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**AIRAC  
AIP AMDT**

**01  
09 FEB 2012**

**AIRAC AIP AMENDMENT 01/12**

<b>I.</b>	<b>Insert the following new pages and/or charts:</b>	<b>Destroy the following pages and/or charts:</b>
	GEN 0.4-1 09 FEB 2012	GEN 0.4-1 15 DEC 2011
	GEN 0.4-2 09 FEB 2012	GEN 0.4-2 15 DEC 2011
	GEN 0.4-3 09 FEB 2012	GEN 0.4-3 15 DEC 2011
	GEN 0.4-4 09 FEB 2012	GEN 0.4-4 15 DEC 2011
	GEN 0.4-5 09 FEB 2012	GEN 0.4-5 15 DEC 2011
	GEN 0.5-1 09 FEB 2012	GEN 0.5-1 15 DEC 2011
	GEN 0.5-2 09 FEB 2012	GEN 0.5-2 15 DEC 2011
	GEN 3.5-2 09 FEB 2012	GEN 3.5-2 15 FEB 2011
	ENR 5.4-3 09 FEB 2012	ENR 5.4-3 15 DEC 2011
	AD 2.1-5 09 FEB 2012	AD 2.1-5 30 JUN 2011
	-----	AD 2.1-6 30 JUN 2011
	-----	AD 2.1-26 30 JUN 2011
	-----	AD 2.1-52 28 JUL 2011
	-----	AD 2.1-52a 28 JUL 2011
	-----	AD 2.1-82 28 JUL 2011
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	AD 2.4-4 09 FEB 2012	AD 2.4-4 15 DEC 2011
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	AD 2.7-20b 09 FEB 2012	-----
	AD 2.7-20c 09 FEB 2012	-----
	AD 2.12-1 09 FEB 2012	AD 2.12-1 03 JUN 2010
	AD 2.13-1 09 FEB 2012	AD 2.13-1 25 AUG 2011
	AD 2.13-2 09 FEB 2012	AD 2.13-2 25 AUG 2011

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- I.                    **Insert the following new pages  
and/or charts:**
- |             |             |                                                       |             |             |
|-------------|-------------|-------------------------------------------------------|-------------|-------------|
| AD 2.13-20  | 09 FEB 2012 | <b>Destroy the following pages<br/>and/or charts:</b> | AD 2.13-20  | 05 MAY 2011 |
| AD 2.13-20a | 09 FEB 2012 |                                                       | AD 2.13-20a | 05 MAY 2011 |
| AD 2.16-1   | 09 FEB 2012 |                                                       | AD 2.16-1   | 22 OCT 2009 |
| AD 2.16-2   | 09 FEB 2012 |                                                       | AD 2.16-2   | 10 MAR 2011 |
| AD 2.16-20  | 09 FEB 2012 |                                                       | AD 2.16-20  | 01 JUL 2010 |
| AD 2.16-20a | 09 FEB 2012 |                                                       | AD 2.16-20a | 01 JUL 2010 |
| AD 2.16-23  | 09 FEB 2012 |                                                       | AD 2.16-23  | 05 JUN 2008 |
- II.                    **Amend RECORD OF AIP AMDT - GEN 0.2-1 / 29 JAN 1998 accordingly.**
- III.                   **Hand amendments:**  
See GEN 0.5 / 09 FEB 2012.
- IV.                   **Information contained in the following NOTAM is incorporated in AIRAC AIP AMDT 01/12:**  
A2072/11, A2073/11, A2152/11, A2153/11, A2160/11, A2194/11, A2195/11, A2197/11.

**END**

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GEN 0.1-3	29 JAN 1998	GEN 1.6-20	02 JUL 2009	GEN 2.7-3	15 NOV 2004
GEN 0.2-1	29 JAN 1998	GEN 1.6-21	02 JUL 2009	GEN 2.7-4	15 NOV 2004
GEN 0.2-2	29 JAN 1998	GEN 1.6-22	02 JUL 2009	GEN 2.7-5	15 NOV 2004
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GEN 0.4-3	09 FEB 2012	GEN 1.7-1	15 FEB 2011	GEN 3.1-2	08 APR 2010
GEN 0.4-4	09 FEB 2012	GEN 1.7-2	02 JUN 2011	GEN 3.1-3	26 AUG 2010
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GEN 1.2-7	17 NOV 2011	GEN 2.2-9	02 JUL 2010	GEN 3.4-1	25 AUG 2011
GEN 1.2-8	17 NOV 2011	GEN 2.2-10	02 JUL 2010	GEN 3.4-2	15 MAR 2003
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GEN 1.6-5	02 JUL 2009	GEN 2.2-24	02 JUL 2010	GEN 4.1-4	21 OCT 2010
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GEN 1.6-8	02 JUL 2009	GEN 2.2-27	02 JUL 2010	GEN 4.1-6a	15 JUL 2011
GEN 1.6-9	07 DEC 2010	GEN 2.3-1	07 MAY 2009	GEN 4.1-7	07 APR 2011
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AD 2.8-32	21 OCT 2010	AD 2.12-2	03 JUN 2010	AD 2.15-91	11 MAR 2010
AD 2.8-35	21 OCT 2010	AD 2.12-3	03 JUN 2010	AD 2.15-91a	11 MAR 2010
AD 2.8-36	21 OCT 2010	AD 2.12-4	01 JUL 2010	AD 2.15-92	11 MAR 2010
AD 2.8-52	26 AUG 2010	AD 2.12-5	22 SEP 2011	AD 2.15-92a	11 MAR 2010
AD 2.8-52a	26 AUG 2010	AD 2.12-6	22 SEP 2011	AD 2.16-1	09 FEB 2012
AD 2.8-81	26 AUG 2010	AD 2.12-20	16 DEC 2010	AD 2.16-2	09 FEB 2012
AD 2.8-81a	26 AUG 2010	AD 2.12-25	16 DEC 2010	AD 2.16-3	15 APR 2010
AD 2.8-83	26 AUG 2010	AD 2.12-52	16 DEC 2010	AD 2.16-4	10 MAR 2011
AD 2.8-83a	26 AUG 2010	AD 2.12-52a	16 DEC 2010	AD 2.16-5	01 JUL 2010
AD 2.9-1	15 DEC 2011	AD 2.12-81	16 DEC 2010	AD 2.16-6	03 JUN 2010
AD 2.9-2	30 JUN 2011	AD 2.12-81a	16 DEC 2010	AD 2.16-7	10 MAR 2011
AD 2.9-3	02 JUL 2010	AD 2.12-82	16 DEC 2010	AD 2.16-8	10 MAR 2011
AD 2.9-4	30 JUN 2011	AD 2.12-82a	16 DEC 2010	AD 2.16-9	18 NOV 2010
AD 2.9-5	22 SEP 2011	AD 2.13-1	09 FEB 2012	AD 2.16-10	04 JUN 2009
AD 2.9-6	22 SEP 2011	AD 2.13-2	09 FEB 2012	AD 2.16-20	09 FEB 2012
AD 2.9-20	30 JUN 2011	AD 2.13-3	03 JUN 2010	AD 2.16-20a	09 FEB 2012
AD 2.9-22	30 JUN 2011	AD 2.13-4	02 JUN 2011	AD 2.16-22	01 JUL 2010
AD 2.9-25	13 MAR 2008	AD 2.13-5	20 OCT 2011	AD 2.16-23	09 FEB 2012
AD 2.9-51	11 MAR 2010	AD 2.13-6	05 MAY 2011	AD 2.16-25	11 JUL 2002
AD 2.9-51a	11 MAR 2010	AD 2.13-20	09 FEB 2012	AD 2.16-29	01 NOV 2001
AD 2.9-52	11 MAR 2010	AD 2.13-20a	09 FEB 2012	AD 2.16-32	10 FEB 2011
AD 2.9-52a	11 MAR 2010	AD 2.13-22	17 DEC 2009	AD 2.16-32a	10 FEB 2011
AD 2.9-81	11 MAR 2010	AD 2.13-25	30 JUN 2011	AD 2.16-51	01 JUL 2010
AD 2.9-81a	11 MAR 2010	AD 2.13-26	05 MAY 2011	AD 2.16-51a	01 JUL 2010
AD 2.9-82	11 MAR 2010	AD 2.13-51	02 JUN 2011	AD 2.16-53	01 JUL 2010
AD 2.9-82a	11 MAR 2010	AD 2.13-51a	05 MAY 2011	AD 2.16-53a	01 JUL 2010
AD 2.9-83	11 MAR 2010	AD 2.13-91	20 OCT 2011	AD 2.16-54	01 JUL 2010
AD 2.9-83a	11 MAR 2010	AD 2.13-91a	02 JUN 2011	AD 2.16-54a	01 JUL 2010
AD 2.10-1	23 OCT 2008	AD 2.14-1	22 SEP 2011	AD 2.16-91	01 JUL 2010
AD 2.10-2	25 AUG 2011	AD 2.14-2	10 JUL 2003	AD 2.16-91a	01 JUL 2010
AD 2.10-3	02 JUL 2010	AD 2.14-3	17 NOV 2011	AD 2.16-93	01 JUL 2010
AD 2.10-4	25 AUG 2011	AD 2.14-4	17 NOV 2011	AD 2.16-93a	01 JUL 2010
AD 2.10-5	10 FEB 2011	AD 2.14-5	10 JUL 2003	AD 2.16-94	01 JUL 2010
AD 2.10-6	10 FEB 2011	AD 2.14-6	10 JUL 2003	AD 2.16-94a	01 JUL 2010
AD 2.10-20	20 DEC 2007	AD 2.14-20	02 JUL 2009	AD 2.16-95	04 JUN 2009
AD 2.10-25	20 DEC 2007	AD 2.14-25	10 AUG 2000	AD 2.16-95a	12 APR 2007
AD 2.10-51	22 NOV 2007	AD 2.14-61	20 DEC 2007	AD 2.16-96	02 JUL 2009
AD 2.10-51a	20 DEC 2007	AD 2.14-61a	20 DEC 2007	AD 2.16-96a	12 APR 2007
AD 2.10-52	22 NOV 2007	AD 2.14-62	20 DEC 2007	AD 2.17-1	15 JUL 2011
AD 2.10-52a	20 DEC 2007	AD 2.14-62a	20 DEC 2007	AD 2.17-2	21 OCT 2010
AD 2.10-91	22 NOV 2007	AD 2.14-81	20 DEC 2007	AD 2.17-3	21 OCT 2010
AD 2.10-91a	20 DEC 2007	AD 2.14-81a	20 DEC 2007	AD 2.17-4	12 MAR 2009
AD 2.10-92	22 NOV 2007	AD 2.14-82	20 DEC 2007	AD 2.17-5	17 NOV 2011
AD 2.10-92a	20 DEC 2007	AD 2.14-82a	20 DEC 2007	AD 2.17-20	01 JUL 2010
AD 2.11-1	25 AUG 2011	AD 2.15-1	25 AUG 2011	AD 2.17-20a	02 JUL 2010
AD 2.11-2	23 OCT 2008	AD 2.15-2	15 APR 2010	AD 2.17-22	21 OCT 2010
AD 2.11-3	25 AUG 2011	AD 2.15-3	02 JUL 2010	AD 2.17-25	29 JAN 1998
AD 2.11-4	25 AUG 2011	AD 2.15-4	08 APR 2010	AD 2.17-51	17 NOV 2011
AD 2.11-5	25 AUG 2011	AD 2.15-5	17 NOV 2011	AD 2.17-51a	17 NOV 2011
AD 2.11-6	10 JUL 2003	AD 2.15-6	07 APR 2011	AD 2.17-81	17 NOV 2011
AD 2.11-20	25 AUG 2011	AD 2.15-7	07 APR 2011	AD 2.17-81a	17 NOV 2011
AD 2.11-25	25 AUG 2011	AD 2.15-8	07 APR 2011	AD 2.18-1	20 OCT 2011
AD 2.11-51	25 AUG 2011	AD 2.15-20	08 APR 2010	AD 2.18-2	20 OCT 2011
AD 2.11-51a	25 AUG 2011	AD 2.15-22	11 MAR 2010	AD 2.18-3	27 AUG 2009
AD 2.11-52	25 AUG 2011	AD 2.15-25	11 MAR 2010	AD 2.18-4	27 AUG 2009

