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
10
04 SEP 2025

AIRAC AIP AMENDMENT 10/25

I. Content

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- new ILS instrument flight procedures
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III. **Amend RECORD OF AIP AMDT (GEN 0.2) accordingly.**

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5. List of aeronautical charts available
Lista hărţilor aeronautice produse

Those charts series marked by an asterisk form part of the AIP.

Title of series	*Scale*	*Name and/or number*	*Price (EUR)*
1	***2***	***3***	***4***
Instrument Approach Chart - ICAO*		**ARAD/Arad**	
(IAC)	1:500 000	LRAR ILS RWY 27 A/B	
	1:500 000	LRAR ILS RWY 27 C/D	
	1:500 000	LRAR VOR RWY 09	
	1:500 000	LRAR VOR RWY 27 A/B	
	1:500 000	LRAR VOR RWY 27 C/D	
		BACĂU/George Enescu	
	1:500 000	LRBC ILS Z RWY 34	
	1:500 000	LRBC ILS Y RWY 34	
	1:500 000	LRBC RNP RWY 16	
	1:500 000	LRBC RNP RWY 34	
	1:500 000	LRBC NDB Z RWY 16	
	1:500 000	LRBC NDB Y RWY 16	
	1:500 000	LRBC NDB Z RWY 34	
	1:500 000	LRBC NDB Y RWY 34	
		BAIA MARE/Maramureş	
	1:500 000	LRBM ILS Y RWY 09 A, B	
	1:500 000	LRBM ILS Z RWY 09 C, D	
	1:500 000	LRBM RNP RWY 09	
	1:500 000	LRBM NDB W RWY 09 A, B	
	1:500 000	LRBM NDB X RWY 09 C, D	
	1:500 000	LRBM NDB Y RWY 09 A, B	
	1:500 000	LRBM NDB Z RWY 09 C, D	
		BRAŞOV/Braşov-Ghimbav	
	1:500 000	LRBV ILS RWY 21	
	1:500 000	LRBV RNP Z RWY 03	
		BUCUREŞTI/Băneasa-Aurel Vlaicu	
	1:500 000	LRBS ILS RWY 07 A/B	
	1:500 000	LRBS ILS RWY 07 C/D	
	1:500 000	LRBS ILS RWY 25 A/B	
	1:500 000	LRBS ILS RWY 25 C/D	
	1:500 000	LRBS NDB RWY 07 A/B	
	1:500 000	LRBS NDB RWY 07 C/D	
	1:500 000	LRBS NDB RWY 25 A/B	
	1:500 000	LRBS NDB RWY 25 C/D	
		BUCUREŞTI/Henri Coandă	
	1:500 000	LROP ILS RWY 08R	
	1:500 000	LROP ILS RWY 08L	
	1:500 000	LROP ILS RWY 26R	
	1:500 000	LROP ILS RWY 26L	
	1:500 000	LROP NDB RWY 08R	
	1:500 000	LROP NDB RWY 08L	
	1:500 000	LROP NDB RWY 26R	
	1:500 000	LROP NDB RWY 26L	
		CLUJ-NAPOCA/Avram Iancu	
	1:500 000	LRCL ILS RWY 25	
	1:500 000	LRCL RNAV (GNSS) RWY 07	
	1:500 000	LRCL RNAV (GNSS) RWY 25	
	1:500 000	LRCL VOR RWY 07	
		CONSTANŢA/Mihail Kogălniceanu - Constanţa	
	1:500 000	LRCK ILS RWY 36	
	1:500 000	LRCK RNP RWY 18	
	1:500 000	LRCK RNP RWY 36	
	1:500 000	LRCK VOR RWY 18	
	1:500 000	LRCK VOR RWY 36	
		CRAIOVA/Craiova	
	1:500 000	LRCV ILS Z RWY 26	
	1:500 000	LRCV ILS Y RWY 26	
	1:500 000	LRCV RNP RWY 08	
	1:500 000	LRCV RNP RWY 26	
	1:500 000	LRCV VOR Z RWY 26	
	1:500 000	LRCV VOR Y RWY 26	
	1:500 000	LRCV VOR Z RWY 08	
	1:500 000	LRCV VOR Y RWY 08	
		IAŞI/Iaşi	
	1:500 000	LRIA ILS Z RWY 14	
	1:500 000	LRIA ILS Y RWY 14	
	1:500 000	LRIA RNP 14	
	1:500 000	LRIA RNP 32	

1	2	3	4
Instrument Approach Chart - ICAO*	1:500 000	LRIA NDB Z RWY 14	
(IAC)	1:500 000	LRIA NDB Y RWY 14	
	1:500 000	LRIA NDB Z RWY 32	
	1:500 000	LRIA NDB Y RWY 32	
		ORADEA/Oradea	
	1:500 000	LROD ILS Y RWY 19	
	1:500 000	LROD ILS Z RWY 19	
	1:500 000	LROD RNP RWY 19	
	1:500 000	LROD NDB Y RWY 19 A/B	
	1:500 000	LROD NDB Z RWY 19 C/D	
		SATU MARE/Satu Mare	
	1:500 000	LRSM ILS RWY 19 A/B	
	1:500 000	LRSM ILS RWY 19 C/D	
	1:500 000	LRSM VOR RWY 19 A/B	
	1:500 000	LRSM VOR RWY 19 C/D	
	1:500 000	LRSM VOR RWY 01	
		SIBIU/Sibiu	
	1:500 000	LRSB ILS RWY 27	
	1:500 000	LRSB NDB RWY 09	
		SUCEAVA/Ştefan Cel Mare-Suceava	
	1:500 000	LRSV ILS or LOC Z RWY 34	
	1:500 000	LRSV ILS or LOC Y RWY 34	
	1:500 000	LRSV RNP RWY 16	
	1:500 000	LRSV RNP RWY 34	
	1:500 000	LRSV VOR Z RWY 16	
	1:500 000	LRSV VOR Y RWY 16	
	1:500 000	LRSV VOR Z RWY 34	
	1:500 000	LRSV VOR Y RWY 34	
		TÂRGU MUREŞ/Transilvania-Târgu Mureş	
	1:500 000	LRTM ILS RWY 07 A/B	
	1:500 000	LRTM ILS RWY 07 C/D	
	1:500 000	LRTM NDB RWY 07 A/B	
	1:500 000	LRTM NDB RWY 07 C/D	
	1:500 000	LRTM NDB RWY 25 A/B	
	1:500 000	LRTM NDB RWY 25 C/D	
		TIMIŞOARA/Tarian Vuia	
	1:500 000	LRTR ILS RWY 11 A, B	
	1:500 000	LRTR ILS RWY 11 C, D	
	1:500 000	LRTR ILS RWY 29 A, B	
	1:500 000	LRTR ILS RWY 29 C, D	
	1:500 000	LRTR NDB RWY 11 A, B	
	1:500 000	LRTR NDB RWY 11 C, D	
	1:500 000	LRTR NDB RWY 29 A, B	
	1:500 000	LRTR NDB RWY 29 C, D	
		TULCEA/Delta Dunării	
	1:500 000	LRTC ILS RWY 34	
	1:500 000	LRTC VOR RWY 34	
Instrument Approach Chart*		**BRAŞOV/Braşov-Ghimbav**	
(IAC)	1:500 000	LRBV RNP RWY 03 Contingency	
Aerodrome Chart - ICAO*		**ARAD/Arad**	
(AC)	1:7 000	**ARAD/Charlie-Bravo Şiria**	
	1:20 000	**BACĂU/George Enescu**	
	1:15 000	**BAIA MARE/Maramureş**	
	1:5 000	**BISTRIŢA/Bistriţa**	
	1:20 000	**BRAŞOV/Braşov-Ghimbav**	
	1:5 000	**BRAŞOV/Sânpetru**	
		BUCUREŞTI/Băneasa-Aurel Vlaicu	
		BUCUREŞTI/Henri Coandă	
	1:10 000	**CARANSEBEŞ/Banat-Caransebeş**	
	1:5 000	**CISNĂDIE/Măgura**	
	1:6 000	**CLINCENI/Clinceni**	
	1:15 000	**CLUJ NAPOCA/Avram Iancu**	
	1:20 000	**CONSTANŢA/Mihail Kogălniceanu-Constanţa**	
		CRAIOVA/Craiova	
	1:5 000	**CRAIOVA/Craiova-Sud**	
	1:10 000	**DEVA/Săuleşti-Constantin Manolache**	
	1:5 000	**DEZMIR/Dezmir**	
	1:8 000	**GHEORGHENI/Remetea**	
	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	**PLOIEŞTI/Gheorghe Valentin Bibescu-Ploieşti**	

1	2	3	4
Aerodrome Chart - ICAO* (AC)		**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**	
	1:1 000	**TUZLA/Tuzla**	
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	
		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**
Aerodrome Ground Movement Chart - ICAO*	1:25 000	**BUCUREŞTI/Henri Coandă**	
		CLUJ NAPOCA/Avram Iancu	
		PLOIEŞTI/Gheorghe Valentin Bibescu-Ploieşti	
		TULCEA/Delta Dunării	

1	2	3	4
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	
		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	
		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	

1	2	3	4
RNAV Arrival Chart*		**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 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	
		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	
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**	10
		Free Route Airspace	10
		Lateral and Vertical Limits of SEE FRA - BUCUREŞTI CTA within SEE FRA	

1	2	3	4
En-route Charts * / Area Charts * - ICAO		**ARAD TMA Lateral and vertical limits** **BUCUREŞTI TMA Lateral and vertical limits** **NAPOC TMA Lateral and vertical limits** **Flight Information Service (FIS) Areas**	
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** **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	
		PLOIEŞTI/Gheorghe Valentin Bibescu-Ploieşti	
	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 RWY 16/34 Aerodrome traffic circuit	
		BRAŞOV/Sânpetru	
	1:15 000	LRSP RWY12/30 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	
	1:30 000	LRCN 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 MUREŞ/Mureşeni	
	1:30000	LRMS RWY 05/23 Aerodrome traffic circuit	

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*	W: 0500-1900; S: 0400-1800
5	*ATS Reporting Office (ARO)*	W: 0500-1900; S: 0400-1800
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 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	62/R/C/W/T	
2	*Taxiway designation, width, surface and strength*		TWY A, B, E	Apron TWY C, D1, D2	Apron TWY F
		Width:	18 M	18 M	18 M
		Surface:	Concrete	Concrete	Concrete
		Strength:	62/R/C/W/T	65/R/C/W/T	62/R/C/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 - 62/R/C/W/T 520M before RWY 19 END - 61/R/C/W/T RWY 19 END - 62/R/C/W/T	

LROD 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 at aircraft stands*	Taxiing guidance signs at intersection with TWY, guide lines on the apron. Mandatory instructions markings. Guide lines at apron. For all stands parking guidance provided by marshallers. Guidance green and yellow lights (LIH) for stand 10 at APRON 1 Guidance yellow lights (LIH) for stand 10 at APRON 1 Guidance yellow lights (LIH) for stand 1, 2, 3, 4 at APRON 2
2	*RWY and TWY markings and LGT*	RWY: - markings: color white - designation, centre line, THR, aiming point, TDZ, RWY side strip. - lights: THR and wing bar lights, centre line lights, end lights, edge lights, TDZ lights. TWY A, E: - markings: color yellow - centre line, runway holding position, edges, enhanced centre line, runway designator marking. - lights: centre line lights, taxiway edges lights, stop bar lights. TWY B: - markings: color yellow - centre line, runway holding position, intermediate holding position, edges, enhanced centre line, runway designator marking. - lights: centre line lights, taxiway edges lights, stop bar lights. TWY C: - markings: color yellow - centre line, intermediate holding position. - lights: centre line lights, intermediate holding position lights. TWY F, D1, D2: - markings: color yellow - centre line. - lights: centre line line lights.
3	*Stop bars and runway guard lights*	Red stop bar on TWY A Red stop bar on TWY B Red stop bar on TWY E
4	*Other RWY protection measure*	NIL
5	*Remarks*	THR 19 displaced 150 M Turn pad (at RWY 01 END): - markings: color yellow - centre line, edge; - lights: centre line lights, edges lights. Turn pad (520M before RWY 19 END): - markings: color yellow - centre line, edge; - lights: centre line lights, edges lights. Turn pad (at RWY 19 END): - markings: color yellow - centre line, edge; - lights: centre line lights, edges lights. ~~APRON 1 guidance light (LIH) for aircraft stands 8, 9 and 10 are partially green. See Aircraft Parking/Docking Chart AD 2.11-22~~

