiver airplanes in the air.The separation between drops must be minimum 3 minutes. No more than 3 airplanes in circuits when gliders are operating.

3.Aircraft parking: Parking positions on APRON 1- 5: nose-in parking position, for code letter „B" (maximum 15 m wingspan).
4. In situations of transiting the aerodrome area, aircraft operators will enter the aerodrome radio frequency indicated in table LRCN AD 2.4 (line 7) in order to coordinate with other aircraft, to avoid collision with aircraft in the aerodrome area.

5. Operators are responsible for verifying information related to the operating schedule and operational availability of the aerodrome.
6. Reporting of movements on the aerodrome by private operators is to be done on the Clinceni aerodrome website.at: https://aeroclubulromaniei.ro/page/aerodrom-clinceni.
7. Helicopter operations at Clinceni aerodrome will be carried out as follows:
Takeoff, landing and runway tour will be carried out according to the aircraft operating procedures.
Taxiing will be done by air on the taxiways, ensuring a minimum distance of 100m between the helicopter and other taxiing aircraft.
For RWY 24R, after landing the helicopter clears into air taxiing on TWYE, follows TWY C, until it reaches half the distance between TWY F and G, and parks at least 30m N-W of TWY C.
For RWY 06L, after landing the helicopter clears for air taxi on TWYD, follows TWYA, until it reaches the middle of TWY A, and parks at least 30m N-W of TWY A.

As long as the helicopter has the engine running before stopping or for warming up, the taxiways in the vicinity will not be used for taxiing other aircraft.
As long as there are parachutists descending for landing, the helicopter will make a holding area for landing.
The helicopter will not take off while there are parachutists descending for landing, or aircraft that could be affected by the propeller blow.

1.Așteptați-vă la trafic intens și divers. La intrarea în zonă, nu survolați partea de nord a aerodromului din cauza activității intense de parașutism și a zborurilor acrobatice. Nu survolați aerodromul fără permisiunea prealabilă.
2. Nu mai mult de două aeronave de parașutiști în aer. Separarea între lansări este de minim 3 minute.
Nu mai mult de 3 avioane în tur de pistă când se efectueaza zboruri cu planorul.
3.Parcarea aeronavelor: Pozițiile de parcare de la APRON 1-5 : poziție de parcare nose in pentru aeronave cu litera de cod „B" (maximum 15 m anvergura aripilor).
4. În situatii de tranzitare a zonei de aerodrom, operatorii de aeronave vor intra pe frecvența radio a aerodromului indicată în tabelul LRCN AD 2.4 (linia 7) în vederea coordonării cu celelalte aeronave, pentru a evita coliziunea cu aeronavele aflate în zona de aerodrom.
5. Operatorii sunt responsabili de verificarea informațiilor legate de programul de funcționare și disponibilitatea de operare a aerodromului.
6. Raportarea mișcărilor pe aerodrom, de către operatorii particulari se face pe site-ul aerodromului Clinceni la adresa: https://aeroclubulromaniei.ro/page/aerodrom-clinceni.
7. Operarea cu elicoptere pe aerodromul Clinceni se va face astfel:
Decolarea, aterizarea şi turul de pistă se vor face conform procedurilor de operare cu avionul.
Rulajul se va face aerian pe căile de rulare, asigurând o distanţă de minim 100m între elicoper şi alte aeronave care rulează.
Pentru RWY 24R, după aterizare elicopterul degajează în rulaj aerian pe TWY E, urmează TWY C, până ajunge la jumatatea distanţei dintre TWY F şi G, si parchează la minim 30m N-V de TWY C.
Pentru RWY 06L, după aterizare elicopterul degajează în rulaj aerian pe TWY D, urmează TWY A, până ajunge la jumătatea căii de rulaj A, şi parchează la minim 30m N-V de TWY A.
Cât timp elicopterul are motorul pornit înainte de oprire sau pentru încălzire, căile de rulaj din vecinatate nu vor fi folosite pentru rulajul altor aeronave.
Cât timp sunt paraşutişti în coborâre pentru aterizare, elicopterul va face zonă de aşteptare în vederea aterizării.
Elicopterul nu va porni cât timp sunt paraşutişti în coborâre pentru aterizare, sau aeronave care ar putea fi afectate de suflul elicei.