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<i>Page</i>	<i>Date</i>
AD 2.18-20	27 AUG 2009
AD 2.18-40	27 AUG 2009
AD 2.19-1	15 DEC 2011
AD 2.19-2	21 OCT 2010
AD 2.19-3	21 OCT 2010
AD 2.19-4	21 OCT 2010
AD 2.19-20	21 OCT 2010
AD 2.20-1	30 JUN 2011
AD 2.20-2	27 OCT 2005
AD 2.20-3	15 APR 2010
AD 2.20-4	30 JUN 2011
AD 2.20-5	26 AUG 2010
AD 2.20-20	26 AUG 2010
AD 2.20-21	30 JUN 2011
AD 2.21-1	05 MAY 2011
AD 2.21-2	05 MAY 2011
AD 2.21-3	05 MAY 2011
AD 2.21-4	05 MAY 2011
AD 2.21-20	05 MAY 2011
AD 2.21-40	05 MAY 2011

**AD 3**

AD 3.1-1	11 MAR 2010
AD 3.1-2	11 MAR 2010
AD 3.1-3	11 MAR 2010
AD 3.1-4	11 MAR 2010
AD 3.1-23	11 MAR 2010
AD 3.2-1	15 DEC 2011
AD 3.2-2	26 AUG 2010
AD 3.2-3	26 AUG 2010
AD 3.2-4	26 AUG 2010
AD 3.2-20	15 DEC 2011
AD 3.2-40	15 DEC 2011
AD 3.3-1	04 JUN 2009
AD 3.3-2	07 JUN 2007
AD 3.3-3	07 JUN 2007
AD 3.3-4	07 JUN 2007
AD 3.3-20	07 JUN 2007

## GEN 0.5 LIST OF HAND AMENDMENTS TO THE AIP

AIP page(s) Affected	Amendment text	Introduced by AIP Amendment NO
1	2	3
AD 2.5-24 AD 2.5-29/30	Correct and read: "BUCURESTI/Henri Coandă" instead of "BUCUREȘTI/Otopeni".	AIRAC 06/04 08 JUL 2004
GEN 2.7-9 AD 2.16-25/29	Correct and read: "TIMIȘOARA/Traian Vuia" instead of "TIMIȘOARA/Giarmata".	AIRAC 07/04 02 SEP 2004
GEN 2.7	Correct and read: "BUCUREȘTI/Băneasa-Aurel Vlaicu" instead of "BUCUREȘTI/Băneasa".	AIRAC AIP AMDT 02/05
GEN 2.7	Correct and read: "SUCEAVA/Ștefan cel Mare-Suceava" instead of "SUCEAVA/Salcea".	AIRAC AIP AMDT 02/05
AD 2.3-61/91/92 29 JAN 1998	LRBM Instrument Approach Charts: south-east sector MSA, correct and read "1750 m" (5800 ft) instead of "1600 m". Obstacle elevation at N473925.3 / E0234711.6, correct and read "1308 m" (4292 ft) instead of "1248 m".	AIRAC AIP AMDT 04/06
AIP ROMANIA	Correct and read: "BAIA MARE / Baia Mare" instead of "BAIA MARE / Tăuții Măgherauș".	AIRAC AIP AMDT 01/07
AD 2.10-51/61/91 22 NOV 2007	LRBA Instrument Approach Charts, OCA/H in circling for CAT A/B, correct and read "1200" instead of "1090".	AIRAC AIP AMDT 02/08
AD 2.10-52/62/92 22 NOV 2007	LRBA Instrument Approach Charts, OCA/H in circling for CAT C, correct and read "N/A" instead of "1200".	AIRAC AIP AMDT 02/08
AD 2.7-51/61/62/81/82 13 MAR 2008	LRCL Instrument Approach Charts, OCA value for circling CAT C and CAT D, correct and read "CAT C 2250" and "CAT D 2540" instead of "CAT C/D 2120".	AIRAC AIP AMDT 03/08
AD 2.7-51/61/62/81/82 13 MAR 2008	LRCL Instrument Approach Charts, OCA value for circling CAT A and CAT B, correct and read "CAT A 2000" and "CAT B 2000" instead of "CAT A/B 1710".	AIRAC AIP AMDT 11/09
AD 2.4-31/32 07 MAY 2009 AD 2.5-31/32/34 02 JUL 2009 AD2.5-33 27 AUG 2009	Sector KOMAN MIDDLE frequency, correct and read "129.750MHZ" instead of "119.075MHZ"	AIRAC AIP AMDT 02/10
AD 2.3-3 15 MAY 1998	LRBM, AD 2.11 Meteorological information provided: <ul style="list-style-type: none"> <li>- row 3, Office responsible for TAF preparation, column 3 correct and read "LROM" instead of "BUCUREȘTI/Băneasa";</li> <li>- row 5, Briefing/consultation provided, column 3, replace the whole text with "Self-briefing; briefing/consultation on request (see row 8)";</li> <li>- row 7, column 3, replace whole text with "SWC, W/T Charts, SIGMET, METAR, TAF".</li> </ul>	AIP AMDT 334
AD 2.4-31/32 07 MAY 2009 AD 2.5-31/32/34 02 JUL 2009 AD 2.5-33 27 AUG 2009 AD 2.5-35 07 MAY 2009 AD 2.5-36 04 JUN 2009	Delete LRR1.	AIP AMDT 335
AD 2.16-23 05 JUN 2009	<del>LRTR, Aircraft Paving/Docking Chart – ICAO, Apron West, TWY Strength, correct and read "TWY A Strength: 31/R/CAW/T, TWY B Strength: 29/R/CAW/T" instead of "TWY A, B Strength: 49/R/DW/T".</del>	AIP AMDT 335
AD 2.4-31 07 MAY 2009	LRBS, Standard Departure Chart Instrument, text description of SID routes, SID POLUN 1B, column 2, add new text "Not available for traffic to MOPUG".	AIRAC AIP AMDT 06/10
AD 2.4-32 07 MAY 2009	LRBS, Standard Departure Chart Instrument, text description of SID routes, SID POLUN 1D, column 2, add new text "Not available for traffic to MOPUG".	AIRAC AIP AMDT 06/10
AD 2.5-31 07 MAY 2009	LROP, Standard Departure Chart Instrument, text description of SID routes, SID POLUN 3A, column 2, add new text "Not available for traffic to MOPUG".	AIRAC AIP AMDT 06/10
AD 2.5-32 07 MAY 2009	LROP, Standard Departure Chart Instrument, text description of SID routes, SID POLUN 1C, column 2, add new text "Not available for traffic to MOPUG".	AIRAC AIP AMDT 06/10
AD 2.2-36/37/51/61 AD 2.2-62/91/93 30 JUL 2009	LRBC Charts, delete text "BACAU PRECISION 133.7".	AIRAC AIP AMDT 07/10
AD 2.4-36 21 OCT 2010	LRBS, Standard Arrival Chart Instrument RWY 25, arrival route NETUL 3H, segment NETUL – DVOR/DME OPT, minimum altitude, correct and read "3000" instead of "300".	AIRAC AIP AMDT 08/10

1	2	3
AD 2.16-51 01 JUL 2010	LRTR, Instrument Approach Chart, ILS RWY 29, correct and read "Cat II Approved" instead of "Cat III A Approved".	AIRAC AIP AMDT 08/10
AD 2.7-32/36/37 13 MAR 2008	LRCL SID and STARs, delete NAPOC SECTOR-AREA 1.	AIRAC AIP AMDT 01/11
AD 2.2-20 27 AUG 2009 AD 2.2-25 25 OCT 2007	LRBC, Aerodrome Chart, runway dimensions, correct and read "2500x80" instead of "2500x45".	AIRAC AIP AMDT 02/11
AD 2.16-20 01 JUL 2010	<del>LRTR, Aerodrome Chart – ICAO, RWY Bearing Strength, correct and read "37/R/A/W/T Concrete" instead of "32/R/C/W/T Concrete".</del>	AIRAC AIP AMDT 03/11
AD 2.4-51/52/91/92 18 NOV 2010 AD 2.4-53/54/61/62 AD 2.4-63/64/93/94 21 OCT 2010	LRBS, Instrument approach Charts, delete "BANEASA PRECISION 125.2".	AIRAC AIP AMDT 04/11
AD 2.2-51/91/93 30 JUL 2009	LRBC, Instrument Approach Charts, delete vertical limits of LRD57.	AIRAC AIP AMDT 05/11
AD 2.3-20 02 OCT 2003	LRBM Aerodrome Chart – ICAO, correct and read " STRIP 1920 x 260" instead of "STRIP 1920 x 300".	AIRAC AIP AMDT 09/11
AD 2.10-20/25 20 DEC 2007	LRIA Aerodrome Chart / Aerodrome Obstacle Chart, runway dimensions, correct and read "1800x45" instead of "1800x30".	AIRAC AIP AMDT 09/11
AD 2.3-4 12 APR 2007	LRBM, AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS, column 4, Strength and surface of RWY and SWY, correct and read "22/R/D/W/T" instead of "19/R/D/W/T".	AIRAC AIP AMDT 10/11
AD 2.2-36/37/91/93 30 JUL 2009	LRBC, delete MM collocated with LM "B".	AIRAC AIP AMDT 10/11
AD 2.2-36/37/91 30 JUL 2009	LRBC, delete OM collocated with NDB (LO) "BC".	AIRAC AIP AMDT 10/11
AD 2.10-20 20 DEC 2007	LRIA Aerodrome Chart, RWY bearing strength, correct and read "24/R/D/W/T" instead of "22/R/D/W/T".	AIRAC AIP AMDT 12/11
AD 2.15-3 02 JUL 2010	LRTM, AD 2.11 Meteorological Information provided, row 8, column 3, correct and read "+40-(0)265 32 82 62" instead of "+40-(0)265 32 82 51".	AIRAC AIP AMDT 12/11
AD 2.17-20 01 JUL 2010	LRTC Aerodrome Chart, RWY bearing strength, correct and read "48/R/C/W/T" instead of "37/R/C/W/T".	AIRAC AIP AMDT 12/11
AD 2.3-5 06 JUN 2008	LRBM, AD 2.19 Radio Navigation and landing aids, delete row 2. OM Dashes on 75 MHz completely withdrawn.	AIRAC AIP AMDT 12/11
AD 2.3-4 12 APR 2007 AD 2.3-20 02 OCT 2003 AD 2.3-25 15 JUN 2000	LRBM, AD 2.12 Runway Physical Characteristics: - row 2, column 5, RWY 28 THR coordinates, correct and read "473925.18N 0232840.22E" instead of "473925.11N 0232840.71E"; new THR elevation 604FT; - rows 1 and 2, column 3, RWY 10/28 dimensions, correct and read "1790x30" instead of "1800x30"; - rows 1 and 2, column 11, RWY 10/28 Strip dimensions, correct and read "1910x260" instead of "1920x260".	AIRAC AIP AMDT 01/12
AD 2.3-4 12 APR 2007 AD 2.3-25 15 JUN 2000	LRBM, AD 2.13 Declared distances, modify as follow: RWY TORA TODA ASDA LDA 10 1790 1990 1790 1790 28 1790 1990 1790 1790	AIRAC AIP AMDT 01/12