LROD 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***
LROD_1	ANTENNA	465957.7N 0220018.1E	919/334 FT	MARKED/LGTD R	NIL
LROD_2	ANTENNA	470320.0N 0215631.6E	602/191 FT	NIL	
LROD_4	ANTENNA	470258.0N 0215630.1E	569/159 FT	NIL	
LROD_8	ANTENNA	465751.1N 0215809.2E	903/130 FT	NIL	
LROD_9	ANTENNA	465958.9N 0215255.9E	565/76 FT	NIL	
LROD_11	ANTENNA	470334.8N 0215704.1E	726/54 FT	NIL	
LROD_12	ANTENNA	470328.4N 0215802.1E	990/223 FT	MARKED/LGTD R	
LROD_13	ANTENNA	470332.9N 0215817.1E	1027/233 FT	MARKED/LGTD R	
LROD_14	ANTENNA	470331.7N 0215822.3E	1371/548 FT	MARKED/LGTD R	
LROD_15	ANTENNA	470329.3N 0215828.6E	1020/171 FT	MARKED/LGTD R	
LROD_16	ANTENNA	470327.9N 0215850.4E	1007/170 FT	MARKED/LGTD R	
LROD_17	ANTENNA	470332.0N 0215810.0E	880/85 FT	MARKED/LGTD R	
LROD_22	ANTENNA	470149.3N 0215419.9E	468/20 FT	NIL	
LROD_23	ANTENNA	470151.9N 0215420.5E	469/21 FT	NIL	
LROD_25	ANTENNA	470146.5N 0215419.6E	484/34 FT	NIL	
LROD_33	ANTENNA	470136.3N 0215352.2E	511/62 FT	NIL	
LROD_34	ANTENNA	470135.0N 0215351.8E	520/71 FT	NIL	
LROD_69	BUILDING	470307.8N 0215622.4E	633/222 FT	NIL	

a	b	c	d	e	f
LROD_70	BUILDING	470338.4N 0215613.4E	600/182 FT	NIL	NIL
LROD_72	BUILDING	470324.1N 0215523.5E	555/155 FT	NIL	
LROD_96	BUILDING	470525.9N 0215844.1E	807/101 FT	NIL	
LROD_98	BUILDING	465955.4N 0215708.7E	655/97 FT	NIL	
LROD_104	BUILDING	470028.2N 0215305.7E	578/89 FT	NIL	
LROD_105	BUILDING	465754.7N 0215830.7E	912/89 FT	NIL	
LROD_139	BUILDING	470407.4N 0215555.6E	623/185 FT	NIL	
LROD_140	BUILDING	470212.7N 0215641.6E	629/187 FT	NIL	
LROD_142	BUILDING	470319.9N 0215542.6E	560/146 FT	NIL	
LROD_143	BUILDING	470315.0N 0215537.9E	601/200 FT	NIL	
LROD_145	BUILDING	465959.4N 0215300.8E	576/86 FT	NIL	
LROD_146	BUILDING	465937.8N 0215252.8E	593/108 FT	NIL	
LROD_147	BUILDING	470313.3N 0215543.9E	588/175 FT	NIL	
LROD_173	WATER TOWER	465942.0N 0215330.0E	576/74 FT	NIL	
LROD_184	WATER TOWER	470220.4N 0215331.2E	541/105 FT	NIL	
LROD_187	STACK	470502.9N 0215338.0E	751/366 FT	NIL	
LROD_188	STACK	470504.6N 0215334.3E	976/591 FT	NIL	
LROD_201	BUILDING	470314.7N 0215445.7E	520/132 FT	NIL	
LROD_368	BUILDING	470234.5N 0215402.7E	482/67 FT	NIL	
LROD_398	BUILDING	470232.6N 0215404.8E	476/62 FT	NIL	
LROD_522	BUILDING	470008.4N 0215333.5E	535/33 FT	NIL	
LROD_540	BUILDING	470009.1N 0215334.8E	534/32 FT	NIL	
LROD_591	BUILDING	470010.7N 0215339.3E	528/26 FT	NIL	
LROD_601	BUILDING	470007.0N 0215337.3E	527/25 FT	NIL	
LROD_607	BUILDING	470007.3N 0215339.4E	527/24 FT	NIL	
LROD_610	BUILDING	470009.6N 0215336.5E	526/24 FT	NIL	
LROD_617	BUILDING	470012.9N 0215335.9E	524/22 FT	NIL	
LROD_623	BUILDING	470007.1N 0215336.5E	523/21 FT	NIL	
LROD_638	BUILDING	470014.1N 0215336.1E	519/18 FT	NIL	
LROD_639	BUILDING	470023.8N 0215341.4E	516/18 FT	NIL	
LROD_640	BUILDING	470014.0N 0215338.7E	519/17 FT	NIL	
LROD_641	BUILDING	470011.7N 0215336.2E	519/17 FT	NIL	
LROD_642	BUILDING	470015.2N 0215336.2E	518/17 FT	NIL	
LROD_646	BUILDING	470015.7N 0215338.5E	517/23 FT	NIL	
LROD_648	BUILDING	470014.6N 0215339.1E	517/24 FT	NIL	
LROD_649	BUILDING	470020.7N 0215343.9E	513/26 FT	NIL	
LROD_686	BUILDING	470331.7N 0215703.6E	702/55 FT	NIL	
LROD_687	BUILDING	470322.6N 0215539.7E	584/186 FT	NIL	
LROD_735	BUILDING	470135.1N 0215351.7E	504/55 FT	NIL	
LROD_738	TREE	470248.8N 0215501.7E	515/114 FT	NIL	
LROD_739	TREE	470249.1N 0215500.3E	509/109 FT	NIL	
LROD_740	TREE	470248.4N 0215500.8E	508/107 FT	NIL	
LROD_741	TREE	470248.2N 0215503.9E	508/107 FT	NIL	
LROD_742	TREE	470252.9N 0215421.4E	504/107 FT	NIL	
LROD_743	TREE	470250.0N 0215456.4E	504/104 FT	NIL	
LROD_744	TREE	470212.3N 0215444.4E	529/101 FT	NIL	
LROD_747	TREE	470211.6N 0215444.8E	533/95 FT	NIL	
LROD_750	TREE	470227.7N 0215458.4E	508/88 FT	NIL	
LROD_751	TREE	470210.8N 0215445.4E	529/85 FT	NIL	
LROD_754	TREE	465933.6N 0215325.0E	578/79 FT	NIL	
LROD_764	TREE	465936.7N 0215325.0E	571/72 FT	NIL	
LROD_766	TREE	465934.5N 0215325.0E	569/70 FT	NIL	
LROD_768	TREE	465747.2N 0215637.7E	759/70 FT	NIL	
LROD_773	TREE	470207.7N 0215451.3E	517/65 FT	NIL	
LROD_776	TREE	470208.6N 0215450.7E	515/64 FT	NIL	
LROD_793	TREE	465956.5N 0215325.1E	547/47 FT	NIL	
LROD_870	ANTENNA	470256.4N 0215527.8E	579/178 FT	NIL	
LROD_872	ANTENNA	470320.0N 0215501.7E	574/176 FT	NIL	
LROD_885	ANTENNA	465953.8N 0215658.5E	663/141 FT	MARKED/LGTD R	
LROD_890	ANTENNA	470158.6N 0215702.3E	581/133 FT	NIL	
LROD_896	ANTENNA	470311.2N 0215425.6E	526/131 FT	NIL	
LROD_904	ANTENNA	470311.2N 0215425.4E	523/127 FT	NIL	
LROD_905	ANTENNA	465924.2N 0215219.2E	608/127 FT	MARKED/LGTD R	
LROD_907	ANTENNA	470507.1N 0215622.8E	878/158 FT	NIL	
LROD_918	ANTENNA	470510.2N 0215759.8E	924/120 FT	MARKED/LGTD R	
LROD_926	ANTENNA	470255.5N 0215414.9E	508/111 FT	NIL	
LROD_932	ANTENNA	465939.5N 0215325.4E	609/109 FT	NIL	
LROD_936	ANTENNA	465725.2N 0215908.8E	961/106 FT	NIL	
LROD_942	ANTENNA	470015.3N 0215638.6E	638/103 FT	NIL/LGTD R	
LROD_974	ANTENNA	470338.6N 0215710.1E	730/74 FT	NIL/LGTD R	
LROD_990	NAVAID	470149.5N 0215419.8E	496/47 FT	NIL	
LROD_1002	POLE	465840.3N 0215357.6E	640/129 FT	NIL	
LROD_1005	POLE	470104.4N 0215628.0E	602/125 FT	NIL	
LROD_1006	POLE	465836.5N 0215342.9E	642/125 FT	NIL	
LROD_1007	POLE	470055.6N 0215623.5E	604/124 FT	NIL	

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	60/R/C/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	60/R/C/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

LROD 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	Oradea Tower	118.455 120.200 MHz ALTN 121.500 MHz EMERG	NIL	NIL	W: 0500-1900 S: 0400-1800	Exempted 8.33 kHz State aircraft.
APP	Oradea Tower	120.200 MHz	NIL	NIL	W: 0500-1900 S: 0400-1800	Procedural service

LROD 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 19 6°E (2020) ILS CAT II (II.T.3)	IOD	109.500 MHz	H24	470031.5N 0215351.5E	-	NIL	Front course angle 4.19°
GP 19	-	332.600 MHz	H24	470149.5N 0215419.8E	-	NIL	GP angle 3° ILS RDH 52 FT
DME 19	IOD	CH 32X	H24	470149.3N 0215419.9E	500 FT	NIL	NIL
NDB(LO)	ORA	418 KHz	H24	470601.3N 0215526.9E	-	NIL	006° MAG/4.11 NM from THR 19 Coverage 100 NM (declared)
GPS NPA	-	1575.420 MHz	H24	-	-	NIL	Transmitting antennas are satellite based. Maintained by the U.S. Department of Defense.

LROD AD 2.20 LOCAL AERODROME REGULATIONS

1. Airport regulations / Reglementări de aeroport

1.1. Procedures for acceptance

(1) Prior to flight schedule, operators are asked to check the availability of ground handling services and parking space.

1.2. Taxiing the aircraft on the manoeuvring area

(1) Aircraft 180 DEG turn are only permitted on RWY END or INTERMEDIATE turn pads.

(2) Aircraft 180 DEG turn to the intermediate platform for take-off is prohibited. The platforms at the ends of the runway will be used for takeoff.

1.3. Taxiing of aircraft on apron

(1) Taxiing of aircraft on apron shall be carried out under the direction of marshaller.
(2) Always the marshaller's signals prevail over the stand markings and guidance light.
(3) Speed on TWY Charlie must be reduced as it is followed by a tight right junction with TWY D1.

1.1. Proceduri de admisibilitate

(1) Înainte de programarea zborului, operatorii aerieni trebuie să verifice disponibilitatea serviciilor de handling şi a locului de parcare.

1.2. Rularea aeronavelor pe suprafața de manevră

(1) Întoarcerea aeronavelor cu 180 grade este permisă numai pe platformele de la capătul pistei sau pe cea intermediară.
(2) Întoarcerea aeronavelor cu 180 grade la platforma intermediară, pentru decolare, este interzisă. Pentru decolare se vor folosi platformele de la capetele pistei.

1.3. Rularea aeronavelor pe platformă

(1) Rularea aeronavelor pe platformă se efectuează sub dirijarea dispecerului sol.
(2) Semnalele dispecerului de sol prevalează întotdeauna asupra marcajelor standului și luminilor de ghidare.
(3) Viteza de rulare pe TWY Charlie trebuie să fie redusă deoarece este urmată de o intersecție strânsă la dreapta cu TWY D1.

1.4. Aircraft parking

(1) Parking positions on APRON 1:
- stands 01-02: parking position for code letter „C" aircraft (maximum 26.5 m wingspan)
- stands 03-04: parking position for code letter „C" aircraft (maximum 29 m wingspan)
- stands 05-10: parking position for code letter „C" aircraft (maximum 36.0 m wingspan).

(2) Parking positions on APRON 2:
- stands 01-04: nose-in parking position, for code letter „C" aircraft (maximum 36.0 m wingspan).

(3) Aircraft subject to an act of illegal intervention will be parked on runway holding position on TWY B, which will be closed to traffic.

1.5. Exiting the aircraft from the parking position

(1) The departure of the aircraft from the stands at APRON 1 is allowed by self-manoeuvring only with the direction of the aircraft provided by the ground dispatcher.

(2) The exit of the aircraft from the APRON 2 stands is done only by pushback.

