

STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

ZAGREB ATIS 124.575
ZAGREB RADAR 118.885
ZAGREB TOWER 120.700
ZAGREB TOWER 118.300

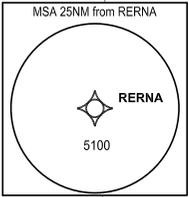
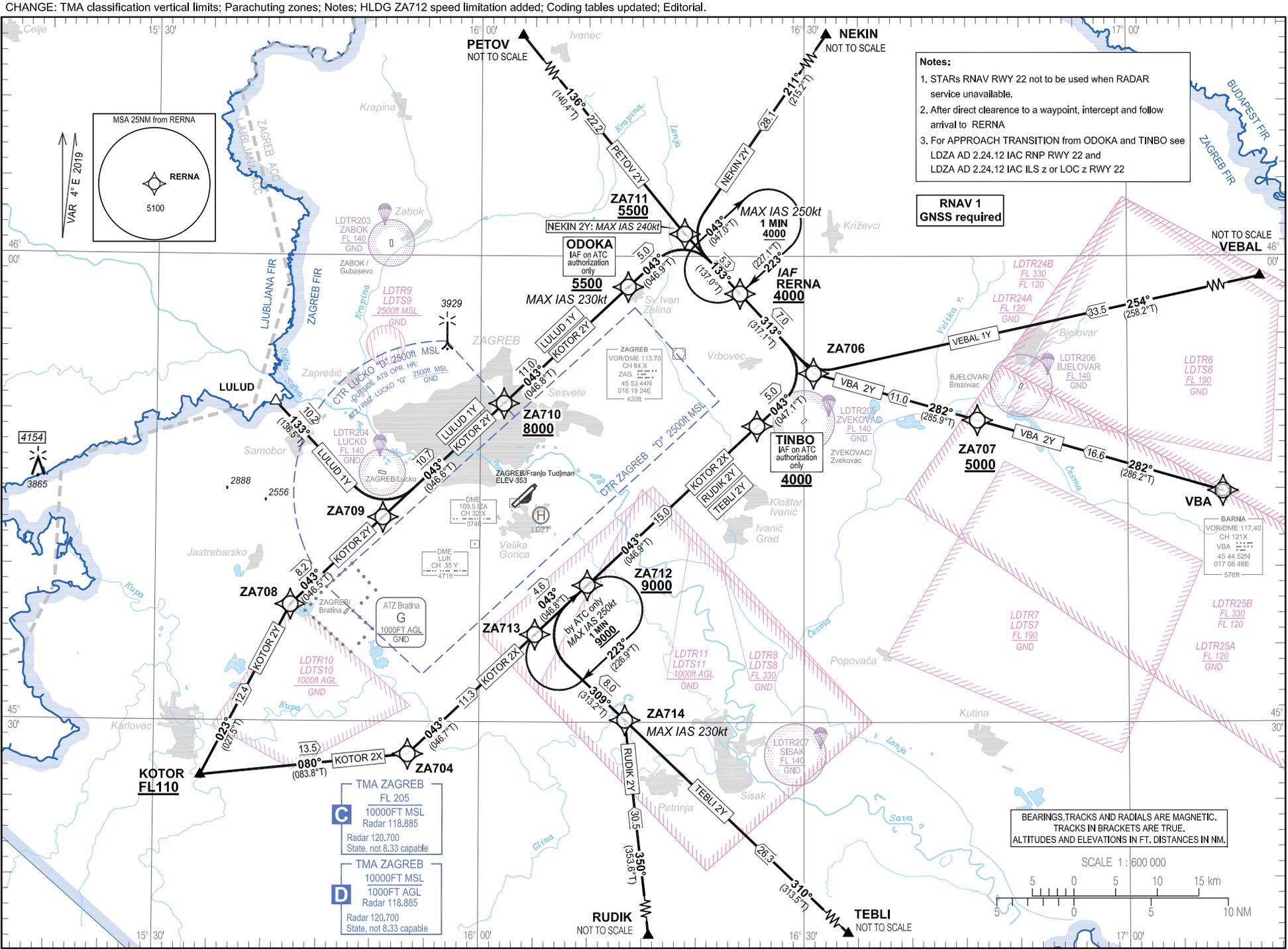
ZAGREB / Franjo Tuđman (LDZA)
PETOV 2Y NEKIN 2Y VEBAL 1Y
VBA 2Y TEBLI 2Y RUDIK 2Y
KOTOR 2X LULUD 1Y RNAV RWY 22