## 3. Meteorological observations and reports

<i>Name of station/ Location indicator</i>	<i>Type &amp; frequency of observation/ automatic observing equipment</i>	<i>Types of MET reports &amp; Supplementary Information included</i>	<i>Observation System &amp; Site(s)</i>	<i>Hours of operation (UTC)</i>	<i>Climatological information</i>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
ARAD/Arad LRAR	Half hourly W: 0330-1830 S: 0230-1730 Hourly W: 1900-0300 S: 1800-0200 Plus special observations/AWOS	METAR, SPECI	Cup anemometer 380m FM THR 27 Cup anemometer 150m FM THR 09 Ceilometer 400m before THR 27 RVR EQPT 370m FM THR 27 RVR EQPT 1000m FM THR 27	H24	Climatological tables AVBL
BACĂU/Bacău LRBC	Half hourly W: 0330-1830 S: 0230-1730 Hourly W: 1900-0300 S: 1800-0200 Plus special observations/AWOS	METAR, SPECI	Cup anemometer 359m FM THR 34 Cup anemometer 375m FM THR 34 Ceilometer at 346m FM THR 34 RVR EQPT 360m FM THR 34	H24	Climatological tables AVBL
BAIA MARE/Baia Mare LRBM	Half hourly W: 0330-1830 S: 0230-1730 Hourly W: 1900-0300 S: 1800-0200 Plus special observations/AWOS	METAR, SPECI	Cup anemometer 300m FM THR 10 Cup anemometer 365m FM THR 10 Ceilometer at LM M 0.76NM FM THR 10 RVR EQPT 350m FM THR 10	H24	Climatological tables AVBL
BUCUREȘTI/Băneasa – Aurel Vlaicu LRBS	Half hourly plus special observations /AWOS	METAR, SPECI , TREND,WS	Cup anemometers 130m FM THR 07 and THR 25 RVR EQPT 300 m, 1500 m and 2700 m FM THR 07 Ceilometers at ILS MM 07 and ILS MM 25	H24	Climatological tables AVBL
BUCUREȘTI/Henri Coandă LROP	Half hourly plus special observations /AWOS	METAR, SPECI , TREND,WS	Cup anemometers 130m FM THR 08R, 08L, 26R and 26L RVR EQPT 300 m, 1750 m and 3200 m FM THR 08R and 08L Ceilometers at ILS MM 08R, ILS MM 26L, ILS MM 08L and ILS MM 26R	H24	Climatological tables AVBL
CLUJ NAPOCA/ Cluj Napoca LRCL	Half hourly W: 0330-2130 S: 0230-2030 Hourly W: 2200-0300 S: 2100-0200 Plus special observations/AWOS	METAR, SPECI	Cup anemometer 380m FM THR 26 Cup anemometer 200m FM THR 08 Ceilometer 365m FM THR 26 RVR EQPT 370m FM THR 26	H24	Climatological tables AVBL
CONSTANȚA/Mihail Kogalniceanu - Constanța LRCK	Half hourly plus special observations /AWOS	METAR, SPECI , TREND, WS	Cup anemometers 130m FM THR 36 and 18 RVR EQPT 300m, 1750m and 3200m FM THR 36 Ceilometers at ILS MM 36 and ILS MM 18	H24	Climatological tables AVBL
CRAIOVA/Craiova LRCV	Half hourly plus special observations / AWOS	METAR, SPECI	Cup anemometer 385m FM THR 09 Ultrasonic anemometer 385m FM THR 09 Ceilometer 350m FM THR 09 RVR EQPT 370M FM THR 09	See AD 2.9-1 LRCV AD 2.3	NIL

1	2	3	4	5	6
IAȘI/Iași LRIA	Half hourly W: 0330-1830 S: 0230-1730 Hourly W: 1900-0300 S: 1800-0200 Plus special observations/AWOS	METAR, SPECI	Cup anemometer 385m FM THR 15 Ceilometer at LM F 0.61NM before THR 15 RVR EQPT 370m FM THR 15	H24	Climatological tables AVLB
ORADEA/Oradea LROD	Half hourly W: 0330-1830 S: 0230-1730 Hourly W: 1900-0300 S: 1800-0200 Plus special observations/AWOS	METAR, SPECI, TREND	Cup anemometer 32m FM THR 19 Cup anemometer 390m FM THR 19 Ceilometer at MM 19 0.67NM FM THR 19 RVR EQPT 375M FM THR 19	H24	Climatological tables AVLB
SATU MARE/Satu Mare LRSM	Half hourly W: 0330-1830 S: 0230-1730 Hourly W: 1900-0300 S: 1800-0200 Plus special observations/AWOS	METAR, SPECI	Cup anemometer 399m FM THR 19 Cup anemometer 390m FM THR 19 Ceilometer at MM 0.56NM FM THR 19 RVR EQPT 375M FM THR 19	H24	Climatological tables AVLB
SIBIU/Sibiu LRSB	Half hourly W: 0330-1830 S: 0230-1730 Hourly W: 1900-0300 S: 1800-0200 Plus special observations/AWOS	METAR, SPECI, TREND	Cup anemometer 389m FM THR 27 Cup anemometer 374m FM THR 27 Ceilometer 344m FM THR 27 RVR EQPT 359M FM THR 27 RVR EQPT 1050M FM THR 27	H24	NIL
SUCEAVA/Stefan cel Mare - Suceava LRSV	Half hourly W: 0330-1830 S: 0230-1730 Hourly W: 1900-0300 S: 1800-0200 Plus special observations/AWOS	METAR, SPECI, TREND	Cup anemometer 200m FM THR 34 Cup anemometer 365m FM THR 34 Ceilometer at NDB(LM) SCV 0.56NM FM THR 34 RVR EQPT 350M FM THR 34	H24	Climatological tables AVLB
TÂRGU MUREȘ/ Transilvania- Târgu Mureș LRTM	Half hourly W: 0330-1830 S: 0230-1730 Hourly W: 1900-0300 S: 1800-0200 Plus special observations/AWOS	METAR, SPECI	Cup anemometer 358m FM THR 07 Cup anemometer 362m FM THR 07 Ceilometer at LM D 0.81NM FM THR 07 RVR EQPT 340M FM THR 07 RVR EQPT 1300M FM THR 07	H24	Climatological tables AVLB
TIMIȘOARA/Traian Vuia LRTR	Half hourly plus special observations / AWOS	METAR, SPECI, TREND	Cup anemometers 130m FM THR 29 and 11 RVR EQPT 300m, 1750m and 3200m FM THR 29 Ceilometers at ILS MM 11 and ILS MM 29	H24	Climatological tables AVLB
TULCEA/Delta Dunării LRTC	Half hourly plus special observations / AWOS	METAR, SPECI	Cup anemometer 324m FM THR 34 Cup anemometer 315m FM THR 34 Ceilometer at LM H 0.6NM FM THR 34 RVR EQPT 300M FM THR 34	See AD 2.17-1 LRTC AD 2.3	Climatological tables AVLB

1	2	3	4	5	6
101	Sacele	4 eolian power plants	442943N 0283429E	448/394	Red lights
102	Pecineaga	26 eolian power plants	435232N 0282536E	786/492	Red lights
103	Pecineaga	2 eolian power plants	435240N 0282921E	678/492	Red lights
104	Silișteea	2 eolian power plants	442331N 0281139E	830/492	Red lights
105	Crucea	2 eolian power plants	442906N 0281631E	897/492	Red lights
106	Topolog	eolian power plant	445126N 0282004E	1111/340	Red lights
107	Topolog	eolian power plant	445119N 0281945E	1086/340	Red lights
108	Vârlezi	3 eolian power plants	455231N 0275049E	1209/492	Red lights
109	Tortoman	10 eolian power plants	442322N 0281049E	837/492	Red lights
110	Târgușor	4 eolian power plants	442916N 0281925E	1133/492	Red lights
111	Valea Nucarilor	12 eolian power plants	450156N 0285054E	1168/509	Red lights
112	Valea Nucarilor	5 eolian power plants	450345N 0284904E	1068/509	Red lights
113	Smulți	Eolian power plant	455543N 0274741E	1238/492	Red lights
114	Peștera	31 eolian power plants	441153N 0280124E	922/492	Red lights
115	Cernavodă	51 eolian power plants	441854N 0280947E	895/492	Red lights
116	Constanța	Chimney	440931N 0283627E	1007/820	Red lights
117	Tecuci	Tower	455330N 0272153E	684/345	Red lights
118	Insurăței	93 eolian power plants	445819N 0273319E	563/492	Red lights
119	Peștera	Tower	440802N 0280806E	709/328	Red lights
120	Valea Nucărilor	12 eolian power plants	450208N 0285109E	1126/492	Red lights
121	Smulti	1 eolian power	455541N 0274738E	1233/492	Red lights
122	Nicolae Bălcescu	Eolian power plants	442447N 0281535E	898/492	Red lights
123	Pitești	Chimney	444825N 0245451E	1640/1017	NIL
124	Broșteni	Eolian power plants	450129N 0214009E	1220/457	Red lights
125	Casimcea	Eolian power plant	444637N 0281855E	1157/492	Red lights
126	Casimcea	Eolian power plant	444644N 0282150E	1460/459	Red lights
127	Baia	15 eolian power plant	444514N 0283913E	860/492	Red lights
128	Năvodari	Chimney	442041N 0283941E	368/361	Red lights
129	Urziceni	Antenna	444235N 0263639E	497/335	NIL
130	Grebanu	Eolian power plant	452503N 0265721E	1977/492	Red lights
131	Zaplazi	3 eolian power plants	452518N 0265713E	2051/492	Red lights
132	Casimcea	21 eolian power plants	444302N 0282027E	1287/492	Red lights
133	Mircea Vodă	4 eolian power plants	441920N 0281215E	761/492	Red lights
134	Coronini	21 eolian power plants	444043N 0214421E	1954/492	Red lights
135	Homești	4 eolian power plants	452444N 0265549E	2269/492	Red lights
136	Mahmudia	2 eolian power plants	450346N 0290417E	711/492	Red lights
137	Mihai Viteazu	12 eolian power plants	443929N 0283554E	1023/476	Red lights
138	Mihai Viteazu	10 eolian power plants	443907N 0283557E	997/476	Red lights
139	Mihai Viteazu	10 eolian power plants	443819N 0283651E	924/476	Red lights
140	Mihai Viteazu	8 eolian power plants	443758N 0283734E	971/476	Red lights
141	Paltinis	Anemometric tower	481324N 0264445E	1050/343	Red lights

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

<i>Type of aid, MAG VAR CAT of ILS/MLS (For VOR/ILS/ MLS, give declination)</i>	<i>ID</i>	<i>Frequency</i>	<i>Hours of operation</i>	<i>Position of transmitting antenna coordinates</i>	<i>Elevation of DME transmitting antenna</i>	<i>Remarks</i>
1	2	3	4	5	6	7
DVOR/DME 4°E/2010	ARD	109.000 MHz CH 27X	H24	461102.7N 0210837.0E	400 FT	
LOC 27 4°E/2010 ILS CAT II	IAD	110.700 MHz	H24	461041.1N 0211443.3E		Front course angle 5.2° No back course
GP 27	-	330.200 MHz	H24	461037.4N 0211615.8E		GP Angle 3°, ILS RDH 54 FT.
DME 27	IAD	- CH 44X	H24	461037.4N 0211615.8E	400 FT	
NDB(LO)	ARD	517 KHz	H24	461102.4N 0210841.6E		272°MAG / 4.37 NM (8.1 KM) from THR 09