1.6. Use of airport by higher code letter aircraft.

1.6.1 General Information

The aircraft with a higher code letter that can operate at Oradea Airport are: A300 B4 600 Freighter (code letter D); A300 B4 600R Freighter (code letter D); A300 C4 600 Freighter (code letter D); A300 C4 600R Freighter (code letter D); A300 F4 600 Freighter (code letter D); A300 F4 600R Freighter (code letter D); A330 200 Freighter (code letter E); A330 300 Freighter (code letter E):

The aircraft with a higher code letter exemplified above will operate only on the following surfaces:
- RWY;
- TWY E;
- TWY F;
- APRON 2.

1.6.2. Taxiing on the Movement Area.

Given the limited dimensions of the turn pads, TWY E, and APRON 2, aircraft will be towed from the runway to the parking position on APRON 2 and from the parking position to the runway as follows:

1.6.2.1. Operation of A300 B4 600 Freighter (code letter D); A300 B4 600R Freighter (code letter D); A300 C4 600 Freighter (code letter D); A300 C4 600R Freighter (code letter D); A300 F4 600 Freighter (code letter D); A300 F4 600R Freighter (code letter D); A330 200 Freighter (code letter E); A330 300 Freighter (code letter E):

1.6.2.1.1. Aircraft Arrival:

- After landing, the aircraft will turn on the turn pads, taxiing at a reduced speed and using the maximum turning angle due to the small radius of the centerline marking;

- The aircraft will taxi up to the centerline marking of TWY E;
- While taxiing on the runway, TWR – Oradea will instruct the pilot to stop at the beginning of the centerline marking of TWY E;
- The aircraft will stop at the beginning of the centerline marking of TWY E;

1.4. Parcarea aeronavelor

(1) Pozițiile de parcare de la APRON 1:
- standuri 01-02: poziții de parcare pentru aeronave cu litera de cod „C" (maximum 26.5 m anvergura aripilor).
- standuri 03-04: poziții de parcare pentru aeronave cu litera de cod „C" (maximum 29 m anvergura aripilor).
- standuri 05-10: poziții de parcare pentru aeronave cu litera de cod „C" (maximum 36 m anvergura aripilor).

(2) Pozițiile de parcare de la APRON 2:
- standuri 01-04: poziții de parcare nose-in, pentru aeronave cu litera de cod „C" (maximum 36 m anvergura aripilor).

(3) Aeronavele supuse unui act de intervenţie ilicită vor fi parcate pe poziţia de aşteptare la pistă de pe TWY B, care va fi inchisă traficului.

1.5. Ieșirea aeronavelor din poziția de parcare

(1) Iesirea de la standurile de la APRON 1 a aeronavelor este permisă prin self-manoeuvring doar cu dirijarea aeronavei asigurată de dispecerul de sol.

(2) Iesirea de la standurile de la APRON 2 a aeronavelor se face numai prin pushback.

1.6. Utilizarea aeroportului de către aeronave cu literă de cod superioară.

1.6.1 Generalități

Aeronavele cu literă de cod superioară care pot opera pe Aeroportul Oradea sunt: A300 B4 600 Freighter (literă de cod D); A300 B4 600R Freighter (literă de cod D); A300 C4 600 Freighter; A300 C4 600R Freighter (literă de cod D); A300 F4 600 Freighter (literă de cod. D); A300 F4 600R Freighter (literă de cod D); A330 200 Freighter (literă de cod E); A330 300 Freighter (literă de cod E).

Aeronavele cu literă de cod superioară exemplificate mai sus, vor opera doar pe următoarele suprafețe:
- RWY;
- TWY E;
- TWY F;
- APRON 2.

1.6.2. Rulajul pe suprafața de mișcare.

Având în vedere dimensiunile reduse ale platformelor de întoarcere, a TWY E și APRON 2, aeronavele vor fi tractate de la pistă până la poțiția de parcare de pe APRON 2 și de la poziția de parcare până la pistă după cum urmează:

1.6.2.1. Operarea aeronavelor A300 B4 600 Freighter(literă de cod D); A300 B4 600R Freighter(literă de cod D); A300 C4 600 Freighter; A300 C4 600R Freighter (literă de cod D); A300 F4 600 Freighter (literă de cod. D); A300 F4 600R Freighter (literă de cod D); A330 200 Freighter (literă de cod E); A330 300 Freighter (literă de cod E):

1.6.2.1.1. Sosirea Aeronavei:

- După aterizare aeronava va întoarce pe platformele de întoarcere, rulând cu o viteză redusă și utilizând un unghi maxim de întoarcere, raza marcajului axial fiind mica;
- Aeronava va rula până la marcajul axial al TWY E;
- În timpul rulajului pe pistă TWR – Oradea va instrui pilotul să oprească la începutul marcajului axial al TWY E;

- Aeronava va opri la începutul marcajului axial de intrare pe TWY E;

- After the aircraft stops at the beginning of the centerline marking at the of TWY E, TWR – Oradea will instruct the pilot to shut down the engines;
- The aircraft will shut down the engines and apply the brakes until coupling for towing;
- The surface of the runway, TWY E, TWY F, and APRON 2 will be closed with a NOTAM;
- After connection, the aircraft will be towed to the parking position.

1.6.2.1.2. Aircraft Departure:

- The aircraft will be towed from the parking position with engines off to the runway, up to the end area of the centre line marking of TWY E;
- In this area, the aircraft engines will be started;
- The aircraft will wait until TWR-Oradea grants taxi clearance onto the runway after the surface is opened via NOTAM;
- The aircraft will turn on the turning pad at low speed, using the maximum turn angle, as the centre line marking radius is small;
- The aircraft will take off after TWR-Oradea grants takeoff clearance.

1.6.3. Visual Slope:

Caution, the visual slope of the Precision Approach Path Indicator (PAPI) has been calculated taking into account the Boeing 737 Series 800 and Airbus A320 Series 200 aircraft.

1.6.4 Turn Pads:

- Be advised: turn pads (at RWY 01 END and at 520M before RWY 19 END) centre line marking does not ensure 180-degree turn;
- The centre line marking of the turn pads does not ensure the taxiing of A330-200F and A330-300F aircraft with the geometric center of the aircraft cabin aligned along the entire length of the marking; the aircraft must maintain a constant turning angle both while on the marking and when exiting it

- După oprire aeronavei la începutul marcajului axial de intrare la TWY E, TWR-Oradea va solicita pilotului oprirea motoarelor;
- Aeronava va opri motoarele și va acționa frânele până la cuplarea pentru tractare;
- Suprafața pistei, a TWY E, TWY F și APRON 2 se vor închide cu NOTAM;
- După cuplare, aeronava va fi tractată până la poziția de parcare;

1.6.2.1.2. Plecarea aeronavei:

- Aeronava va fi tractată de la poziția de parcare, cu motoarele oprite până la pistă, în zona de final a marcajului axial al TWY E;
- În această zonă motoarele aeronavei vor fi pornite;
- Aeronava va aștepta până când TWR-Oradea va da aprobarea de rulaj pe pistă, după deschiderea suprafeței prin NOTAM;
- Aeronava va întoarce pe platforma de întoarcere cu viteză redusă utilizând un unghi de viraj maxim de întoarcere, raza marcajului axial fiind mica;
- Aeronava va decola după ce TWR-Oradea ca da aprobarea de decolare.

1.6.3. Panta vizuală:

Atenție, panta vizuală a Indicatorului traiectoriei de apropiere de precizie (PAPI) a fost calculată ținând cont de aeronaval Boeing 737 seria 800 și Airbus A320 seria 200.

1.6.4 Platformele de întoarcere:

- marcajul axial al platformelor de întoarcere (la capătul pistei 01 și la 520 m înainte de capătul pistei 19) nu asigură întoarcerea completă de 180 de grade;
- marcajul axial al platformelor de întoarcere nu asigură rulajul aeronavelor A330 seria 200F și A330 seria 300F cu centrul geometric al cabinei aeronavei pe întreaga lungime a marcajului, aeronavele trebuie sa utilizeze un unghi de virare constant atât pe marcaj cât și la ieșirea de pe acesta.

2. Standard Taxi Routes / Rutele Standard de Rulare

2.1. Arrival information

Arrival on	Instruction given by ATC					Taxiway to be followed	Remarks
	APRON		Name of the Standard Taxi Route				
RWY 01	APRON 1	Taxi via standard taxi route	Arrival 01A	To	Stands: 1-6	TWY B	NIL
			Arrival 01B		Stands: 7	TWY B - TWY C	
			Arrival 01C		Stands: 8-10	TWY B - TWY C - TWY D1	
			Arrival 01D		Stands: 1-5	TWY A - TWY B	
			Arrival 01E		Stand: 6	TWY A	
			Arrival 01F		Stand: 7	TWY A - TWY C	
			Arrival 01G		Stands: 8-10	TWY A - TWY C - TWY D1	
	APRON 2		Arrival 01H		Stands: 1	BACKTRACK RWY 01 - TWY E	
			Arrival 01I		Stands: 2-4	BACKTRACK RWY 01 TWY E - TWY F	
			Arrival 01J		Stands: 1	TWY E	
			Arrival 01K		Stands: 2-4	TWY E - TWY F	
RWY 19	APRON 1	Taxi via standard taxi route	Arrival 19A	To	Stands: 1-5	BACKTRACK RWY 19 - TWY A - TWY B	
			Arrival 19B		Stands: 6	BACKTRACK RWY 19 - TWY A	
			Arrival 19C		Stands: 7	BACKTRACK RWY 19 - TWY A - TWY C	
			Arrival 19D		Stands: 8-10	BACKTRACK RWY 19 - TWY A - TWY C - TWY D1	
	APRON 2		Arrival 19E		Stands: 1	BACKTRACK RWY 19 - TWY E	
			Arrival 19F		Stands: 2-4	BACKTRACK RWY 19 - TWY E - TWY F	
			Arrival 19G		Stands: 1	TWY E	
			Arrival 19H		Stands: 2-4	TWY E - TWY F	

2.2. Departure information

Departure from	Instruction given by ATC			Taxiway to be followed	Remarks
		Name of the Standard Taxi Route			
APRON 1	Taxi via standard taxi route	Departure 19A	From Stands: 1-5	TWY B - TWY A - BACKTRACK RWY 19	NIL
		Departure 19B	Stands: 1-5	TWY B	
		Departure 19C	Stands: 6	TWY B	
		Departure 19D	Stands: 6	TWY A - BACKTRACK RWY 19	
		Departure 19E	Stands: 7	TWY A - BACKTRACK RWY 19	
		Departure 19F	Stands: 7	TWY B	
		Departure 19G	Stands: 8-10	TWY D2 - TWY C - TWY A - BACKTRACK RWY 19	
		Departure 19H	Stands: 8-10	TWY D2 - TWY C - TWY B	
		Departure 01A	Stands: 1-5	TWY B - TWY A - BACKTRACK RWY 01	
		Departure 01B	Stands: 6	TWY A - BACKTRACK RWY 01	
		Departure 01C	Stands: 7	TWY A - BACKTRACK RWY 01	
		Departure 01D	Stands: 1-5	TWY B - TWY A - BACKTRACK RWY 01	
		Departure 01E	Stands: 8-10	TWY D2 - TWY C - TWY A - BACKTRACK RWY 01	
APRON 2	Taxi via standard taxi route	Departure 19I	From Stands: 1	TWY E - BACKTRACK RWY 19	
		Departure 19J	Stands: 2-4	TWY F - TWY E - BACKTRACK RWY 19	
		Departure 01F	Stands: 1	TWY E - BACKTRACK RWY 01	
		Departure 01G	Stands: 2-4	TWY F - TWY E - BACKTRACK RWY 01	

LROD AD 2.21 NOISE ABATEMENT PROCEDURES

See AD 1.1-3

LROD AD 2.22 FLIGHT PROCEDURES

1. LOW VISIBILITY PROCEDURES / PROCEDURI ÎN CONDIŢII DE VIZIBILITATE REDUSĂ

1. Description of facilities
1.1 Runway 19 is equipped with ILS and is authorised for CAT II operations (RVR not less than 300m).
1.2 Runway 19 approved for LVTO (RVR not less than 125m).

2. Criteria for the initiation and termination of LVP
2.1 The preparation phase will be triggered when the RVR is 800m (horizontal visibility 1500m) or the cloud ceiling/vertical visibility is 500ft and the initiation of CAT II operations is foreseen;
2.2 The initiation phase will be triggered when the value of RVR falls below 550m (horizontal visibility falls below 800m) or cloud ceiling/vertical visibility is 200ft or less;

2.3 LVP will be terminated when the value of RVR is greater than 800m (horizontal visibility is 1500m or higher) and cloud ceiling/vertical visibility is greater than 500ft and a continuing improvement of these conditions is anticipated

2.4 Take-off
LVTO will be triggered when the RVR is less than 550 m.

3. Details of runway exits
3.1 Runway connections with taxiways are equipped with green/yellow coded centerline lights.
3.2 Pilots will report "Runway Clear" only after the aircraft has passed the green/yellow light-coded segment of the centerline of taxiways A, B and E.