LRCN AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

LRCN AD 2.22 FLIGHT PROCEDURES

NIL

LRCN AD 2.23 ADDITIONAL INFORMATION

NIL

LRCN AD 2.24 CHARTS RELATED TO THE AERODROME

LRCN AD 2.25 VISUAL SEGMENT SURFACE (VSS) PENETRATION

NIL

AERODROME CHART - ICAO

44°21'31" N
025°55'50" E
ELEV 265 FT

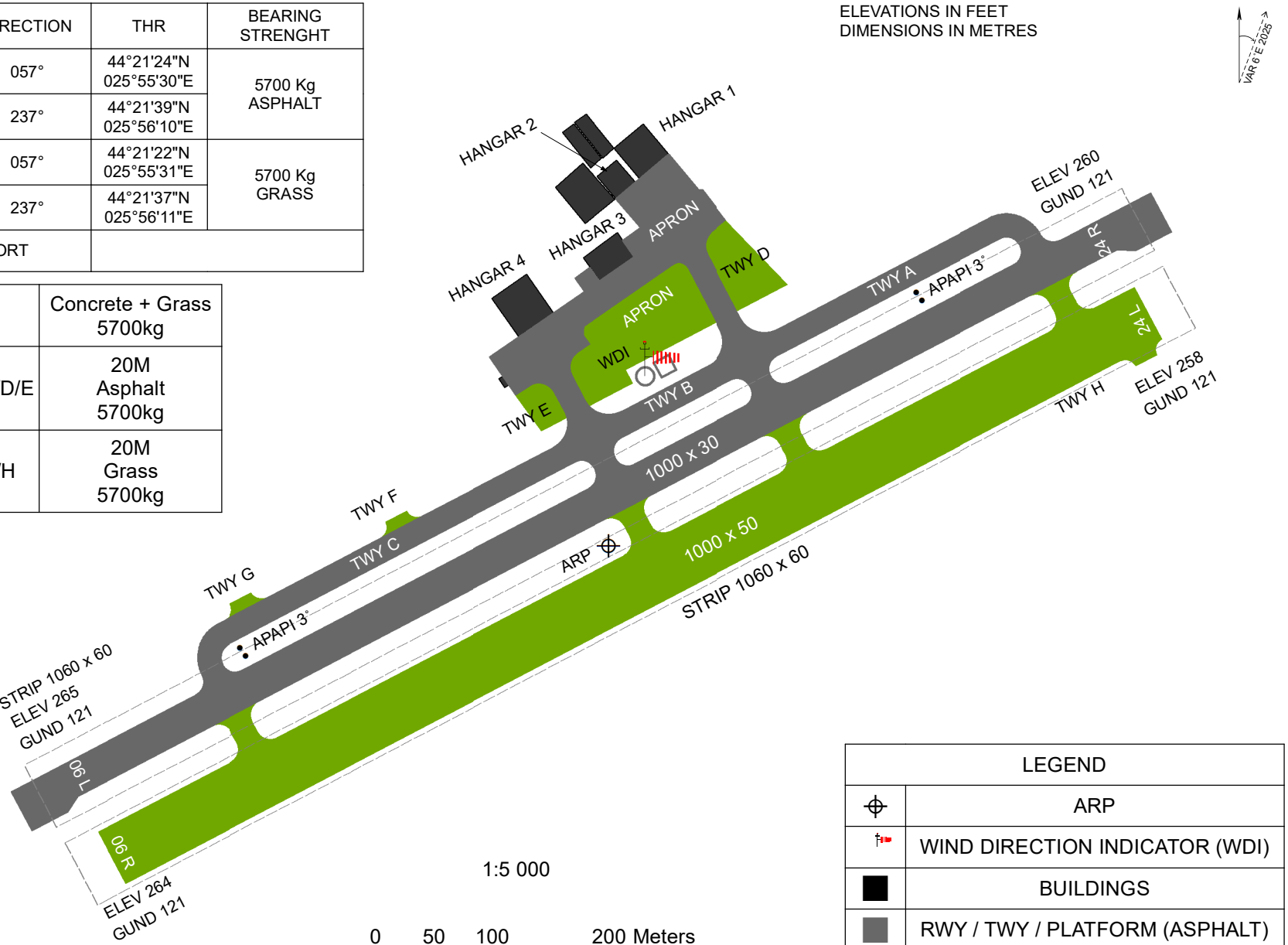
OPC 128.305

CLINCENI/ Clinceni (LRCN)

Changes: MAG VAR / AD ELEV / THR ELEV.