**LRAR AD 2.20 LOCAL TRAFFIC REGULATIONS**

- NIL -

**LRAR AD 2.21 NOISE ABATEMENT PROCEDURES**

See AD 1.1-3

**LRAR AD 2.22 FLIGHT PROCEDURES**

- NIL -

**LRAR AD 2.23 ADDITIONAL INFORMATION**

- NIL -

**LRAR AD 2.24 CHARTS RELATED TO THE AERODROME**

Aerodrome Chart - ICAO.....	AD 2.1-20
Aircraft Parking/Docking Chart - ICAO.....	AD 2.1-22
Aircraft Parking/Docking Chart - ICAO.....	AD 2.1-23
Aerodrome Obstacle Chart - ICAO - Type A	
RWY 27 .....	AD 2.1-25
RWY 09.....	AD 2.1-26
Instrument Approach Charts - ICAO	
RWY 27 ILS.....	AD 2.1-52
RWY 09 VOR.....	AD 2.1-81
RWY 27 VOR.....	AD 2.1-82
RWY 09 NDB.....	AD 2.1-91

1			2		3
a	b	c	a	b	
25/APCH 07/TKOF	Antenna	443015.52N			
	184M/604FT	0255919.43E			
	LGT				
	Building	442949.05N			
	101.5M/333FT	0260428.70E			
	Building	442949.04N			
	102.2M/335FT	0260428.69E			
	LGT				
	Antenna mast	442825.83N			
	137.1M/450FT	0260045.43E			
	LGT				
	Building	442927.27N			
	134.4M/441FT	0260517.36E			
	LGT				
	Buildings	442841.31N			
	220.9M/725FT	0260616.68E			
	LGT				
	Building	443030.61N			
	92.2M/303FT	0260748.07E			
	Building	443035.62N			
	95.0M/312FT	0260748.32E			
	Antenna	443037.19N			
	101.5M/333FT	0260806.07E			
	Antenna	443038.80N			
	104.8M/344FT	0260816.45E			
	LGT				
	Antenna	443034.85N			
	101.4M/333FT	0260807.04E			
	Plant	443055.73N			
	127.4M/418FT	0260643.51E			
Antenna	443050.54N				
117.4M/385FT	0260809.10E				
LGT					
Building+antenna	442950.91N				
130.5M/428FT	0260758.26E				
LGT					
Buildings	443119.32N				
127.3M/418FT	0260837.19E				
LGT					
Building	443038.77N				
98.5M/323FT	0260754.82E				
Buildings	442949.62N				
146.7M/481FT	0261206.07E				
LGT					
Buildings	443040.91N				
110.7M/363FT	0260822.72E				
LGT					

**LRBS AD 2.11 METEOROLOGICAL INFORMATION PROVIDED**

1	Associated MET Office	BUCUREȘTI/ Băneasa
2	Hours of service MET Office outside hours	H24 -
3	Office responsible for TAF preparation Periods of validity	LROM 24 HR
4	Type of landing forecast Interval of issuance	TREND H24
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)21-203 21 53 Fax: +40-(0)21-203 21 52
9	ATS units provided with information	TWR Băneasa
10	Additional information (limitation of service, etc.)	Nil

**LRBS AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS**

Designations RWY NR	TRUE BRG	Dimensions of RWY (M)	Strength (PCN) and surface of RWY and SWY	THR co-ordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
07	073.89°	2960 x 45	64/R/D/W/T Asphalt	442959.27N 0260508.67E	THR 299FT
25	253.91°	3100 x 45	64/R/D/W/T Asphalt	GUND 115 FT 443025.81N 0260717.21E	THR 282FT
GUND 115 FT					
Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
max 1%	Nil	260 x 250	3220 x 250	Nil	Nil
max 1%	Nil	Nil	3220 x 250	Nil	Nil

**LRBS AD 2.13 DECLARED DISTANCES**

RWY designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
07	3100	3360	3100	2960	THR 07 displaced 140M
25	3100	3100	3100	3100	Nil

**REDUCED DECLARED DISTANCES**

RWY designator	TORA (M)	TODA (M)	ASDA (M)	Remarks
1	2	3	4	6
25 "TWY D"	1650	1650	1650	Nil

**LRBS 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 SWY LGT LGT colour LEN(M) WBAR colour	Remarks	
1	2	3	4	5	6	7	8	9	10
07	ALS-II 900 M	Green WBAR	PAPI 3°	White 900 M	2060 M, 15 M, White, LIH; 600 M, 15 M, White/Red, LIH; 300 M, 15 M, Red, LIH	140 M, 60 M, Red/Yellow, LIH 2360 M, 60 M, White, LIH 600 M, 60 M, Yellow, LIH	Red -	Nil	Nil
25	ALS-II 660 M	Green WBAR	PAPI 3°	White 900 M	2200 M, 15 M, White, LIH; 600 M, 15 M, White/Red, LIH; 300 M, 15 M, Red, LIH	2500 M, 60 M, White, LIH 600 M, 60 M, Yellow, LIH	Red -	Nil	Nil

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

1	ABN / IBN location, characteristics and hours of operation	ABN: 442944N 260459E, CNS W, H24 / IBN: Nil.
2	LDI location and LGT Anemometer location and LGT	Nil 400 M from THR 07, LGT.
3	TWY edge and centre line lighting	TWY 'A' and 'D' edge blue omnidirectional LIL and centre line green LIL
4	Secondary power supply/switch-over time	Secondary power supply to all lighting on the AD, switch-over time less than 1 s.
5	Remarks	Nil

**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 CTR A circle, radius 15 NM (30 Km) centred at 464706N 0234110E (ARP)
2	Vertical limits	SFC to 7500 FT STD
3	Airspace classification	C
4	ATS unit call sign Language(s)	Cluj Tower English, Romanian
5	Transition altitude	4 000 FT MSL
6	Remarks	Nil

**LRCL AD 2.18 ATS COMMUNICATION FACILITIES**

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
APP	Cluj Approach/Radar	125.100 MHz	H24	Procedural/Radar Service
APP	Cluj Precision	118.700 MHz	H24	PAR Service
TWR	Cluj Tower	134.400 MHz	H24	Nil
ATIS	Cluj ATIS	125.525 MHz	H24	Nil

**LRCL 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
LLZ 26 3°E/1997 ILS CAT I	ICL	110.300 MHz	H24	464659.4N 0234018.9E		Front course angle 5.9° Restrictions: -coverage in sector (+10°/+35°) max 10NM; -coverage in sector (-10°/-35°) max 17NM.
GP 26		335.000 MHz	H24	464714.1N 0234137.9E		GP angle 3.2° ILS RDH 56 FT Restrictions: -coverage in lower semisector 9NM.
DME 26	ICL	1001.000 MHz (CH 40X)	H24	464714.1N 0234137.9E	1100 FT	Collocated with GP 26 antenna.
DVOR/DME 3°E/1997	CLJ	111.200 MHz (CH 49X)	H24	464800.4N 0234714.1E	1600 FT	075° MAG / 3.76 NM from THR 26

**LRCL AD 2.20 LOCAL TRAFFIC REGULATIONS**

After landing, all aircraft will turn only at the end of runway, on the related turning bays from THR 08 and THR 26. The passengers pedestrian displacement on apron is forbidden due to safety and security reasons.

**Standard Taxi Routes for departure/ Rutele Standard de Rulare pentru decolare**

Departure		Instruction given by ATC				Taxiway to be followed	Remarks
from		Name of the Standard Taxi Route					
Stand number 1/2/3/4/5/6 /7/8/9/10	Taxi via standard taxi route	Departure	To holding position	A	RWY 08	TWY A turn LEFT taxi to the end of RWY and line-up THR 08	
				A	RWY 26	TWY A turn RIGHT taxi to the end of RWY and line-up THR 26	

**LRCL AD 2.21 NOISE ABATEMENT PROCEDURES**

Departure - See AD 1.1-3

The APU is permitted functioning maximum 15 minutes after block on time and may be started with maximum 30 minutes before STD.

**LRCL AD 2.22 FLIGHT PROCEDURES**

Aircraft movements on the apron must be carried out in accordance with the Marshaler instructions.

**LOW VISIBILITY TAKE-OFF(LVTO) LOCAL PROCEDURES /  
PROCEDURI LOCALE PENTRU DECOLARE IN CONDIȚII DE VIZIBILITATE REDUSĂ****1. Description of facilities**

Runway 08/26 is equipped with RWY lighting for CAT II. Runway exits/entries with taxiway A are equipped with green/yellow coded centreline lights. Authorized FOLLOW-ME car.

**1. Descrierea facilităților**

Pista 08/26 este echipată cu balizaj luminos pentru CAT II. Racordurile pistei cu calea de rulare A sunt echipate cu lumini axiale codificate verde/galben. Mașina FOLLOW-ME autorizată.

**2. Criteria for the initiation and termination of LVTO**

2.1. CTA TWR CLUJ starts the LVTO procedures operational phase when all the conditions are accomplished for LVTO – value of 400 m for RVR and 600 m for horizontal visibility along the runway and he received confirmations from all the people involved.

2.2. CTA TWR CLJ will announce the cancellation of low visibility take off operations after receiving the weather message METAR or SPECI regarding the weather conditions improvement in the area of the runway, respectively RVR with the value of 600 m (or greater than 600 m) or the horizontal visibility along the runway value passes over 800 m, when RVR is not available.

**2. Criterii pentru inițierea și terminarea LVTO**

2.1. CTA TWR CLUJ declanșează faza operațională a procedurilor LVTO atunci când constată că sunt îndeplinite condițiile pentru LVTO – valoarea de 400m pentru RVR și 600m pentru vizibilitatea orizontală în lungul pistei și au fost primite confirmările din partea celor implicați.

2.2. CTA TWR CLUJ va anunța încheierea operațiilor în condiții de vizibilitate redusă la decolare după primirea mesajului meteo METAR sau SPECI referitor la îmbunătățirea condițiilor meteo în zona de aerodrom, respectiv pentru RVR cu valoarea de 600m (sau mai mult) sau valoarea vizibilității orizontale în lungul pistei trece peste pragul de 800m (sau mai mult) , în cazul în care RVR nu este disponibil.

**3. Restrictions regarding ground movements**

Aircraft movements on manoeuvring area to/from RWY 08/26 must follow the Standard Taxi-Routes. When LVTO is in progress only one aircraft is permitted to taxi on apron surface at a time. No other vehicles than FOLLOW-ME car are permitted to operate on manoeuvring area when LVTO is in progress.

**3. Restricții privind mișcarea la sol**

Toate mișcările pe suprafața de manevră spre/dinspre pista 08/26 trebuie făcute utilizând Rutele de Rulare Standard.

În timpul LVTO rularea pe suprafața de manevră este restricționată la o singură aeronavă. Operarea altor vehicule decât mașina FOLLOW-ME pe suprafața de manevră nu este permisă când LVTO este în desfășurare.

**4. Description of LVTO**

CTA-DS with FOLLOW-ME car will take position in front of the aircraft which follows to run, and then will start running on the standard Taxi –Routes as follows:

- a) - from the allocated stand, A taxiway centreline - till STOP – BAR;
- b) - from the allocated stand, A taxiway centreline , runway in use – till the runway take off position , if the PIC requests;

Reaching the STOP BAR or take off position on the runway in use, depending on the situations already mentioned, CTA-DS will inform CTA TWR CLUJ about the end of the aircraft guidance and will ask him to allow the retreat on the runway A or B (were applicable) to the apron W.