1. Descrierea facilităţilor
1.1 Pista 19 este echipată cu ILS şi este autorizată pentru desfăşurarea operaţiunilor CAT II (RVR nu mai mic de 300m).
1.2 Pista 19 autorizată pentru LVTO (RVR nu mai mic de 125m).

2. Criterii pentru iniţierea şi terminarea LVP
2.1 Faza de pregătire va fi declansata atunci când RVR are valoarea de 800m (vizibilitate orizontală 1500m) sau plafonul norilor/vizibilitate verticala este de 500ft şi sunt prevăzute declanşarea operaţiunilor CAT II;
2.2 Faza de iniţiere va fi declanşată atunci când valoarea RVR scade sub 550m (vizibilitatea orizontală scade sub 800m) sau plafonul norilor/vizibilitate verticala are valoare de 200ft sau mai puţin;
2.3 LVP vor fi încheiate atunci când valoarea RVR este mai mare de 800m (vizibilitate orizontală este 1500m sau mai mult) şi plafonul norilor/vizibilitate verticala este mai mare de 500ft şi este anticipată îmbunătăţirea continuă a acestor condiţii.
2.4 Decolarea
LVTO va fi declanşată atunci când RVR este mai mică de 550 m.

3. Detalii privind eliberarea pistei
3.1 Racordurile pistei cu căile de rulare sunt echipate cu lumini axiale codificate verde/galben.
3.2 Piloţii vor raporta "Pista liberă" numai după ce aeronava a depaşit segmentul codat cu lumini verde/galben al axului căilor de rulare A,B şi E.

4. Ground movements restrictions

4.1 All aircraft movements on taxiways to/from RWY 19 shall be carried out on Standard LVP Taxi-Routes;
4.2 Upon receiving taxi clearance, aircraft shall proceed only when green centre line path is illuminated;
4.3 While LVP is in operation the access of vehicles on maneuvering area is limited.
4.4 It is strictly prohibited to cross a Stop Bar alignment which has the red lights turned on.
4.5 In the initiation phase, only aircraft and essential vehicles may be authorized on the maneuvering surface; if vehicles other than essential ones are present on the maneuvering surface, the LVP interruption phase applies.
4.6 Vehicles are not allowed to park on the maneuvering surface. If an intervention is required, the vehicle will park off the runway or taxiway, and when this is not possible, the LVP interruption phase applies.

4.7 During the preparation, initiation, and termination phases of LVP, only essential vehicles or vehicles accompanied by essential vehicles may be authorized on the maneuvering area.
4.8 Essential vehicles are: vehicles used for movement area control and emergency response vehicles.

4.9 During the initiation phase all critical and sensitive ILS surfaces are protected

5. Description of low visibility procedures

5.1 Approach and Landing in CAT II conditions
a) Pilots will be informed by RTF when LVP are in operation;

b) CTA will apply an appropriate aircraft separation so that the aircraft in the approach procedure is not at a distance of less than 4NM from the TDZ (RWY 19) at the moment when the aircraft that preceded it in the traffic sequence has landed and exited the ILS Localiser RWY19 sensitive area.

c) in the case of two aircraft, one of which is taking off and the other is landing, they will be authorized as follows: the aircraft taking off confirms that it is in the air (at which point it also flies over the ILS direction antenna), and the aircraft about to land must be at least 4NM from the touchdown zone (TDZ) 19 and after landing, the TWR CTA will request the pilot to confirm that the aircraft has landed on the runway in safe conditions.
d) CTA TWR Oradea will not authorize the movement of a vehicle and the taxiing of an aircraft on the maneuvering surface simultaneously. CTA TWR Oradea will authorize the movement of aircraft so that, at any time, there is no more than one moving aircraft on the maneuvering surface. The ground marshaller authorizes vehicles for access to apron no. 1 or 2. They are allowed to travel on the properly marked traffic route only when there are no aircraft operating on the apron.
5.2. Low Visibility Take Off
5.2.1. The movement of aircraft on the surface of the airport aprons is assisted or guided by marshaller;
5.2.2. The number of vehicles allowed access to the apron surface is reduced to the strict minimum necessary for aircraft servicing.
5.2.3. All ATC and Marshaller instructions shall be confirmed through READ BACK method (repetition of content).

4. Restricţii privind mişcarea la sol

4.1 Toate mişcările pe căile de rulare spre/dinspre RWY 19 se fac numai pe Rutele LVP Standard de Rulare;
4.2 La obţinerea autorizării de rulare, aeronava începe rularea doar atunci când luminile axiale verzi sunt aprinse;
4.3 Când LVP este în derulare accesul vehiculelor pe suprafaţa de manevră este limitată
4.4 Este strict interzisă traversarea unui aliniament STOP BAR care are luminile roşii aprinse;
4.5 În faza de initiere, pe suprafaţa de manevră pot fi autorizate doar aeronave și vehiculele esențiale, în cazul în care pe suprafața de manevră sunt prezente alte vehicule decât cele esențiale, se aplică faza de întrerupere LVP.
4.6 Nu este permisă staționarea vehiculelor pe suprafața de manevră. În cazul în care este necesară o intervenție, vehiculul va staționa în afara pistei sau căii de rulare, iar atunci când nu este posibil, se aplică faza de întrerupere LVP.
4.7 În fazele de pregătire, inițiere și încheiere LVP, pe suprafaţa de manevră pot fi autorizate doar vehicule esenţiale sau vehicule însoţite de vehicule esenţiale.

4.8 Vehiculele esențiale sunt: vehiculele folosite pentru controlul suprafeței de mișcare și cele de intervenție în situații de urgență.
4.9 În timpul fazei de initiere toate suprafețele critice și sensibile ILS sunt protejate

5. Descrierea procedurilor în condiţii de vizibilitate scăzută

5.1 Apropiere şi aterizare CAT II
a) Piloţii vor fi informaţi RTF atunci când procedurile LVP sunt în derulare;
b) CTA vor aplica o eşalonare adecvată aeronavelor astfel încât aeronava aflată în procedură de apropiere să nu fie la o distanţă mai mică de 4NM faţă de TDZ (RWY 19) în momentul în care, aeronava care a precedat-o în secvenţa de trafic, a aterizat, şi a ieşit din zona sensibilă ILS Localiser RWY19.
c) în cazul a două aeronave, dintre care una decolează şi alta aterizează, ele vor fi autorizate astfel: aeronava care decolează confirmă că se află în aer (moment în care survolează și antena de direcţie ILS), iar aeronava care urmează să aterizeze să fie la cel puţin 4NM faţă de zona de contact (TDZ) 19 și după aterizare, CTA TWR va solicita pilotului sa confirme faptul că aeronava a aterizat pe pistă în siguranță.
d) CTA TWR Oradea nu va autoriza simultan deplasarea unui vehicul şi rularea unei aeronave pe suprafaţa de manevră. CTA TWR Oradea va autoriza deplasarea aeronavelor, astfel încât, în orice moment, pe suprafața de manevră să nu se afle mai mult de o aeronavă în mișcare. Inspectorul dirijare sol autorizează autovehiculele pentru acces pe platforma nr. 1 sau 2. Acestora le este permisă circulaţia pe drumul de circulație marcat corespunzător doar în condițiile în care pe platformă nu rulează aeronave.
5.2. Decolarea în condiţii de vizibilitate redusă
5.2.1. Mişcarea aeronavelor pe suprafaţa platformelor aeroportului este asistată sau dirijată de către Dispecerii Sol;
5.2.2. Numărul vehiculelor carora li se permite accesul pe suprafaţa platformelor se reduce strict la minimum necesar pentru deservirea aeronavelor;
5.2.3. Instrucţiunile emise de ATC şi Dispecer Sol vor fi confirmate prin READ BACK (repetarea conţinutului).

6. Ground marking/lighting for use under low visibility procedures

6.1. Markings:

6.1.1.Runway:

a. Centre line marking (landing / take-off – RWY 19);

b. Edge marking (landing/take - off RWY 19);

c.Threshold marking (landing/take-off RWY 19);

d.Touchdown zone (TDZ) marking (landing RWY 19);

e.Aiming point marking (landing RWY 19);

f. Runway end marking (landing/take-off RWY 19);

g. Edge marking of turn pad (landing/take-off RWY 19);

h. Centre line marking of turn pad (landing/take-off RWY 19);

6.1.2. Taxiways:

a. Centre line marking (TWY: A, B, C, D1, D2, E, F);

b. Edge marking (TWY: A, B, E);

c. Runway holding position marking (TWY: A, B, E);

d. Intermediate holding position marking (TWY: C, B);

e.Mandatory markings (TWY E);

f. Information markings (TWY: D1, D2, F).

6.1.3. Apron:

a. Guidance markings to aircraft stand positions (Apron 1, Apron 2);

b. Edge markings (Apron 1, Apron 2);

c. Stand identification/information markings (Apron 1, Apron 2);

6.2. Lighting:

6.2.1. Runway:

a. Approach lighting system (900 m) (landing RWY 19);

b. Runway threshold lights (landing RWY 19);

c. Runway centre line lights (landing/take-off – RWY 19)

d. Touchdown zone (TDZ) lights (landing RWY 19);

e. Runway edge lights (landing/take-off – RWY 19);

f. Runway end lights (landing/take-off – RWY 19);

g. Turn pad centre line lights (landing/take-off– RWY 19);

h. Turn pad edge lights (landing/take-off – RWY 19);

6.2.2. Taxiways:

a. Taxiway centre line lights (TWY: A, B, C, D1, D2, E, F);

b. Taxiway edge lights (TWY: A, B, E);

c. Stop bars (TWY: A, B, E);

d. Intermediate holding position lights (TWY: C, B);

6.2.3. Aprons:

a. Stand centre line lights (Apron 1 – stand 10, and Apron 2 – stands 1 to 4);

b. Edge lights (Apron 1, Apron 2).

6. Marcaje și sisteme de iluminat la sol utilizate în cadrul procedurilor de vizibilitate redusă:

6.1. Marcaje:

6.1.1. Pistă:

a. Marcaj axial (aterizare/decolare - RWY19);

b. Marcaj marginal (aterizare/decolare RWY19);

c. Marcaj de prag (aterizare/decolare RWY19);

d. Marcaj TDZ (aterizare RWY19);

e.Marcaj punct țintă (aterizare RWY19);

f. Marcaj sfârșit de pistă (aterizare/decolare RWY19);

g. Marcaj marginal platformă de întoarcere (aterizare/ decolare RWY19);

h. Marcaj axial platformă de întoarcere (aterizare/decolare RWY19);

6.1.2. Căi de rulare;

a. Marcaj axial (TWY: A,B,C,D1,D2,E,F);

b. Marcaj marginal (TWY: A,B,E);

c. Marcaj poziție de așteptare la pistă (TWY: A,B,E);

d. Marcaj de poziție intermediară de așteptare(TWY: C,B);

e. Marcaje Obligatorii (TWY E);

f. Marcaje de informare (TWY: D1,D2,F).

6.1.3. Platformă:

a. Marcaje de ghidaj la pozițiile de parcare (Apron 1, Apron 2);

b. Marcaj marginal (Apron 1, Apron 2);

c. Marcaj de informare pentru pozițiile de parcare (Apron 1, Apron 2);

6.2. Lumini:

6.2.1. Pistă:

a. Lumini de apropiere (900 m) (aterizare RWY 19);

b. Lumini de prag pistă (aterizare RWY 19);

c. Lumini axiale (aterizare/decolare - RWY19);

d. Lumini TDZ (aterizare RWY 19);

e. Lumini marginale (aterizare/decolare - RWY19);

f. Lumini sfârșit pistă (aterizare/decolare - RWY19);

g. Lumini axiale platformă de întoarcere (aterizare/decolare - RWY19);

h. Lumini marginale platformă de întoarcere (aterizare/ decolare - RWY19);

6.2.2. Căi de rulare:

a. Lumini axiale (TWY: A,B,C,D1,D2,E,F);

b. Lumini marginale(TWY: A,B,E);

c. Stop-bar (TWY: A,B,E);

d. Lumini de poziție de așteptate intermediară (TWY: C,B).