RWY	DIRECTION	THR	BEARING STRENGHT
06L	057°	44°21'24"N 025°55'30"E	5700 Kg ASPHALT
24R	237°	44°21'39"N 025°56'10"E	
06R	057°	44°21'22"N 025°55'31"E	5700 Kg GRASS
24L	237°	44°21'37"N 025°56'11"E	
HELIPORT			

APRON	Concrete + Grass 5700kg
TWY A/B/C/D/E	20M Asphalt 5700kg
TWY F/G/H	20M Grass 5700kg



LEGEND	
⊕	ARP
	WIND DIRECTION INDICATOR (WDI)
	BUILDINGS
	RWY / TWY / PLATFORM (ASPHALT)
	RWY / TWY / PLATFORM (GRASS)

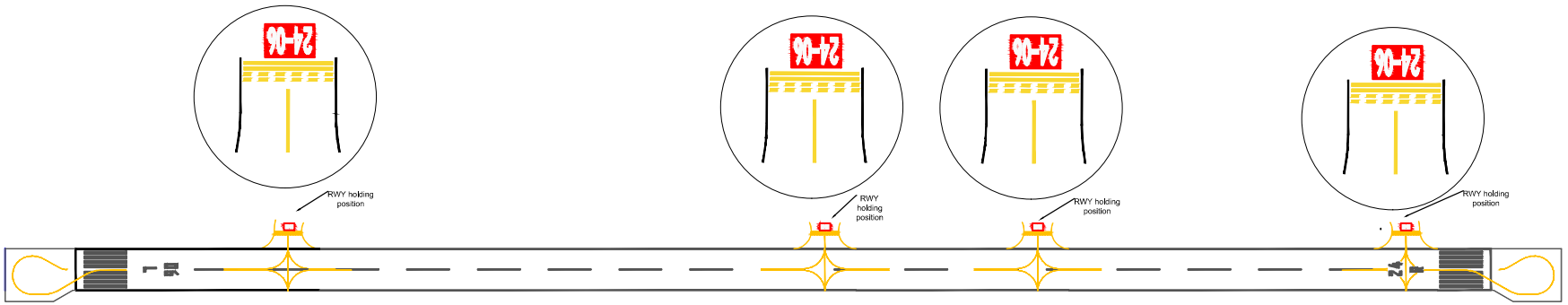
44° 21 31" N
025° 55' 50" E

ELEV 265FT

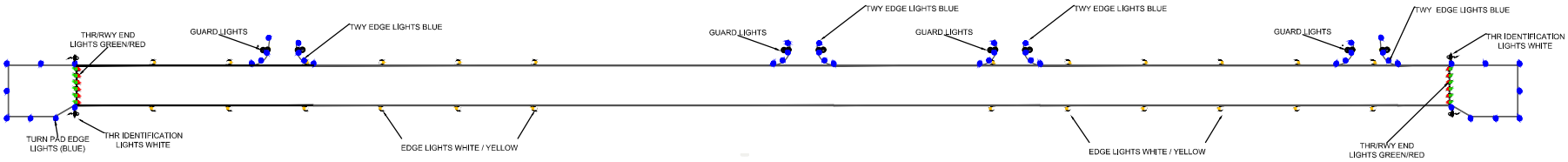
OPC 128.305

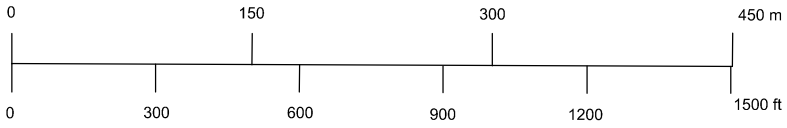
CLINCENI / Clinceni (LRCN)

MARKING AIDS RWY 06L/24R AND EXIT TWYs



LIGHTING AIDS RWY 06L/24R AND EXIT TWYs





LEGEND	
RWY HOLDING POSITION (RHP)	
THR/RWY END	
TWY EDGE LIGHTS	
RWY EDGE LIGHTS	
TWY GUARD LIGHTS	
THR IDENTIFICATION LIGHTS	

Changes: New chart.

Changes: New chart.