Notes:
1. STARs RNAV RWY 22 not to be used when RADAR service unavailable.
2. After direct clearance to a waypoint, intercept and follow arrival to RERNA
3. For APPROACH TRANSITION from ODOKA and TINBO see LDZA AD 2.24.12 IAC RNP RWY 22 and LDZA AD 2.24.12 IAC ILS z or LOC z RWY 22

**RNAV 1
GNSS required**

BEARINGS, TRACKS AND RADIALS ARE MAGNETIC.
TRACKS IN BRACKETS ARE TRUE.
ALTITUDES AND ELEVATIONS IN FT., DISTANCES IN NM.

SCALE 1 : 600 000



VAR 4° E 2019

CHANGE: TMA classification vertical limits; Parachuting zones; Notes; HLDG ZA712 speed limitation added; Coding tables updated; Editorial.

ZAGREB / Franjo Tuđman (LDZA)

RNAV RWY 22 PETOV 2Y NEKIN 2Y VEBAL 1Y
 VBA 2Y TEBLI 2Y RUDIK 2Y
 KOTOR 2X KOTOR 2Y LULUD 1Y

LDZA RNAV STANDARD ARRIVAL RWY 22												
Proposed tabular description for navigation database coding												
Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	PETOV 2Y	IF	PETOV	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA711	-	136° (140.4°T)	4°E	22.2	-	+5500	-	-	
030		TF	RERNA	-	133° (137.0°T)	4°E	5.3	-	+4000	-	IAF	
010	NEKIN 2Y	IF	NEKIN	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA711	-	211° (215.2°T)	4°E	28.1	-	+5500	-240	-	
030		TF	RERNA	-	133° (137.0°T)	4°E	5.3	-	+4000	-	IAF	
010	VEBAL 1Y	IF	VEBAL	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA706	-	254° (258.2°T)	4°E	33.5	-	-	-	-	
030		TF	RERNA	-	313° (317.1°T)	4°E	7.0	-	+4000	-	IAF	
010	VBA 2Y	IF	VBA	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA707	-	282° (286.2°T)	4°E	16.6	-	+5000	-	-	
030		TF	ZA706	-	282° (285.9°T)	4°E	11.0	-	-	-	-	
040		TF	RERNA	-	313° (317.1°T)	4°E	7.0	-	+4000	-	IAF	
010	TEBLI 2Y	IF	TEBLI	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA714	-	310° (313.5°T)	4°E	26.3	-	-	-230	-	
030		TF	ZA713	-	309° (313.2°T)	4°E	8.0	-	-	-	-	
040		TF	ZA712	-	043° (046.8°T)	4°E	4.6	-	+9000	-	-	
050		TF	TINBO	-	043° (046.9°T)	4°E	15.0	-	+4000	-	IAF on ATC authorization only	
060		TF	ZA706	-	043° (047.1°T)	4°E	5.0	-	-	-	-	
070		TF	RERNA	-	313° (317.1°T)	4°E	7.0	-	+4000	-	IAF	

CHANGE: TMA classification vertical limits; Parachuting zones; Notes; HLDG ZA712 speed limitation added; Coding tables updated; Editorial.