6.2.3. Platforme:

a. Lumini axiale de poziție de parcare (Apron 1 – poziția 10 și Apron 2 – pozițiile 1-4);

b. Lumini marginale (Apron 1, Apron 2.

2. AUTOLAND operation / Operaţiuni AUTOLAND

1. Before AUTOLAND operation, crew must advise Oradea TWR about this intention and Oradea TWR must inform Ground Operations Compartment in order to take the appropriate safety measures.

1. Echipajele aeronavelor care își propun să efectueze operațiuni de aterizare AUTOLAND anunță TWR Oradea asupra acestor intenții iar TWR Oradea anunță Compartimentul Operațiuni Sol al Aeroportului în vederea luării măsurilor specifice de siguranță;

LROD AD 2.23 ADDITIONAL INFORMATION

- NIL -

LROD AD 2.24 CHARTS RELATED TO THE AERODROME

LROD AD 2.25 VISUAL SEGMENT SURFACE (VSS) PENETRATION

Not applicable.

AERODROME CHART - ICAO

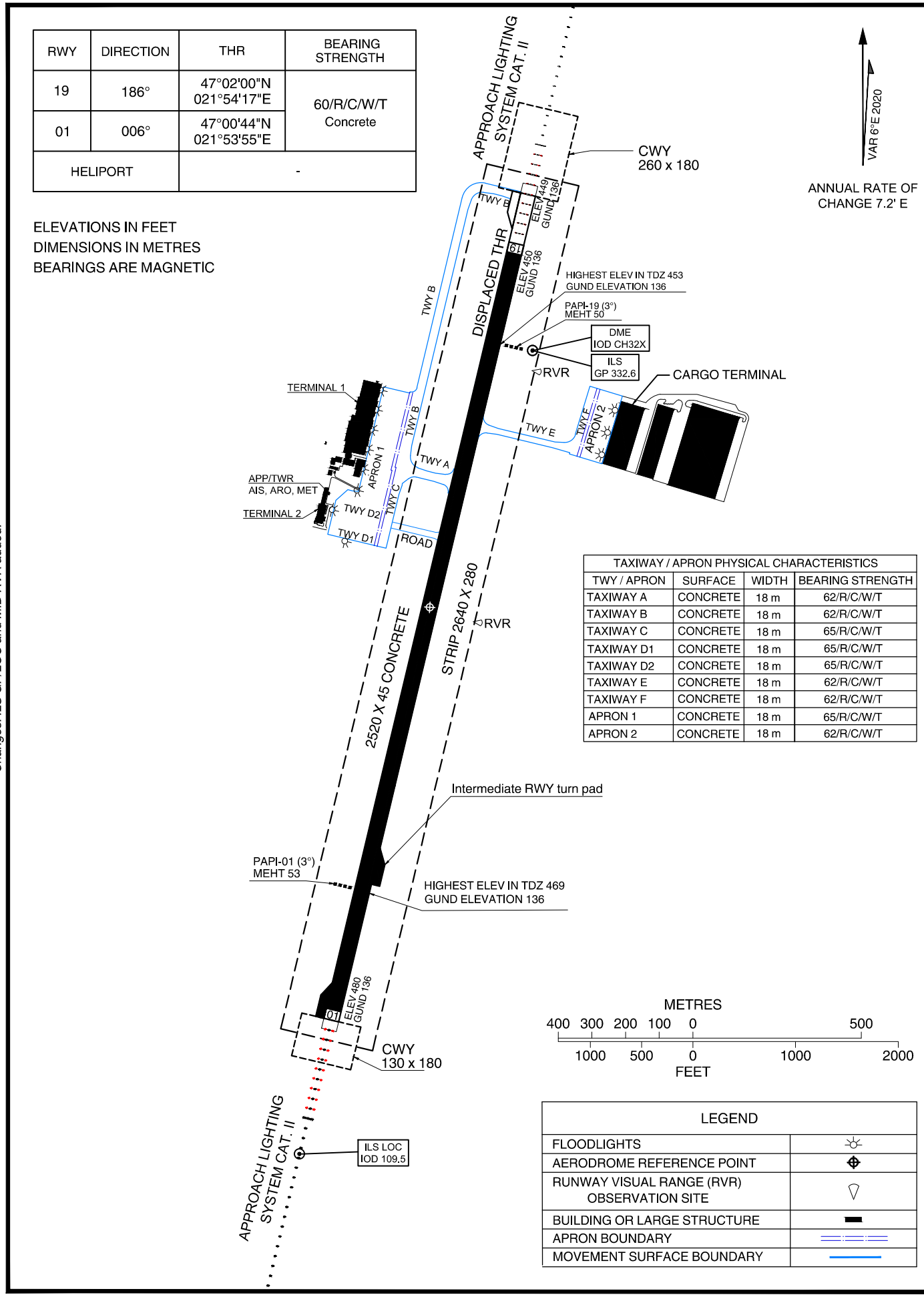
47° 01' 24" N
021° 54' 07" E
ELEV 480FT

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	60/R/C/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	62/R/C/W/T
TAXIWAY F	CONCRETE	18 m	62/R/C/W/T
APRON 1	CONCRETE	18 m	65/R/C/W/T
APRON 2	CONCRETE	18 m	62/R/C/W/T

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

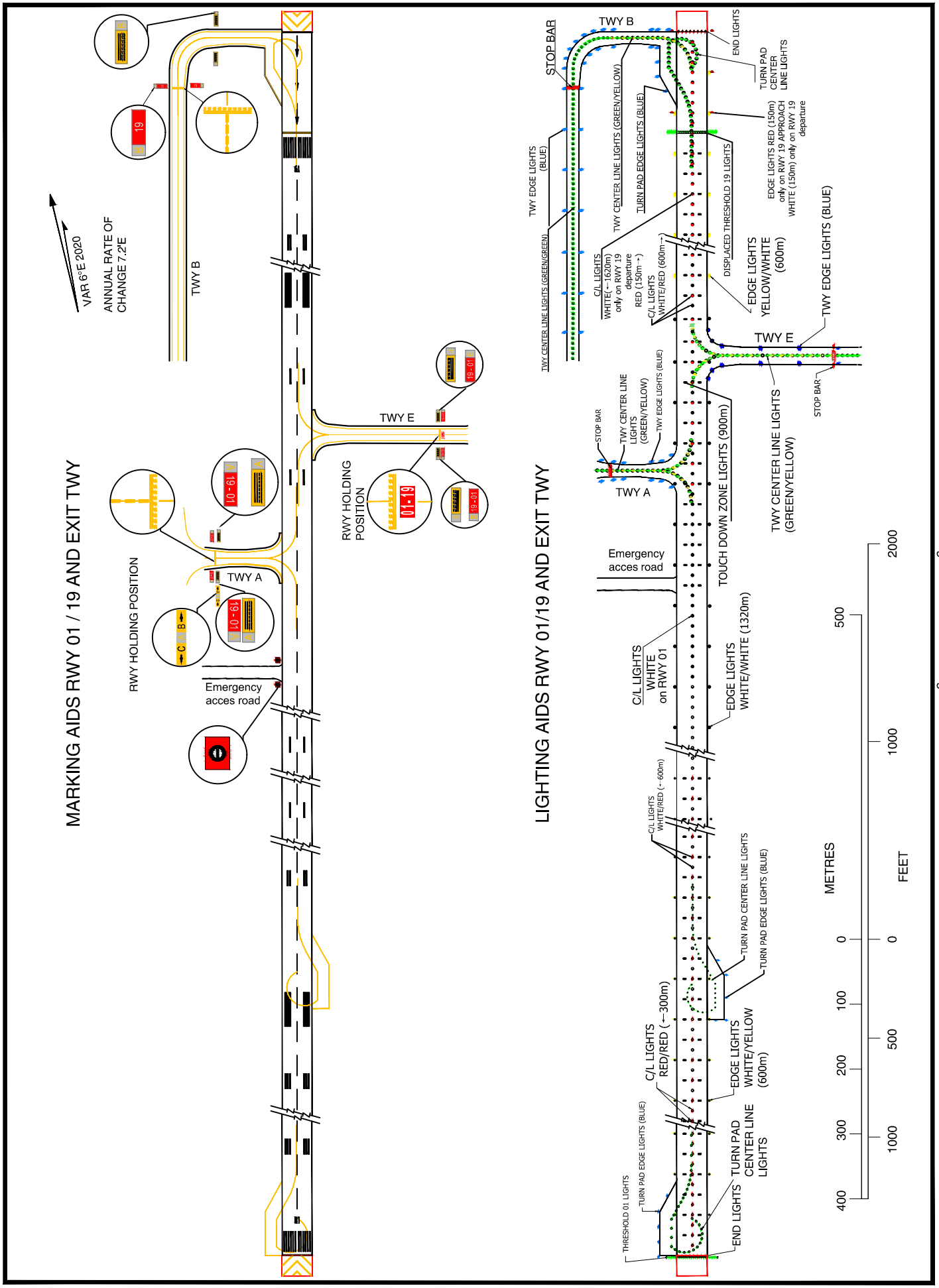
Changes: ILS GP/LOC and MID RVR added.

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)



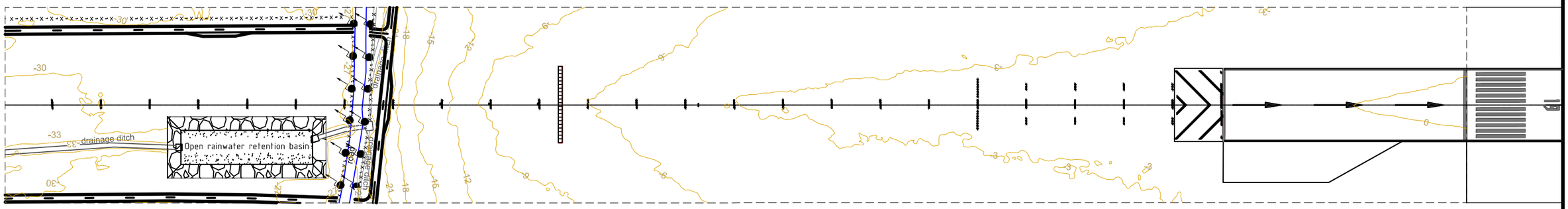
Changes: TWY E centreline lights corrected.

PRECISION APPROACH TERRAIN CHART - ICAO

ORADEA / Oradea (LROD)
RWY19

DISTANCES IN METRES AND HEIGHTS IN FEET

Changes: New chart.



LEGEND	
CONTOUR	
CENTRELINE PROFILE	
MOBILE OBSTACLES	
DEVIATION OF +/- 10 ft IN HEIGHT FROM CENTRELINE PROFILE	
APPROACH LIGHTS	
ROAD LIGHTS	
FENCE	X - X -
ROAD	