AIRCRAFT PARKING/ DOCKING CHART - ICAO

APRON ELEV 263 FT

OPC 128.305

CLINCENI / Clinceni (LRCN)

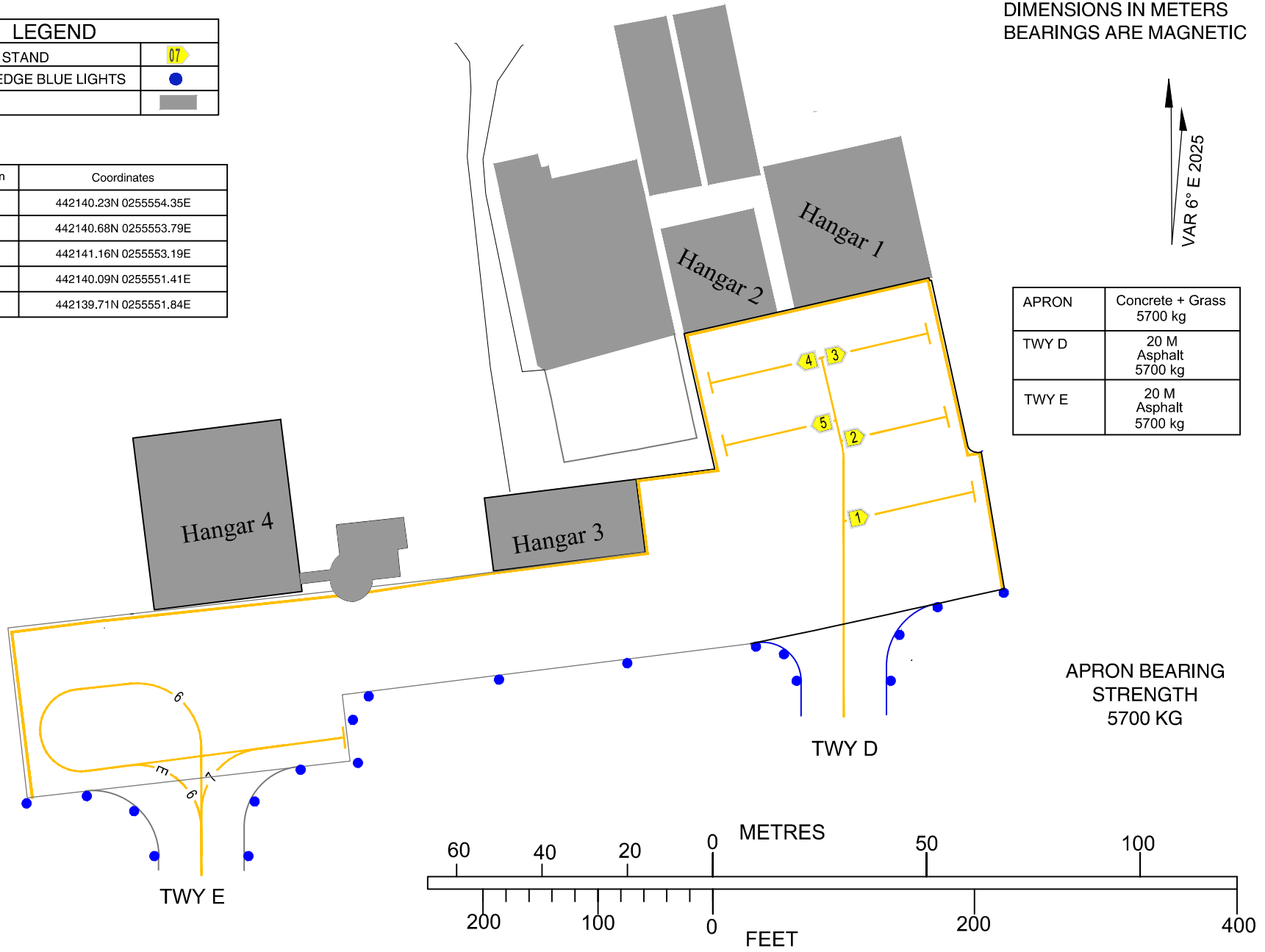
LEGEND	
TO AIRCRAFT STAND	07
APRON/TWY EDGE BLUE LIGHTS	
BUILDINGS	

Parking position	Coordinates
1	442140.23N 0255554.35E
2	442140.68N 0255553.79E
3	442141.16N 0255553.19E
4	442140.09N 0255551.41E
5	442139.71N 0255551.84E

ELEVATIONS IN FEET
DIMENSIONS IN METERS
BEARINGS ARE MAGNETIC

VAR 6° E 2025

APRON	Concrete + Grass 5700 kg
TWY D	20 M Asphalt 5700 kg
TWY E	20 M Asphalt 5700 kg