LDZA RNAV STANDARD ARRIVAL RWY 22

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	RUDIK 2Y	IF	RUDIK	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA714	-	350° (353.6°T)	4°E	30.5	-	-	-230	-	
030		TF	ZA713	-	309° (313.2°T)	4°E	8.0	-	-	-	-	
040		TF	ZA712	-	043° (046.8°T)	4°E	4.6	-	+9000	-	-	
050		TF	TINBO	-	043° (046.9°T)	4°E	15.0	-	+4000	-	IAF on ATC authorization only	
060		TF	ZA706	-	043° (047.1°T)	4°E	5.0	-	-	-	-	
070		TF	RERNA	-	313° (317.1°T)	4°E	7.0	-	+4000	-	IAF	
010	KOTOR 2X	IF	KOTOR	-	-	4°E	-	-	+FL110	-	-	RNAV 1
020		TF	ZA704	-	080° (083.8°T)	4°E	13.5	-	-	-	-	
030		TF	ZA713	-	043° (046.7°T)	4°E	11.3	-	-	-	-	
040		TF	ZA712	-	043° (046.8°T)	4°E	4.6	-	+9000	-	-	
050		TF	TINBO	-	043° (046.9°T)	4°E	15.0	-	+4000	-	IAF on ATC authorization only	
060		TF	ZA706	-	043° (047.1°T)	4°E	5.0	-	-	-	-	
070		TF	RERNA	-	313° (317.1°T)	4°E	7.0	-	+4000	-	IAF	
010	KOTOR 2Y	IF	KOTOR	-	-	4°E	-	-	+FL110	-	-	RNAV 1
020		TF	ZA708	-	023° (027.5°T)	4°E	12.4	-	-	-	-	
030		TF	ZA709	-	043° (046.5°T)	4°E	8.2	-	-	-	-	
040		TF	ZA710	-	043° (046.6°T)	4°E	10.7	-	+8000	-	-	
050		TF	ODOKA	-	043° (046.8°T)	4°E	11.0	-	+5500	-230	IAF on ATC authorization only	
060		TF	ZA711	-	043° (046.9°T)	4°E	5.0	-	+5500	-	-	
070		TF	RERNA	-	133° (137.0°T)	4°E	5.3	-	+4000	-	IAF	

CHANGE: TMA classification vertical limits; Parachuting zones; Notes; HLDG ZA712 speed limitation added; Coding tables updated; Editorial.

ZAGREB / Franjo Tuđman (LDZA)

PETOV 2Y NEKIN 2Y VEBAL 1Y
 VBA 2Y TEBLI 2Y RUDIK 2Y
 KOTOR 2X KOTOR 2Y LULUD 1Y

RNAV RWY 22

LDZA RNAV STANDARD ARRIVAL RWY 22

Proposed tabular description for navigation database coding

Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	LULUD 1Y	IF	LULUD	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA709	-	133° (136.5°T)	4°E	10.2	-	-	-	-	
030		TF	ZA710	-	043° (046.6°T)	4°E	10.7	-	+8000	-	-	
040		TF	ODOKA	-	043° (046.8°T)	4°E	11.0	-	+5500	-230	IAF on ATC authorization only	
050		TF	ZA711	-	043° (046.9°T)	4°E	5.0	-	+5500	-	-	
060		TF	RERNA	-	133° (137.0°T)	4°E	5.3	-	+4000	-	IAF	

IAF on ATC authorization only: For APPROACH TRANSITION from ODOKA and TINBO see LDZA AD 2.24.12 IAC RNP RWY 22, LDZA AD 2.24.12 IAC ILS z or LOC z RWY 22

RNAV HOLDING tabular description

Waypoint name	Path descriptor	Inbound course °M (°T)	Leg time/distance (NM)	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
RERNA	HM	223° (227.1°T)	1 MIN / -	R	4000	-	250	4°E	-	RNAV 1
ZA712	HM	043° (046.8°T)	1 MIN / -	R	9000	-	250	4°E	HLDG by ATC only	RNAV 1

Waypoint coordinates

Waypoint name	WGS-84 latitude	WGS-84 longitude
LULUD	455033N	0154100E
ODOKA	455801.1N	0161340.1E
KOTOR	452628N	0153420E
NEKIN	462426N	0164212E
PETOV	461835N	0155834E
RERNA	455735.6N	0162402.7E
RUDIK	445948N	0161818E
TEBLI	451205N	0164033E
TINBO	454903.8N	0162538.1E
VEBAL	455929N	0171748E
VBA	454452.08N	0170848.29E
ZA704	452754.1N	0155326.4E
ZA706	455228.0N	0163052.5E
ZA707	454927.1N	0164604.1E
ZA708	453730.0N	0154230.8E
ZA709	454308.4N	0155101.1E
ZA710	455030.0N	0160211.0E
ZA711	460125.9N	0161854.6E
ZA712	453848.4N	0160957.1E
ZA713	453537.7N	0160507.4E
ZA714	453008.1N	0161327.7E

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