After receiving the confirmation for retreat, CTA-DS will switched off the car signalling box and will clear the area by coordinating with CTA TWR CLUJ, following the standard routes.

CTA TWR CLUJ will inform the PIC that the guidance action with the FOLLOW ME car has ended.

**4. Descrierea procedurilor în condiții de vizibilitate scăzută**

CTA dirijare sol va ocupa cu autovehiculul „FOLLOW ME“ o poziție în fața aeronavei care urmează să înceapă rularea, apoi va începe rularea pe ruta standard după cum urmează:

- a) - de la poziția de parcare, axul caii de rulare A - pana la STOP-BAR;
- b) - de la poziția de parcare, axul caii de rulare A, pista in serviciu - pana la poziția de decolare pe pista, in cazul solicitării pilotului comandant;

La ajungerea la STOP-BAR sau la poziția de decolare pe pista in serviciu (08-26), funcție de situațiile mai sus precizate, va informa CTA TWR CLUJ asupra terminării însoțirii aeronavei și va solicita acestuia aprobarea de retragere pe calea de rulare B sau A (dupa caz) la platforma de parcare W.

Dupa primirea aprobării de retragere, va opri caseta luminoasa și va degaja zona prin coordonare cu CTA TWR CLUJ urmand rutele standard.

CTA din TWR va comunica pilotului comandant faptul că însoțirea cu masina FOLLOW-ME s-a încheiat.

**LRCL AD 2.23 ADDITIONAL INFORMATION**

The air operators who regular flying on Cluj Napoca International Airport, are required to request and receive approval for operating hours at the airport, both before setting program winter/summer and for any change in operating hours, the introduction of new destination and frequencies on existing destinations.

This request must be made by fax and post at least 15 days before the operation.

**LRCL AD 2.24 CHARTS RELATED TO THE AERODROME**

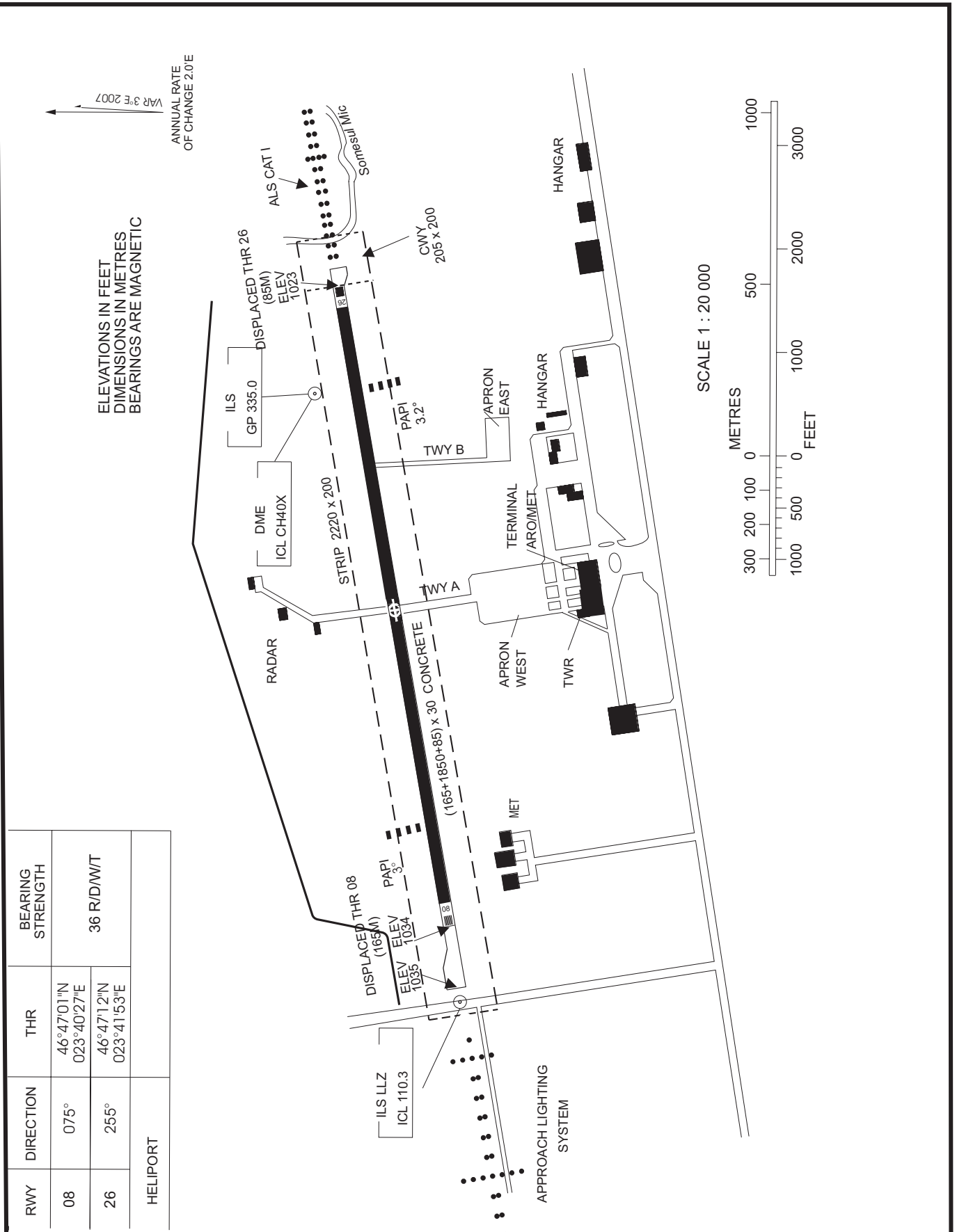
Aerodrome Chart – ICAO .....	AD 2.7-20/20a
Aerodrome Obstacle Chart - ICAO - Type A	
RWY 26 .....	AD 2.7-25
RWY 08 .....	AD 2.7-26
Standard Arrival Charts - Instrument - ICAO	
RWY 26 .....	AD 2.7-36
RWY 08 .....	AD 2.7-37
Instrument Approach Charts - ICAO	
RWY 26 ILS DME .....	AD 2.7-51
RWY 26 PAR .....	AD 2.7-61
RWY 08 PAR .....	AD 2.7-62
RWY 26 VOR DME Circling .....	AD 2.7-81
RWY 08 VOR DME Circling .....	AD 2.7-82

**AERODROME CHART - ICAO** 46° 47' 06" N  
023° 41' 10" E  
**ELEV 1035FT**

CLUJ TOWER 134.4

**CLUJ NAPOCA / Cluj Napoca**  
(LRCL)

Changes: DECLARED DISTANCES

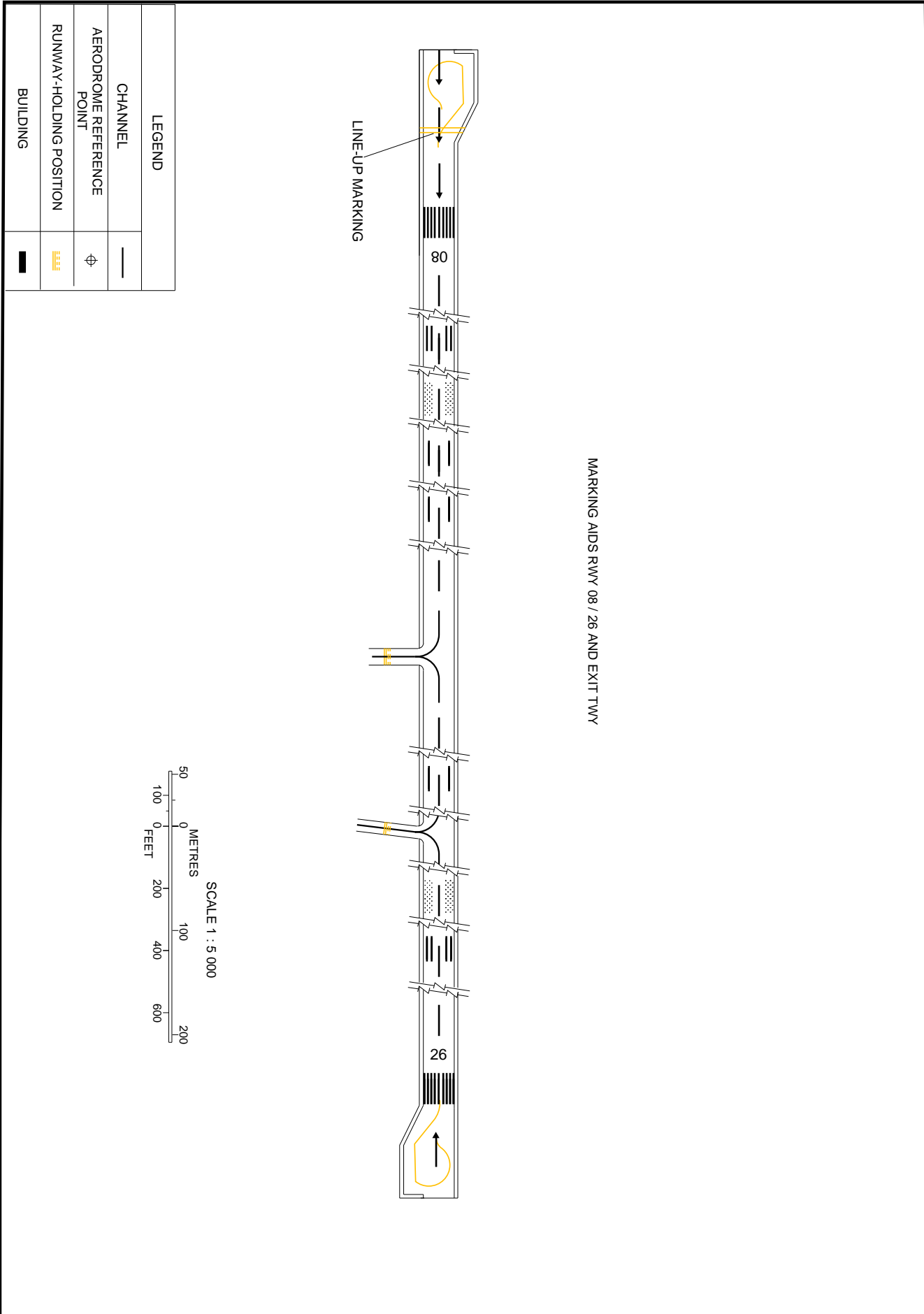


AERODROME CHART - ICAO

46° 47' 06" N  
023° 41' 10" E  
ELEV 1035FT

CLUJ TOWER 134.4

CLUJ NAPOCA /  
Cluj Napoca (LRCL)