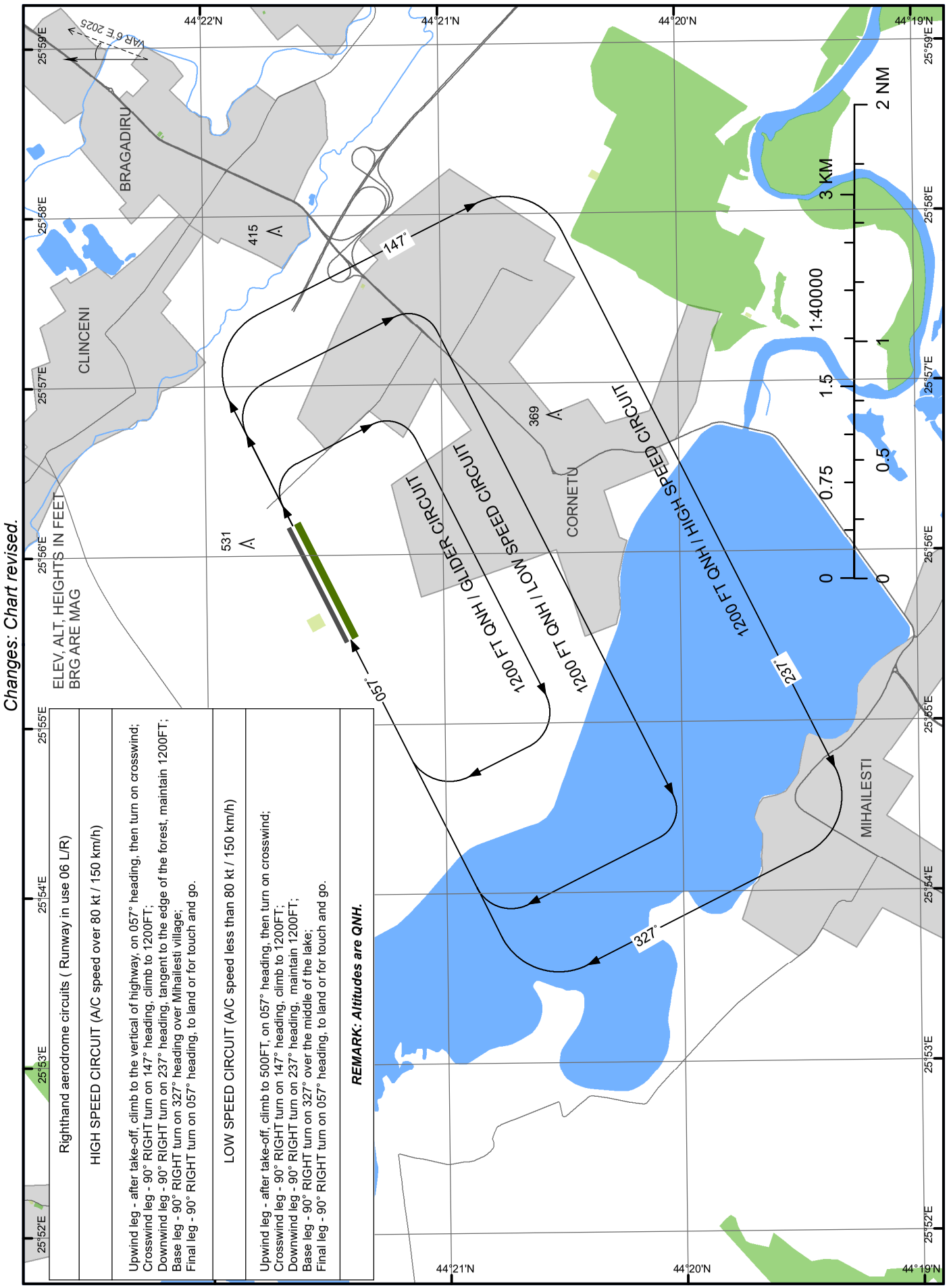


VISUAL OPERATIONS CHART AD ELEV 265 FT **CLINCENI / Clinceni (LRCN)**

OPC 128.305

Aerodrome Traffic Circuit

RWY 06L / 06R



VISUAL OPERATIONS CHART AD ELEV 265 FT **CLINCENI / Clinceni (LRCN)**

OPC 128.305

Aerodrome Traffic Circuit

RWY 24L / 24R