HORIZONTAL SCALE 1: 2 500
VERTICAL SCALE 1:500

CONTOURS AND HEIGHTS ARE RELATED TO ELEVATION OF RWY THR 19

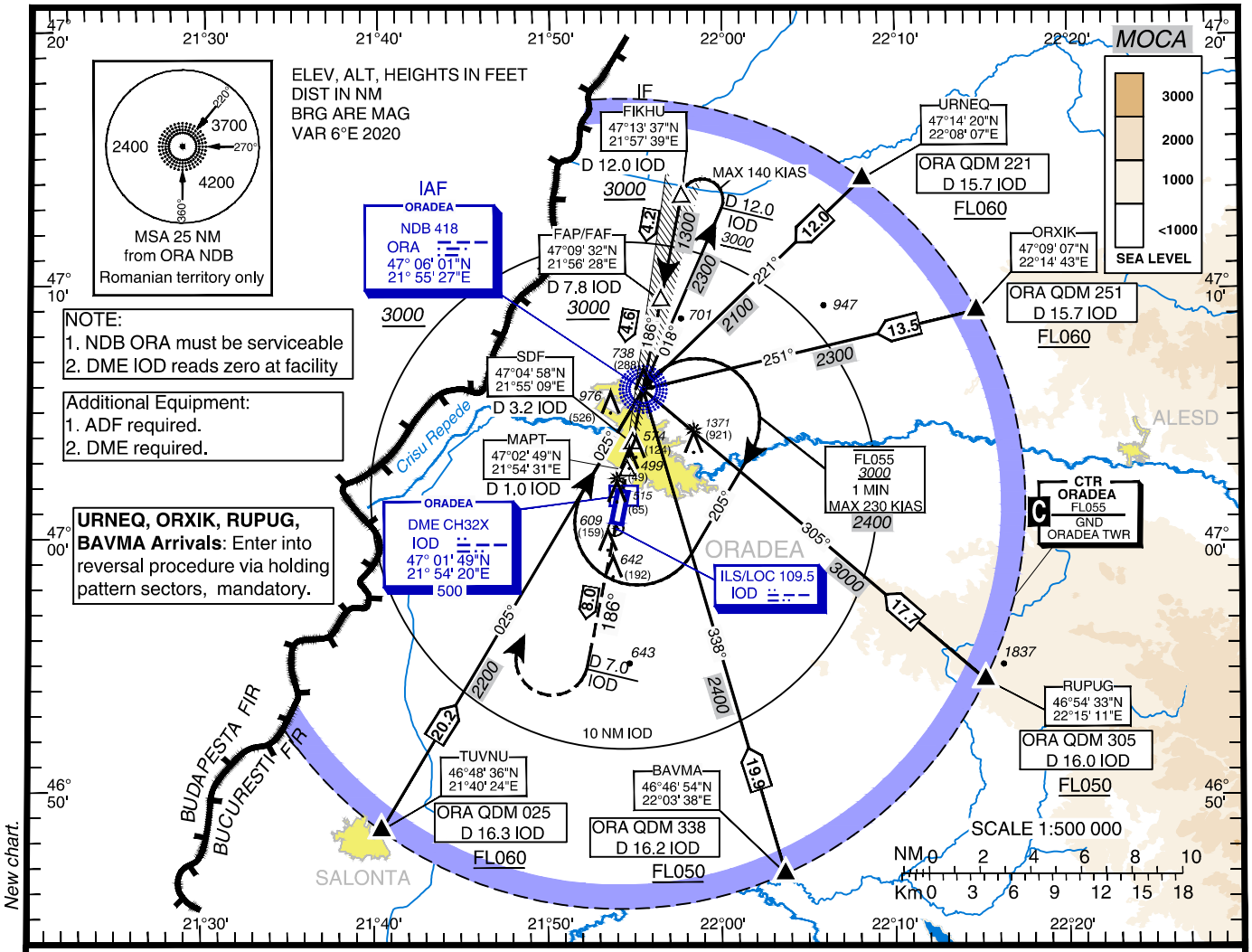
AMENDMENT RECORD		
No.	DATE	ENTERED BY

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV. **480 ft**
HEIGHTS RELATED TO
THR RWY 19 - ELEV 450 ft

ORADEA TOWER 118.455
ORADEA TOWER ALTN 120.200

ORADEA / Oradea (LROD)
ILS Y
RWY 19
CAT A / B



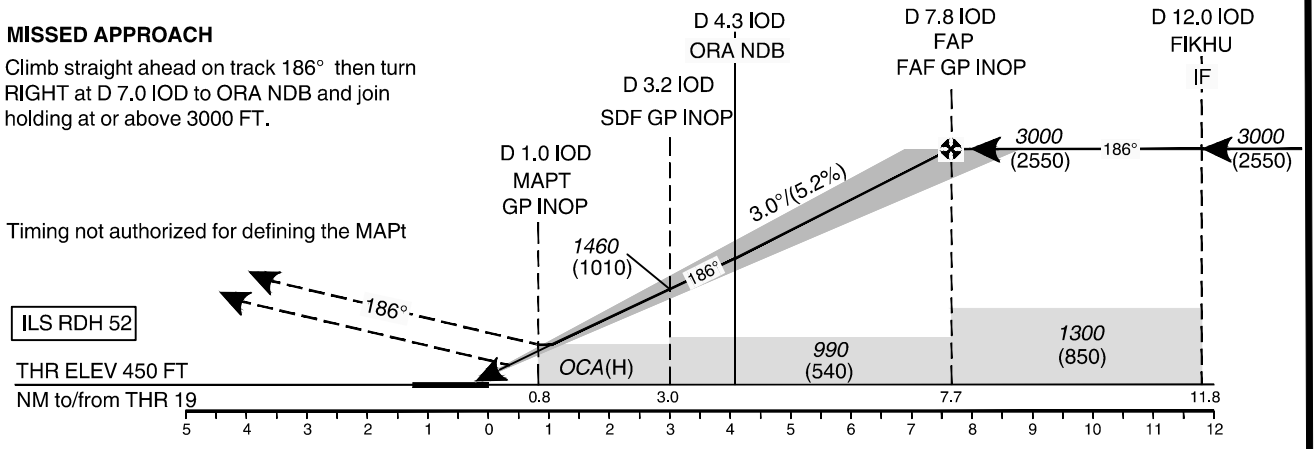
New chart.

Transition Altitude
4000

MISSED APPROACH

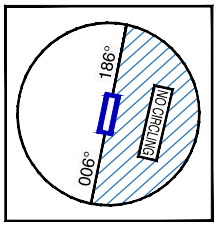
Climb straight ahead on track 186° then turn RIGHT at D 7.0 IOD to ORA NDB and join holding at or above 3000 FT.

Timing not authorized for defining the MAPt



OCA (H)		A	B
Straight-in Approach	CAT I	630 (180)	640 (190)
	CAT II	496 (46)	512 (62)
	GP INOP with SDF	820 (370)	
	GP INOP w/o SDF	990 (540)	
Circling*		1130	1230

* Circling WEST of RWY only



GS	KT	70	90	100	120	140	160
FAF-MAPT 6.9 NM	MIN:SEC	5:55	4:36	4:09	3:27	2:58	2:36
Rate of descent (5.2%)	FT/MIN	372	478	531	637	743	849

Dist to IOD DME	NM	1	2	3	4	5	6	7
Altitudes (Heights)	FT	*770* (320)	*1090* (640)	*1410* (960)	*1720* (1270)	*2040* (1590)	*2360* (1910)	*2680* (2230)

ORADEA / Oradea (LROD)
ILS Y RWY 19

AERONAUTICAL DATA TABULATION

ILS Y Approach to RWY 19 from URNEQ, ORXIK, RUPUG, BAVMA, TUVNU	
Waypoint Identifier	**Coordinates**
URNEQ – BRG 220.49 ORA / D 15.66 IOD	47°14'19.9" N 022°08'07.0" E
ORXIK – BRG 251.12 ORA / D 15.72 IOD	47°09'06.7" N 022°14'43.3" E
RUPUG – BRG 304.70 ORA / D 16.02 IOD	46°54'33.0" N 022°15'11.0" E
BAVMA – BRG 338.07 ORA / D 16.23 IOD	46°46'54.0" N 022°03'38.0" E
TUVNU – BRG 025.15 ORA / D 16.31 IOD	46°48'36.0" N 021°40'24.0" E
ORA NDB (IAF)	47°06'01.3" N 021°55'26.9" E
FIKHU (IF) **–** BRG 185.63 ORA / D 12.01 IOD	47°13'36.8" N 021°57'38.9" E
FAP/FAF (GP INOP) **–** BRG 185.61 ORA / D 7.84 IOD	47°09'31.7" N 021°56'27.7" E
SDF (GP INOP) **–** BRG 005.71 ORA / D 3.20 IOD	47°04'58.4" N 021°55'08.6" E
MAPt (GP INOP) **–** BRG 005.66 ORA / D 1.00 IOD	47°02'48.8" N 021°54'31.1" E
THR RWY 19	47°01'59.71" N 021°54'16.92" E
IOD DME	47°01'49.3" N 021°54'19.9" E
GP 19	47°01'49.5" N 021°54'19.8" E
IOD LOC	47°00’31.5" N 021°53’51.5" E

Final approach descent angle: 3.00°

RADIO COMMUNICATION FAILURE

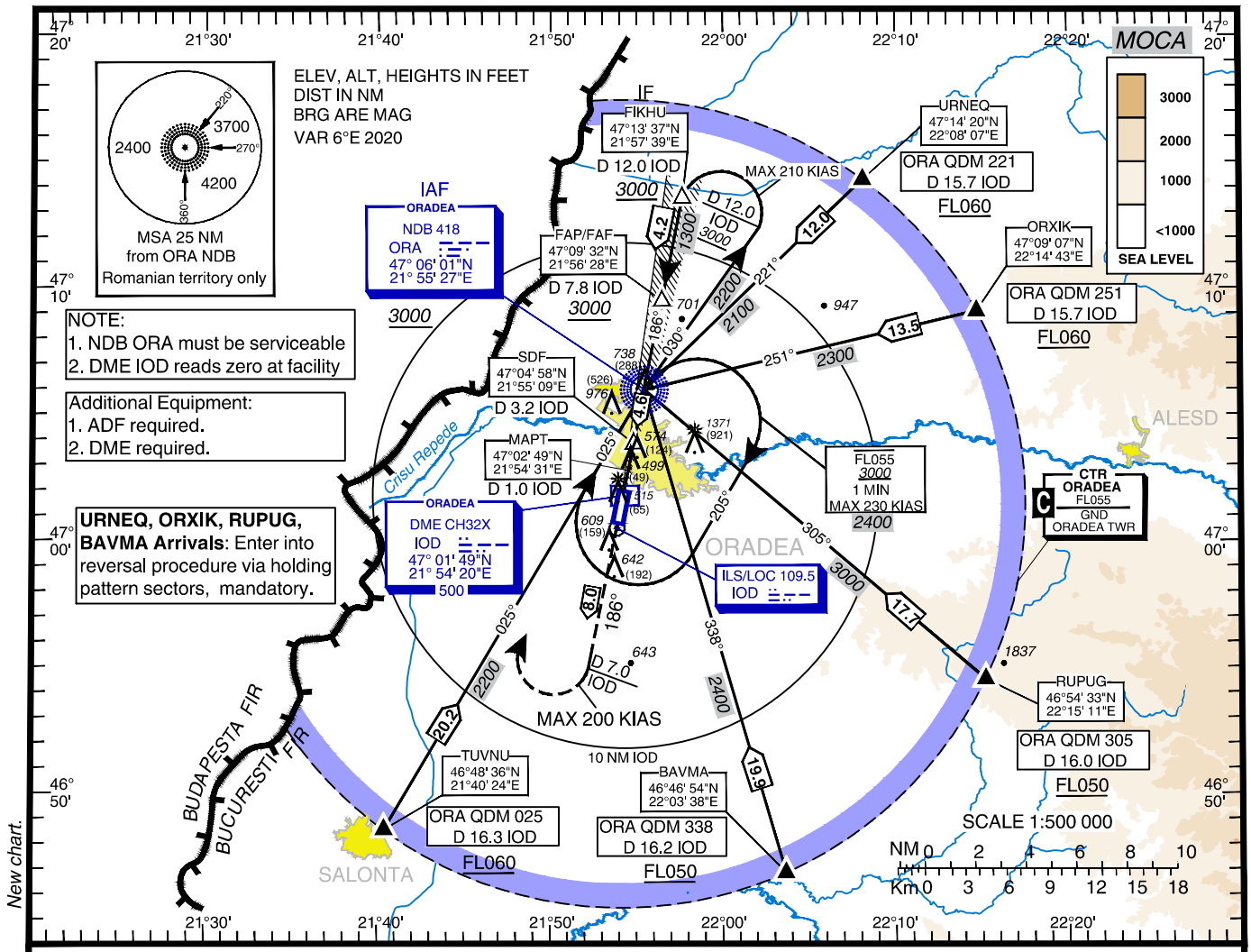
a) If ILS Y RWY19 instrument approach procedure was assigned or received by ATC, set transponder 7600, proceed according assigned or designated ILS Y RWY 19 instrument approach procedure. Descending shall be executed in accordance with vertical restrictions specified on chart.
b) If ILS Y RWY19 instrument approach procedure was not assigned or received by ATC, for arrivals via URNEQ/ ORXIK/ RUPUG/ BAVMA/ TUVNU: set transponder 7600, proceed according to FPL to CTR entry point (URNEQ/ ORXIK/ RUPUG/ BAVMA/ TUVNU), then ORA NDB and hold at least 6 minutes, then continue the ILS Y RWY 19 approach. Descending shall be executed in accordance with vertical restrictions specified on chart.

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV. **480 ft**
HEIGHTS RELATED TO
THR RWY 19 - ELEV 450 ft

ORADEA TOWER	118.455
ORADEA TOWER ALTN	120.200

ORADEA / Oradea (LROD)
ILS Z
RWY 19
CAT C / D



New chart.