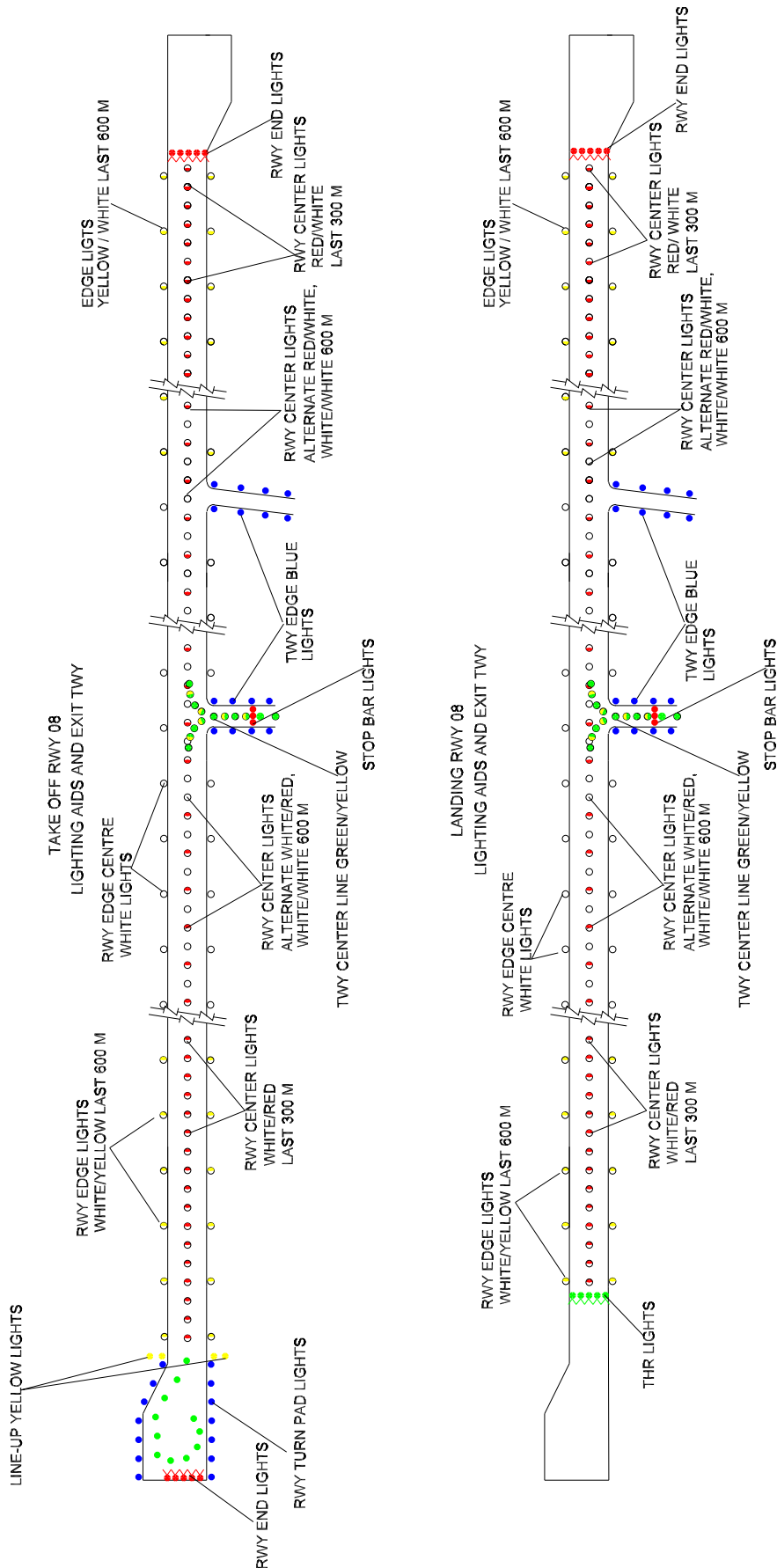
AERODROME CHART - ICAO

46° 47' 06" N  
023° 41' 10" E  
ELEV 1035FT

CLUJ TOWER 134.4

CLUJ NAPOCA  
Cluj Napoca (LRCL)

new chart



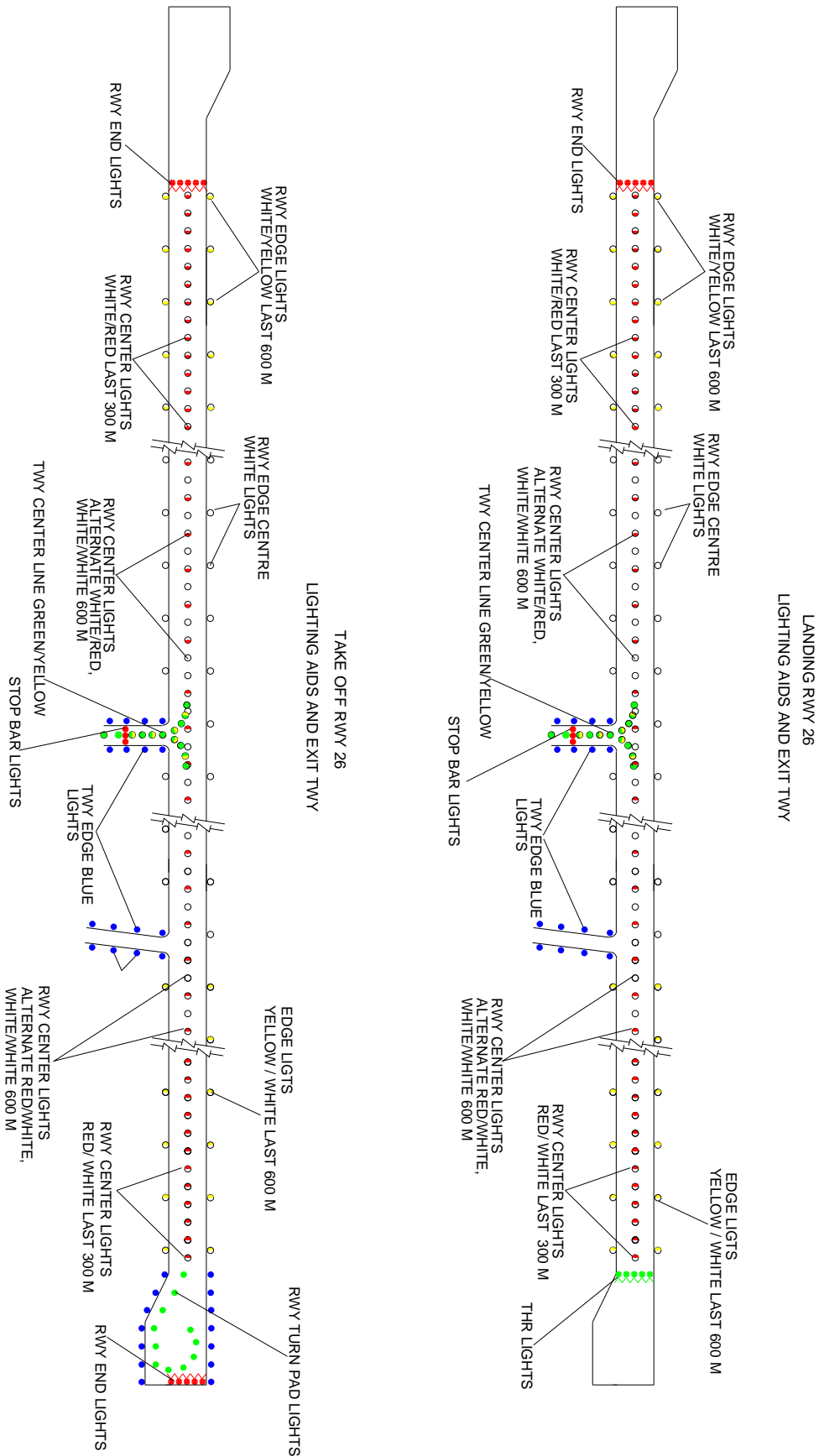
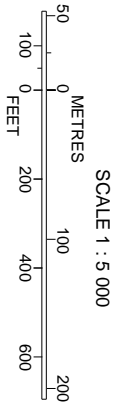
AERODROME CHART - ICAO

46° 47' 06" N  
023° 41' 10" E  
ELEV 1035FT

CLUJ TOWER 134.4

CLUJ NAPOCA /  
Cluj Napoca (LRCL)

New chart.



**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	414 FT / 22.4°C
4	Geoid undulation at AD ELEV PSN	128 FT
5	MAG VAR/ Annual rate of change	4°E (2010) / 2.7°E
6	AD Administration, address, telephone, telefax, telex, AFS	Aeroportul Satu Mare Șos. Satu Mare - Zalău, km 9.5. Tel: +40-(0)261-768640; +40-(0)261-768846 +40-(0)788-600392 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 Administration	W: 0500 - 1700; S: 0400 - 1600 Days of operation: Monday - Saturday
2	Customs and immigration	As AD Administration
3	Health and sanitation	As AD Administration
4	AIS Briefing Office	Nil
5	ATS Reporting Office (ARO)	As AD Administration
6	MET Briefing Office	As AD Administration
7	ATS	As AD Administration
8	Fuelling	As AD Administration
9	Handling	As AD Administration
10	Security	H24
11	De-icing	As AD Administration
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	2 trucks, cargo capability up to 1 t, 1 loading belt
2	Fuel/Oil types	JET A1/Nil
3	Fuelling facilities/capacity	1 refueling truck 20000l
4	De-icing facilities	1 de-icing unit with 600l water and 400l fluid 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.



**LRSB AD 2.1 AERODROME LOCATION INDICATOR AND NAME**  
**LRSB - SIBIU / Sibiu**

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

1	<i>ARP coordinates and site at AD</i>	454709N 0240508E Runway centre.
2	<i>Direction and distance from city</i>	270°, 3 km from Sibiu.
3	<i>Elevation/Reference temperature</i>	1520 FT / 21.7°C
4	<i>Geoid undulation</i>	138 FT
5	<i>MAG VAR/ Annual rate of change</i>	5°E (2010)
6	<i>AD Administration, address, telephone, telefax, telex, AFS</i>	Aeroportul International Sibiu Șos. Alba Iulia, nr. 73, Sibiu, cod 550052 Tel: +40-(0)269-253135; +40-(0)269-253057 Fax: +40-(0)269-253131 AFS: LRSBRAYD SITA: SBZ
7	<i>Types of traffic permitted (IFR/VFR)</i>	IFR/VFR
8	<i>Remarks</i>	Nil

**LRSB AD 2.3 OPERATIONAL HOURS**

1	<i>AD Administration</i>	H24
2	<i>Customs and immigration</i>	H24
3	<i>Health and sanitation</i>	H24
4	<i>AIS Briefing Office</i>	H24
5	<i>ATS Reporting Office (ARO)</i>	H24
6	<i>MET Briefing Office</i>	H24
7	<i>ATS</i>	H24
8	<i>Fueling</i>	H24
9	<i>Handling</i>	H24
10	<i>Security</i>	H24
11	<i>De-icing</i>	H24
12	<i>Remarks</i>	Nil

**LRSB AD 2.4 HANDLING SERVICES AND FACILITIES**

1	<i>Cargo-handling facilities</i>	3 tractor for equipments, 10 trailers, 3 self-propeller conveyor-belt loader, 4 self-propeller stairs, 2 tractable stairs
2	<i>Fuel/Oil types</i>	Kerosene JET A1 / Nil
3	<i>Fueling facilities/capacity</i>	1 refueling truck of 18 t, 1 refueling truck of 45 t
4	<i>De-icing facilities</i>	One unit with liquid killfrost type ABC II plus minimal rate 120L/min <del>One unit with liquid killfrost type ABC II plus minimal rate 220L/min</del>
5	<i>Hangar space for visiting aircraft</i>	Nil
6	<i>Repair facilities for visiting aircraft</i>	Nil
7	<i>Remarks</i>	3 GPU units 115V and 28V, 1 GPU unit with 28V 1 self-propeller lavatory service vehicle, 1 self-propeller portable water vehicle, 1 cabin/engine heater equipment 1 air start unit

**LRSB AD 2.5 PASSENGER FACILITIES**

1	<i>Hotels</i>	Hotels in the city.
2	<i>Restaurants</i>	Restaurant, snack bar on the AD, HO
3	<i>Transportation</i>	Buses, taxis and airport shuttle bus.
4	<i>Medical facilities</i>	1 ambulance and first aid on the AD. Hospitals in the city
5	<i>Bank and Post Office</i>	In the city.
6	<i>Tourist Office</i>	At the AD.
7	<i>Remarks</i>	Nil

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

1	<i>AD category for fire fighting</i>	Within AD HR: CAT 8
2	<i>Rescue equipment</i>	1 rescue equipment type HOLMATRO
3	<i>Capability for removal of disabled aircraft</i>	Nil
4	<i>Remarks</i>	Nil

**LRSB AD 2.7 SEASONAL AVAILABILITY - CLEARING**

1	<i>Types of clearing equipment</i>	2 snowblower, 3 trucks with brush and blade, 1 autospreader de-icing
2	<i>Clearance priorities</i>	1. RWY 09/27 2. TWY 3. Apron
3	<i>Remarks</i>	Information on snow clearance published from November-April in NOTAM (SNOWTAM). See also the snow plan in section AD 1.2.2.

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

1	<i>Apron surface and strength</i>	Surface: Concrete Strength: 56 R/D/W/T
2	<i>Taxiway width, surface and strength</i>	Width: TWY E: 25 M ; TWY W,N : 18 M Surface: Concrete Strength: 56 R/D/W/T
3	<i>ACL location and elevation</i>	Nil
4	<i>VOR checkpoints</i>	Nil
5	<i>INS checkpoints</i>	See Aircraft parking chart AD 2.13-22
6	<i>Remarks</i>	RWY turning bay: Location THR 09 and THR 27 Surface: concrete Dimensions: 15M x 100M Strength : 56 R/D/W/T

**LRSB AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS**

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

AERODROME CHART - ICAO

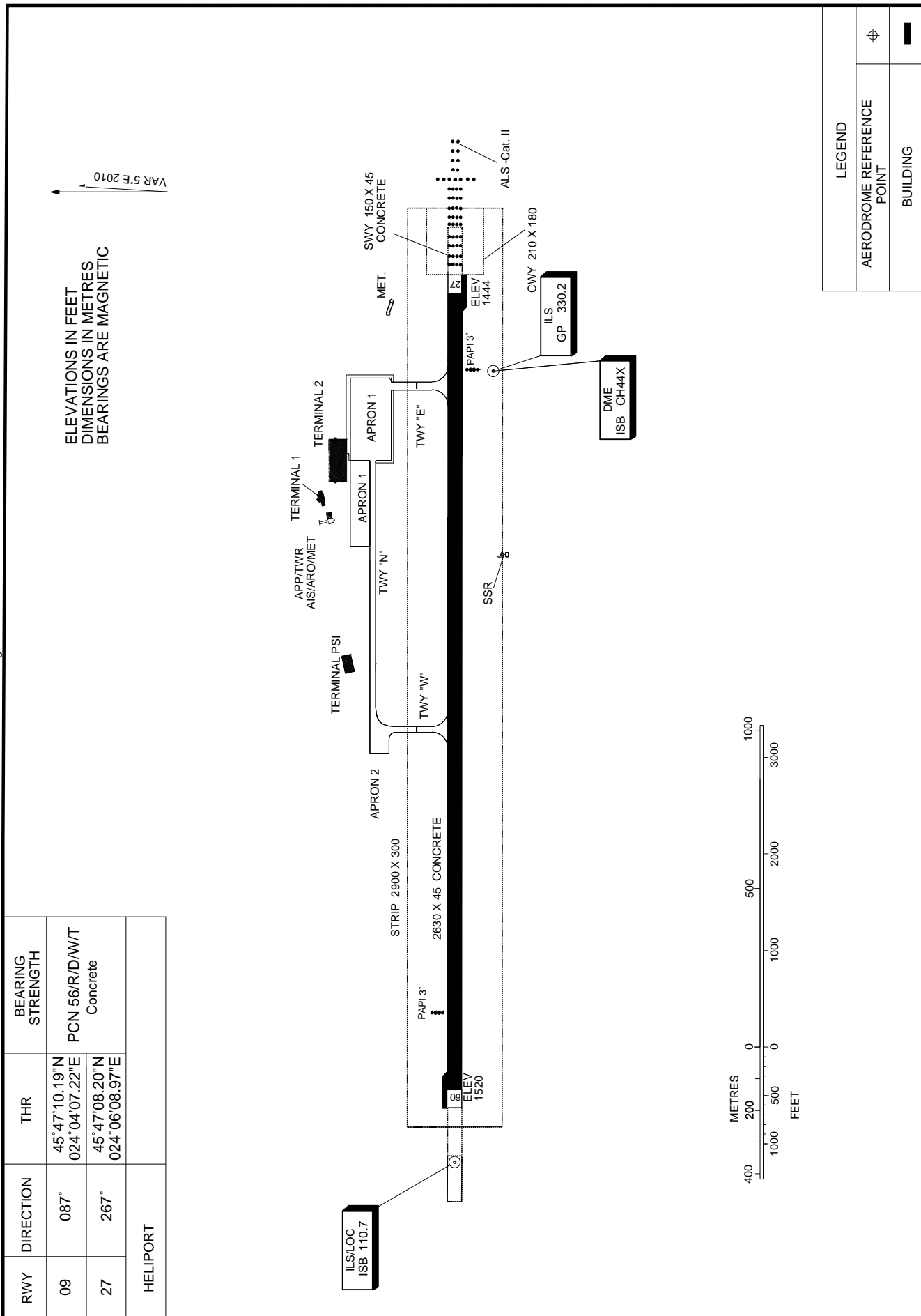
45° 47' 09" N  
024° 05' 08" E

ELEV 1520 FT

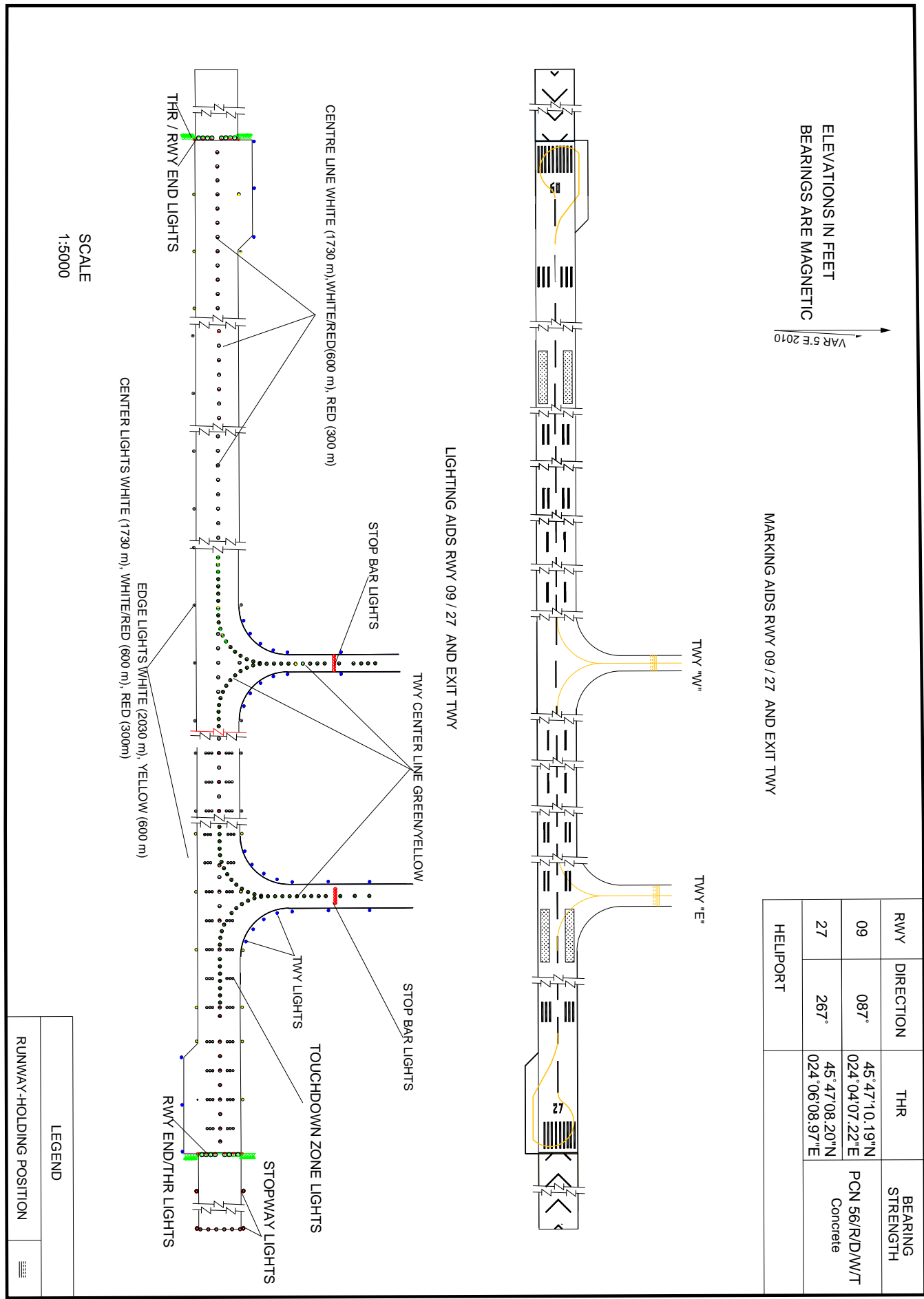
SIBIU TOWER 122.7

SIBIU / Sibiu(LRSB)

Changes: RWY direction.



AERODROME CHART - ICAO 45° 47' 09" N 024° 05' 08" E ELEV 1520 FT SIBIU TOWER 122.7 SIBIU / Sibiu(LRSB)



Changes: Chart redrawn

## LRTR AD 2.1 AERODROME LOCATION INDICATOR AND NAME

## LRTR - TIMIȘOARA / Traian Vuia

## LRTR AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP co-ordinates and site at AD	454835N 0212016E Runway center.
2	Direction and distance from city	45°, 11 km from Timișoara.
3	Elevation/Reference temperature	348 FT / 23°C
4	Geoid undulation at AD ELEV PSN	144 FT
5	MAG VAR/ Annual rate of change	3°E (2009) / 2.9'E
6	AD Administration, address, telephone, telefax, telex, AFS	S.N.Aeroportul International Timisoara Traian Vuia S.A., Str. Aeroport Nr. 2, 307210 Ghiroda, Romania Tel: + 40-(0)256-491637 Fax: + 40-(0)256-490705 Tel/Fax: + 40-(0)256-493123 AFS: LRTRRAYD SITA: TSRAP8X e-mail: office@aerotim.ro
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	Nil

## LRTR 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/Fax: +40-(0)256-494034
6	MET Briefing Office	H24
7	ATS	H24
8	Fuelling	H24
9	Handling	H24
10	Security	H24
11	De-icing	H24
12	Remarks	Nil

## LRTR AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	1 hi-loader of 7t, 5 conveyer belts, 1 fork-lifts, 6 ramp tractors, 20 cargo carts
2	Fuel/Oil types	Kerosene Th type JET A1 AVGAS 100LL (available with prior notification within 3 hours)
3	Fuelling facilities/capacity	Nil
4	De-icing facilities	2 de-icing/anti-icing units with type I and type II fluids
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Preliminary briefing, requests of operating permissions on aerodrome and handling shall be sent only at: Fax: +40 - (0)256 - 493123 (H24) AFTN: LRTRRAYD SITA: TSRAP8X (H24) Any other way of contact may cause delays.