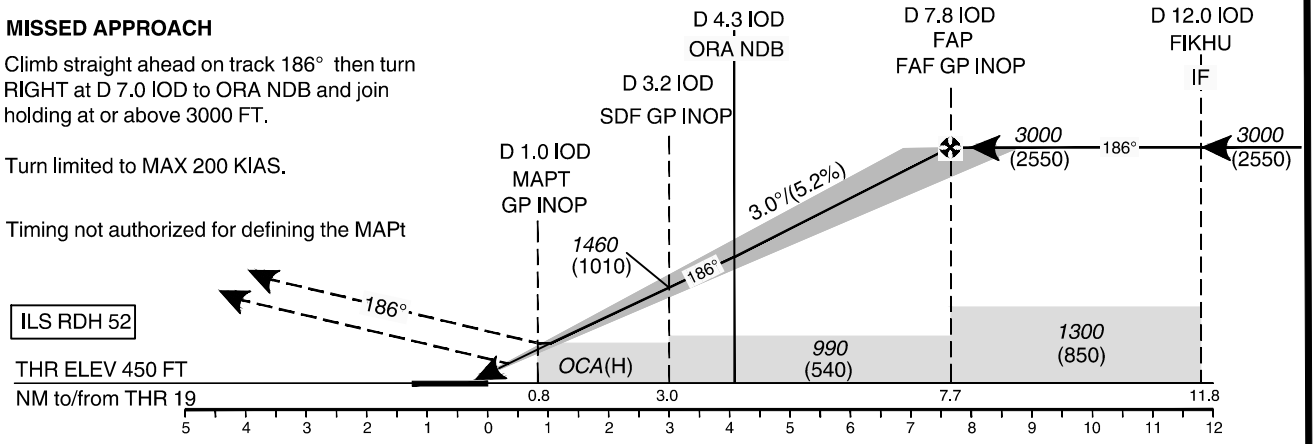
Transition Altitude
4000

MISSED APPROACH

Climb straight ahead on track 186° then turn RIGHT at D 7.0 IOD to ORA NDB and join holding at or above 3000 FT.

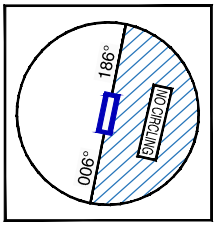
Turn limited to MAX 200 KIAS.

Timing not authorized for defining the MAPt



OCA (H)		C	D
Straight-in Approach	CAT I	650 (200)	660 (210)
	CAT II	525 (75)	539 (89)
	GP INOP with SDF	820 (370)	
	GP INOP w/o SDF	990 (540)	
Circling*		1770	

* Circling WEST of RWY only



GS	KT	70	90	100	120	140	160
FAF-MAPT 6.9 NM	MIN:SEC	5:55	4:36	4:09	3:27	2:58	2:36
Rate of descent (5.2%)	FT/MIN	372	478	531	637	743	849

Dist to IOD DME	NM	1	2	3	4	5	6	7
Altitudes (Heights)	FT	*770* (320)	*1090* (640)	*1410* (960)	*1720* (1270)	*2040* (1590)	*2360* (1910)	*2680* (2230)

ORADEA / Oradea (LROD)
ILS Z RWY 19

AERONAUTICAL DATA TABULATION

ILS Z Approach to RWY 19 from URNEQ, ORXIK, RUPUG, BAVMA, TUVNU	
Waypoint Identifier	**Coordinates**
URNEQ – BRG 220.49 ORA / D 15.66 IOD	47°14'19.9" N 022°08'07.0" E
ORXIK – BRG 251.12 ORA / D 15.72 IOD	47°09'06.7" N 022°14'43.3" E
RUPUG – BRG 304.70 ORA / D 16.02 IOD	46°54'33.0" N 022°15'11.0" E
BAVMA – BRG 338.07 ORA / D 16.23 IOD	46°46'54.0" N 022°03'38.0" E
TUVNU – BRG 025.15 ORA / D 16.31 IOD	46°48'36.0" N 021°40'24.0" E
ORA NDB (IAF)	47°06'01.3" N 021°55'26.9" E
FIKHU (IF) **–** BRG 185.63 ORA / D 12.01 IOD	47°13'36.8" N 021°57'38.9" E
FAP/FAF (GP INOP) **–** BRG 185.61 ORA / D 7.84 IOD	47°09'31.7" N 021°56'27.7" E
SDF (GP INOP) **–** BRG 005.71 ORA / D 3.20 IOD	47°04'58.4" N 021°55'08.6" E
MAPt (GP INOP) **–** BRG 005.66 ORA / D 1.00 IOD	47°02'48.8" N 021°54'31.1" E
THR RWY 19	47°01'59.71" N 021°54'16.92" E
IOD DME	47°01'49.3" N 021°54'19.9" E
GP 19	47°01'49.5" N 021°54'19.8" E
IOD LOC	47°00’31.5" N 021°53’51.5" E

Final approach descent angle: 3.00°

RADIO COMMUNICATION FAILURE

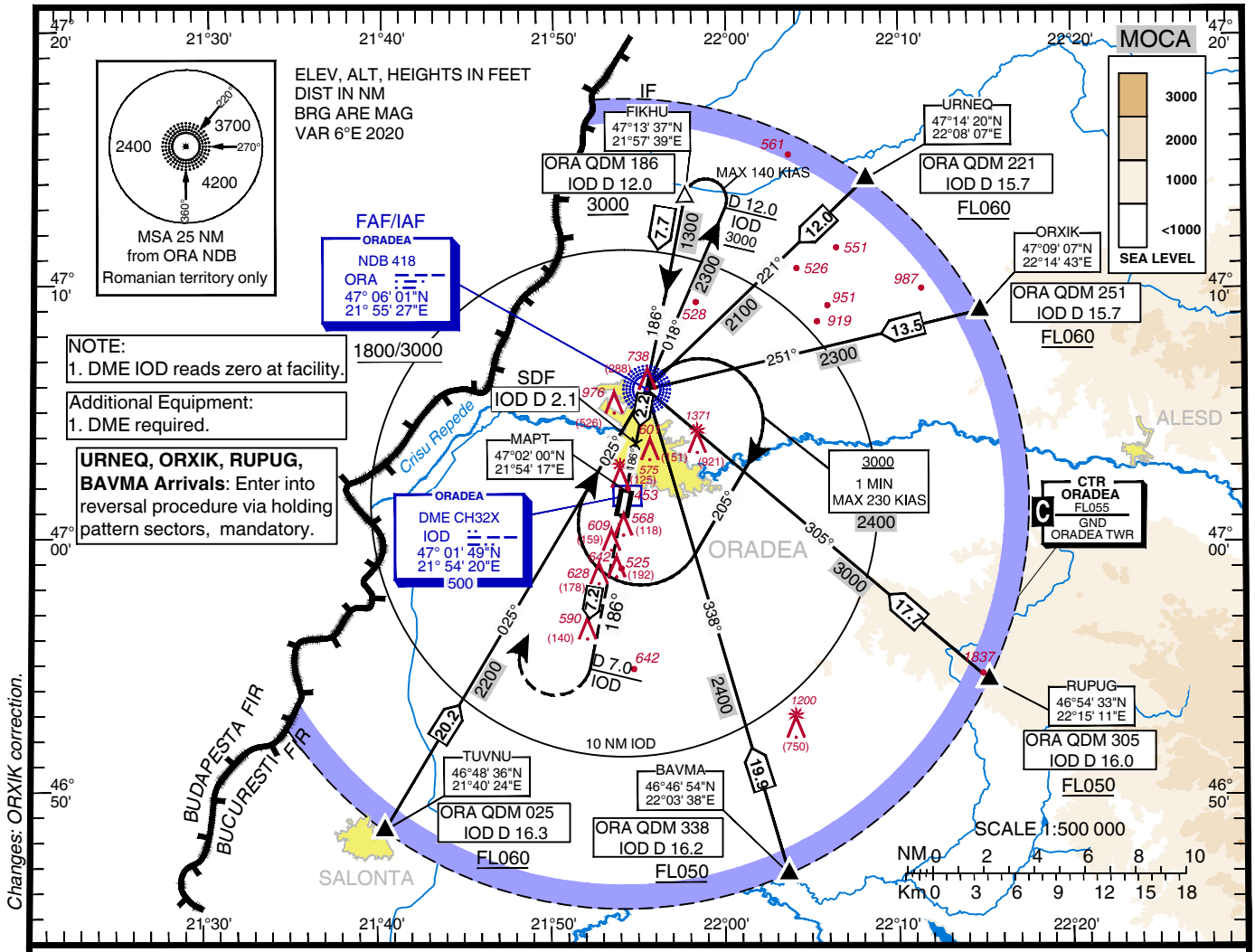
a) If ILS Z RWY19 instrument approach procedure was assigned or received by ATC, set transponder 7600, proceed according assigned or designated ILS Z RWY 19 instrument approach procedure. Descending shall be executed in accordance with vertical restrictions specified on chart.
b) If ILS Z RWY19 instrument approach procedure was not assigned or received by ATC, for arrivals via URNEQ/ ORXIK/ RUPUG/ BAVMA/ TUVNU: set transponder 7600, proceed according to FPL to CTR entry point (URNEQ/ ORXIK/ RUPUG/ BAVMA/ TUVNU), then ORA NDB and hold at least 6 minutes, then continue the ILS Z RWY 19 approach. Descending shall be executed in accordance with vertical restrictions specified on chart.

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV. **480 ft**
HEIGHTS RELATED TO
THR RWY 19 - ELEV 450

ORADEA TOWER	118.455
ORADEA TOWER ALTN	120.200

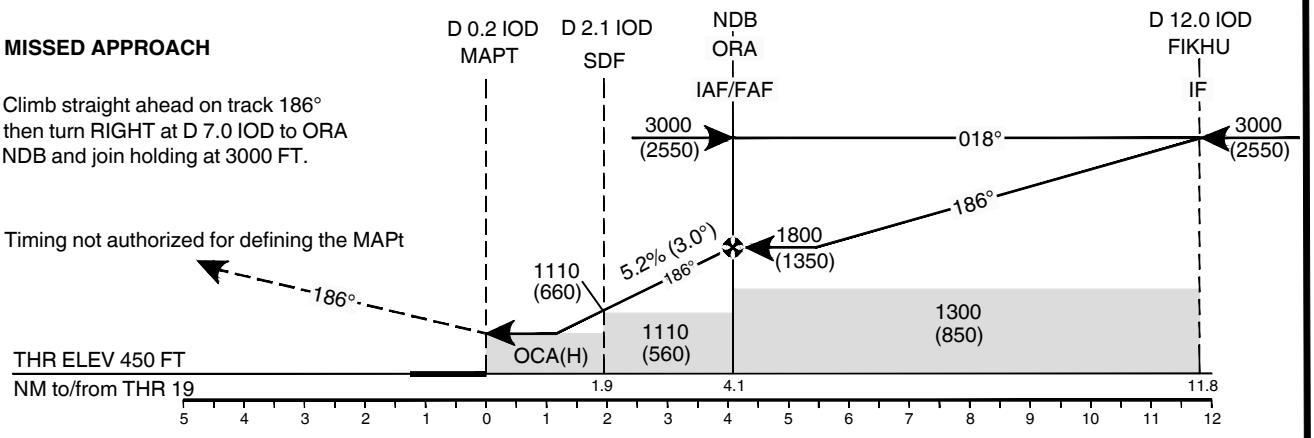
ORADEA / Oradea (LROD)
NDB Y
RWY 19
CAT A / B



Transition Altitude
4000

MISSED APPROACH

Climb straight ahead on track 186° then turn RIGHT at D 7.0 IOD to ORA NDB and join holding at 3000 FT.