**LRTR AD 2.5 PASSENGER FACILITIES**

1	Hotels	Hotels in the city.
2	Restaurants	Restaurant on the AD.
3	Transportation	Buses, taxis, rent-a-car.
4	Medical facilities	Ambulance and first aid on the AD. Hospitals in the city..
5	Bank and Post Office	ATM on the AD. Bank and Post Office in the city.
6	Tourist Office	In the city
7	Remarks	Nil

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

1	AD category for fire fighting	CAT 7
2	Rescue equipment	Nil
3	Capability for removal of disabled aircraft	Nil
4	Remarks	Nil

**LRTR AD 2.7 SEASONAL AVAILABILITY - CLEARING**

1	Types of clearing equipment	1 snow blower, 3 tractors with snow ploughs, 2 tractors with snow blowers, 2 towed sweepers, 1 urea spreader
2	Clearance priorities	1. RWY 11/29 2. TWY's A, B, C and L. 3. Apron and Apron West.
3	Remarks	Information on snow clearance published from November-April in NOTAM (SNOWTAM). See also the snow plan in section AD 1.2.2

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

1	Apron surface and strength	APRON Surface: Concrete Strength: 30/R/C/W/T	APRON WEST Surface: Concrete Strength: Nil
2	Taxiway width, surface and strength	Width: 23 M (A,B,L), 30 M (P), 33 M (C) Surface: Asphalt (A,B), Concrete (C,L,P) Strength: 31/R/C/W/T (A), 29/R/C/W/T (B), 80/R/D/W/T (C,L,P)	
3	ACL location and elevation	Location: At Apron. Elevation: 341 FT / 104 M	
4	INS checkpoints	INS: See AD 2.16-22	
5	Remarks	RWY turning bay: Location: THR 29 Surface: Asphalt Dimensions: 100 M x 27 M Strength: 37/R/A/W/T TWY P – available for towed aircrafts only. TWY D and TWY E – available for military traffic only.	

**LRTR 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	Taxi directions into aircraft parking positions, taxi guidance lines with designators, nose out guidance at aircraft stands.
2	RWY and TWY markings	RWY: Designation, THR, TDZ, centre line, edges, aiming point, RWY end TWY: Centre line, RWY holding position, edges.
3	Stop bars	Stop bars on TWY A ,B and C
4	Remarks	Nil

**AERODROME CHART - ICAO**  
 45° 48' 35" N  
 021° 20' 16" E  
**ELEV 348FT**

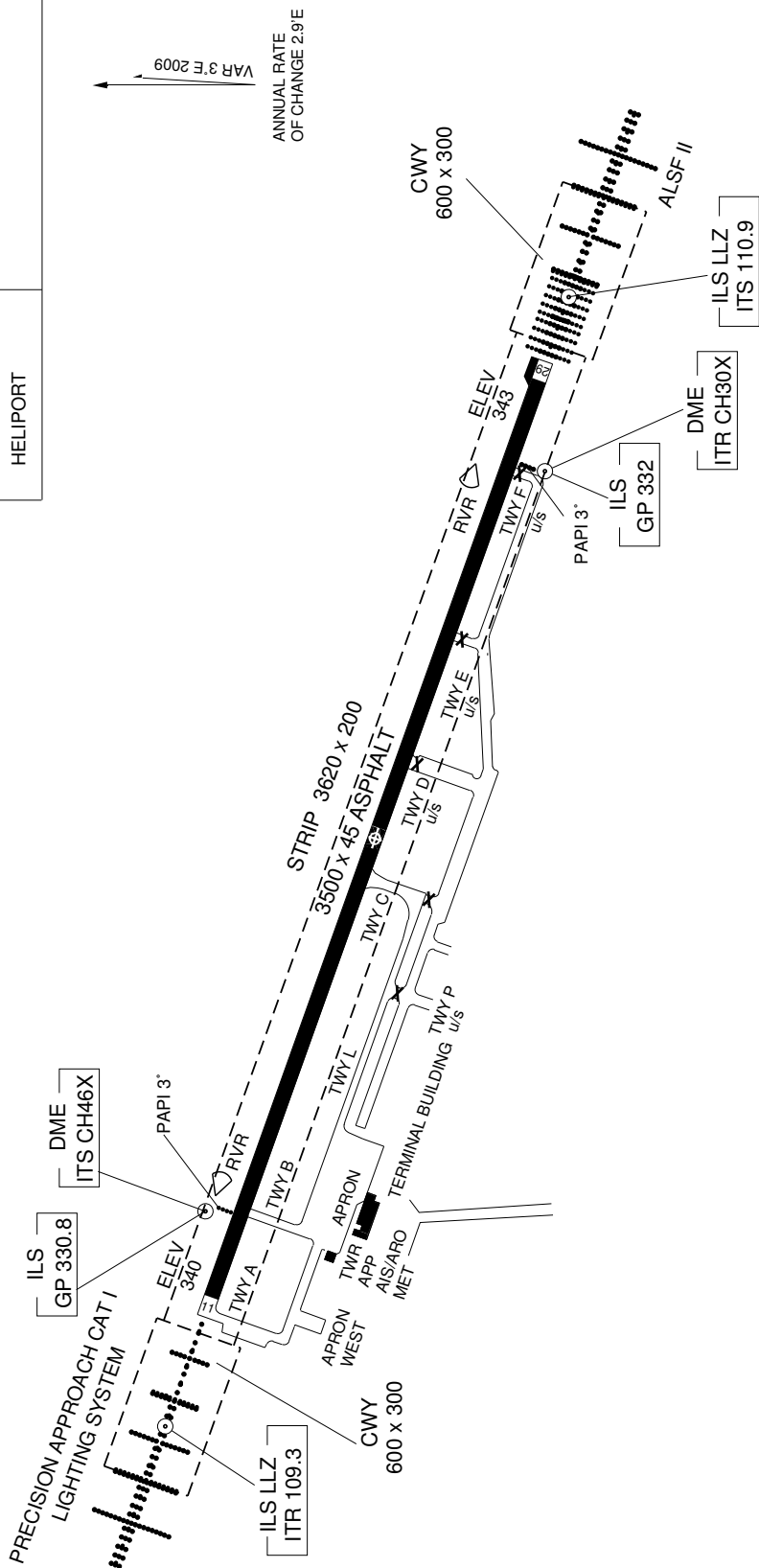
TIMISOARA TOWER 120.1

**TIMISOARA /**  
**Traian Vuia (LRTR)**

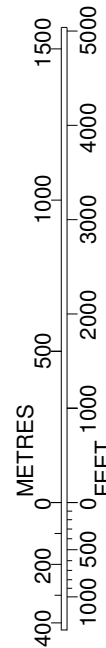
Changes: TWY "P", new PCN value.

RWY	DIRECTION	THR	BEARING STRENGTH
11	107°	45°48'54.50"N 021°19'00.32"E	PCN 37/R/A/W/T Concrete
29	287°	45°48'16.30"N 021°21'32.36"E	
HELIPORT			

ELEVATIONS IN FEET  
 DIMENSIONS IN METRES  
 BEARINGS ARE MAGNETIC



SCALE 1 : 25 000



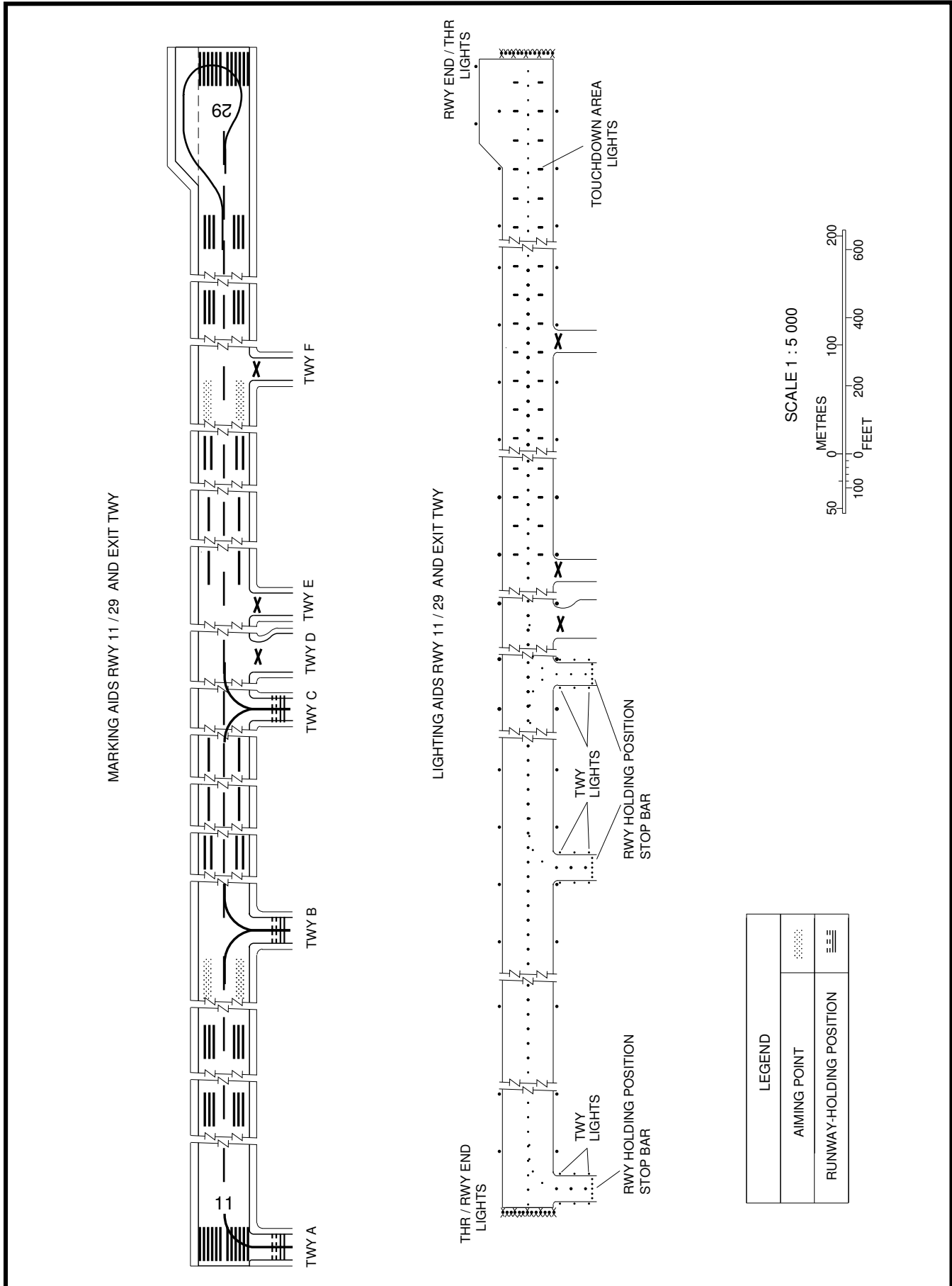
LEGEND	
RUNWAY VISUAL RANGE (RVR)	◁
OBSERVATION SITE	⊕
AERODROME REFERENCE POINT	⊕
BUILDING	■

AERODROME CHART - ICAO 45° 48' 35" N  
021° 20' 16" E

ELEV 348FT

TIMISOARA TOWER 120.1

TIMISOARA /  
Traian Vuia (LRTR)



**AIRCRAFT PARKING /  
DOCKING CHART - ICAO**

**APRON ELEV  
341 FT**

APP/TWR 120.1

**TIMISOARA / Traian Vuia (LRTR)  
APRON WEST**