OCA/H		A	B
Straight-in approach	Stepdown fix (D 2.1 IOD)	850 (400)	
	w/o Stepdown fix	1110 (660)	
Circling *		1130	1230

* Circling WEST of RWY only

GS	KT	70	90	100	120
FAF - MAPT 4.1 NM	MIN:SEC	3:31	2:44	2:28	2:03
Rate of descent	FT/MIN	372	478	531	637

Dist to IOD DME	NM	2	3	4
Altitudes (Heights)	FT	1090 (640)	1410 (960)	1720 (1270)

ORADEA / Oradea (LROD)
NDB Y RWY 19

AERONAUTICAL DATA TABULATION

NDB Approach to RWY 19, CAT A/B from URNEQ, ORXIK, RUPUG, BAVMA, TUVNU, ORA NDB	
Fix/Point	**Coordinates**
URNEQ – BRG 220.49 ORA / D 15.66 NM IOD	47°14'19.9"N 022°08'07.0"E
ORXIK – BRG 251.12 ORA / D 15.72 NM IOD	47°09'06.7"N 022°14'43.3"E
RUPUG – BRG 304.70 ORA / D 16.02 NM IOD	46°54'33.0"N 022°15'11.0"E
TUVNU – BRG 025.15 ORA / D 16.31 NM IOD	46°48'36.0"N 021°40'24.0"E
BAVMA – BRG 338.07 ORA / D 16.23 NM IOD	46°46'54.0"N 022°03'38.0"E
ORA NDB (IAF/FAF)	47°06'01.3"N 021°55'26.9"E
FIKHU (IF) **–** BRG 185.63 ORA / D 12.01 NM IOD	47°13'36.8"N 021°57'38.9"E
SDF – BRG 005.65 ORA / D 2.10 IOD	47°03'53.0"N 021°54'49.8"E
THR RWY 19 (MAPT) – BRG 005.65 ORA / D 0.20 IOD	47°01'59.71"N 021°54'16.92"E
IOD DME	47°01'49.3"N 021°54'19.9"E

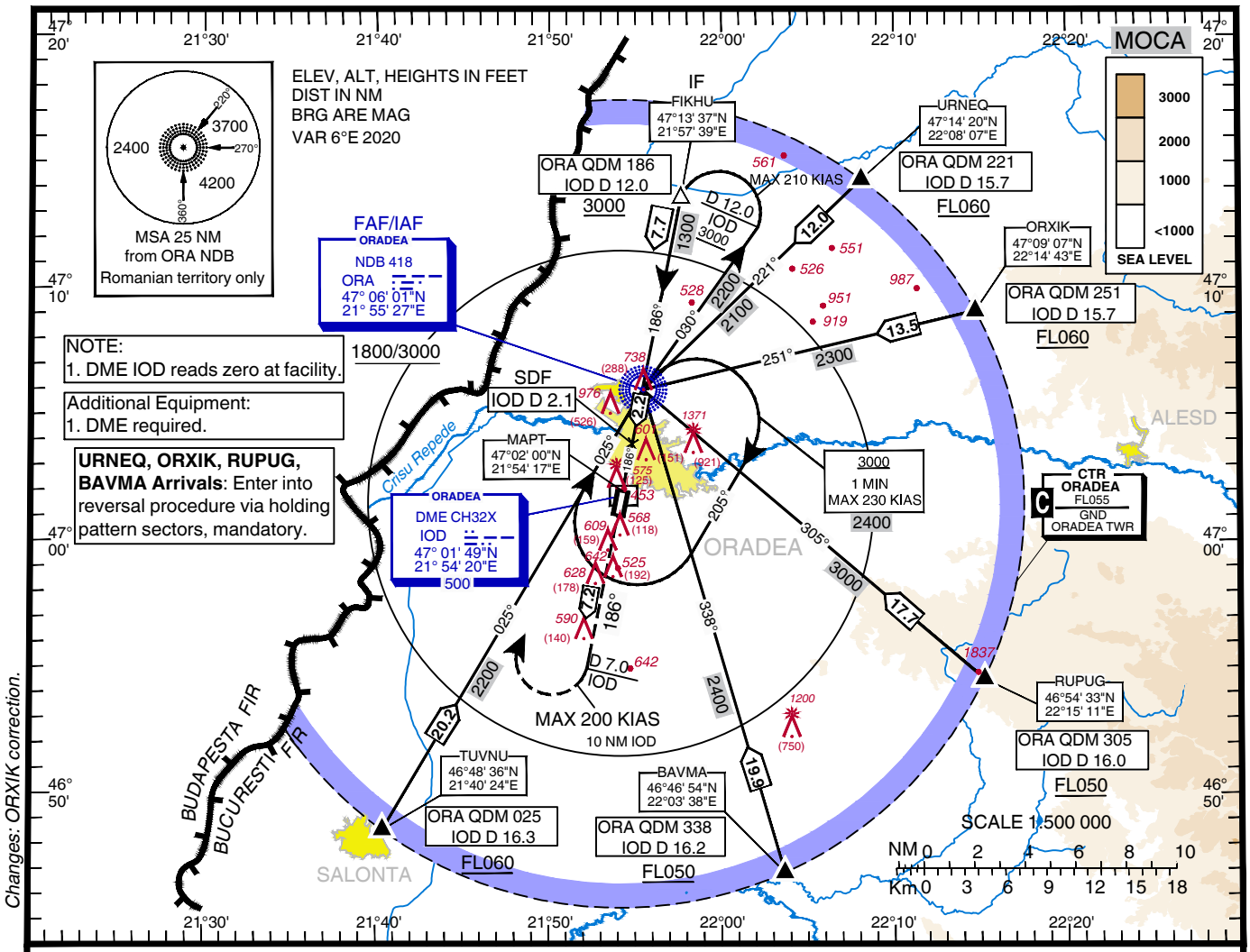
Final approach descent gradient (angle): 5.2% (3.00°)

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV. **480 ft**
HEIGHTS RELATED TO
THR RWY 19 - ELEV 450

ORADEA TOWER 118.455
ORADEA TOWER ALTN 120.200

ORADEA / Oradea (LROD)
NDB Z
RWY 19
CAT C / D



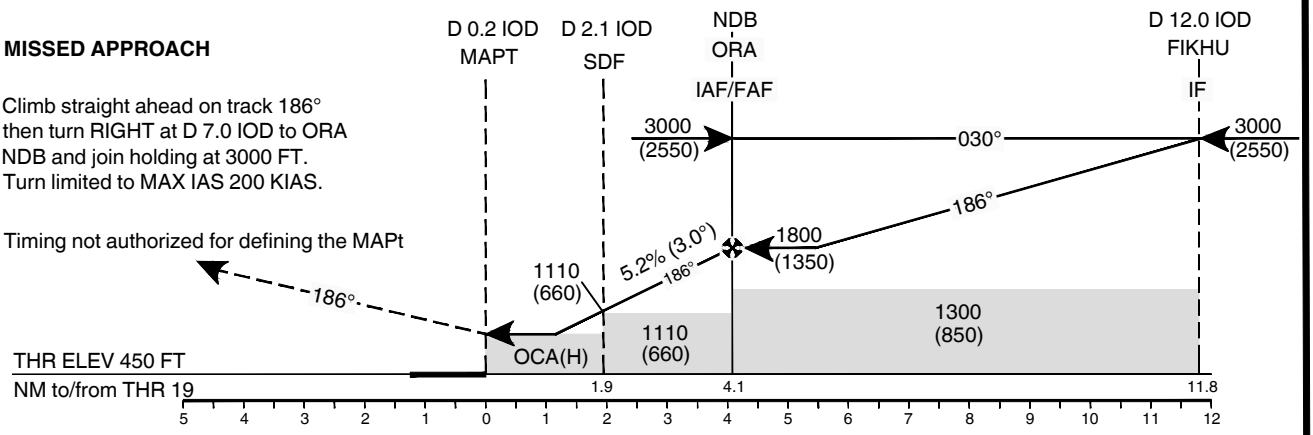
Changes: ORXIK correction.

Transition Altitude
4000

MISSED APPROACH

Climb straight ahead on track 186°
then turn RIGHT at D 7.0 IOD to ORA
NDB and join holding at 3000 FT.
Turn limited to MAX IAS 200 KIAS.

Timing not authorized for defining the MAPt



OCA/H		C	D
Straight-in approach	Stepdown fix (D 2.1 IOD)	850 (400)	
	w/o Stepdown fix	1110 (660)	
Circling *		1770	

* Circling WEST of RWY only

GS	KT	120	140	160
FAF - MAPT 4.1 NM	MIN:SEC	2:03	1:46	1:33
Rate of descent	FT/MIN	637	743	849

Dist to IOD DME	NM	2	3	4
Altitudes (Heights)	FT	1090 (640)	1410 (960)	1720 (1270)

ORADEA / Oradea (LROD)
NDB Z RWY 19

AERONAUTICAL DATA TABULATION

NDB Approach to RWY 19, CAT C/D from URNEQ, ORXIK, RUPUG, BAVMA, TUVNU, ORA NDB	
Fix/Point	**Coordinates**
URNEQ – BRG 220.49 ORA / D 15.66 NM IOD	47°14'19.9"N 022°08'07.0"E
ORXIK – BRG 251.12 ORA / D 15.72 NM IOD	47°09'06.7"N 022°14'43.3"E
RUPUG – BRG 304.70 ORA / D 16.02 NM IOD	46°54'33.0"N 022°15'11.0"E
TUVNU – BRG 025.15 ORA / D 16.31 NM IOD	46°48'36.0"N 021°40'24.0"E
BAVMA – BRG 338.07 ORA / D 16.23 NM IOD	46°46'54.0"N 022°03'38.0"E
ORA NDB (IAF/FAF)	47°06'01.3"N 021°55'26.9"E
FIKHU (IF) **–** BRG 185.63 ORA / D 12.01 NM IOD	47°13'36.8"N 021°57'38.9"E
SDF – BRG 005.65 ORA / D 2.10 IOD	47°03'53.0"N 021°54'49.8"E
THR RWY 19 (MAPT) – BRG 005.65 ORA / D 0.20 IOD	47°01'59.71"N 021°54'16.92"E
IOD DME	47°01'49.3"N 021°54'19.9"E

Final approach descent gradient (angle): 5.2% (3.00°)

LRMS 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
05	057.02°	795 x 40	5700 Kg Grass	463152.72N 0243129.86E 463206.74N 0243201.16E GUND 129FT	THR 1002 FT	0.14%
23	237.02°	795 x 40	5700 Kg Grass	463206.74N 0243201.16E 463152.72N 0243129.86E GUND 129FT	THR 1006 FT	-0.14%

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	855 x 60	30 x 60	NIL	NIL	NIL
NIL	NIL	855 x 60	30 x 60	NIL	NIL	NIL

LRMS AD 2.13 DECLARED DISTANCES

RWY designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
05	795	795	795	795	NIL
23	795	795	795	795	NIL

LRMS 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
NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

LRMS 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*	NIL
4	*Secondary power supply/switch-over time*	NIL
5	*Remarks*	NIL

LRMS AD 2.16 HELICOPTER LANDING AREA

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

LRMS 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*	Aerodrome located within Târgu Mureș CTR (see LRTM AD 2.17 ATS AIRSPACE)

LRMS 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	NIL	NIL	NIL	NIL	NIL	NIL

LRMS 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*
NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

LRMS AD 2.20 LOCAL AERODROME REGULATIONS

Mureșeni aerodrome is located in Târgu Mureș CTR, class C airspace, with horizontal and vertical limits described in AIP Romania, LRTM AD 2.17 ATS AIRSPACE.
For entry permission in the controlled airspace of Târgu Mureș CTR, aircraft operating from Mureșeni airfield shall submit a FPL and contact the traffic unit from Târgu Mureș TWR (for communication channel see LRTM AD 2.18 ATS COMMUNICATION FACILITIES).

All flights are subject to ATC clearance except those evolving in restricted or segregated airspace areas.

It is forbidden to intersect the take-off / landing runway directions of TÂRGU MUREȘ/Transilvania-Târgu Mureș International Airport (LRTM), without the prior authorization of the traffic unit from Târgu Mureș TWR.
For flights in Târgu Mureș CTR it is mandatory to equip aircraft with SSR identification system and VHF airground communications in 8.33 kHz spacing.

Aerodromul Mureșeni este situat în CTR Târgu Mureș, spațiu aerian clasa C, cu limite orizontale și verticale descrise în AIP România, LRTM AD 2.17 ATS AIRSPACE.
Pentru permisiunea de intrare în spațiul aerian controlat al CTR Târgu Mureș, aeronavele care operează de pe aerodromul Mureșeni vor depune FPL și vor contacta unitatea de trafic de la TWR Târgu Mureș (pentru canalul de comunicații vezi LRTM AD 2.18 ATS COMMUNICATION FACILITIES).
Toate zborurile sunt subiect al autorizării ATC cu excepția celor care evoluează în zone de spațiu aerian restricționate sau segregate.
Este interzisă intersectarea direcțiilor de decolare/aterizare ale pistei Aeroportului Internațional TÂRGU MUREȘ/Transilvania-Târgu Mureș (LRTM), fără autorizarea prealabilă a unității de trafic de la TWR Târgu Mureș.
Pentru zborurile în CTR Târgu Mureș este obligatorie echiparea aeronavelor cu sistem de identificare SSR și comunicații aer-sol VHF în ecart 8.33 kHz.

LRMS AD 2.21 NOISE ABATEMENT PROCEDURES

-NIL-

LRMS AD 2.22 FLIGHT PROCEDURES

-NIL-

LRMS AD 2.23 ADDITIONAL INFORMATION

-NIL-

LRMS AD 2.24 CHARTS RELATED TO THE AERODROME

LRMS AD 2.25 VISUAL SEGMENT SURFACE (VSS) PENETRATION

Not applicable