

STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

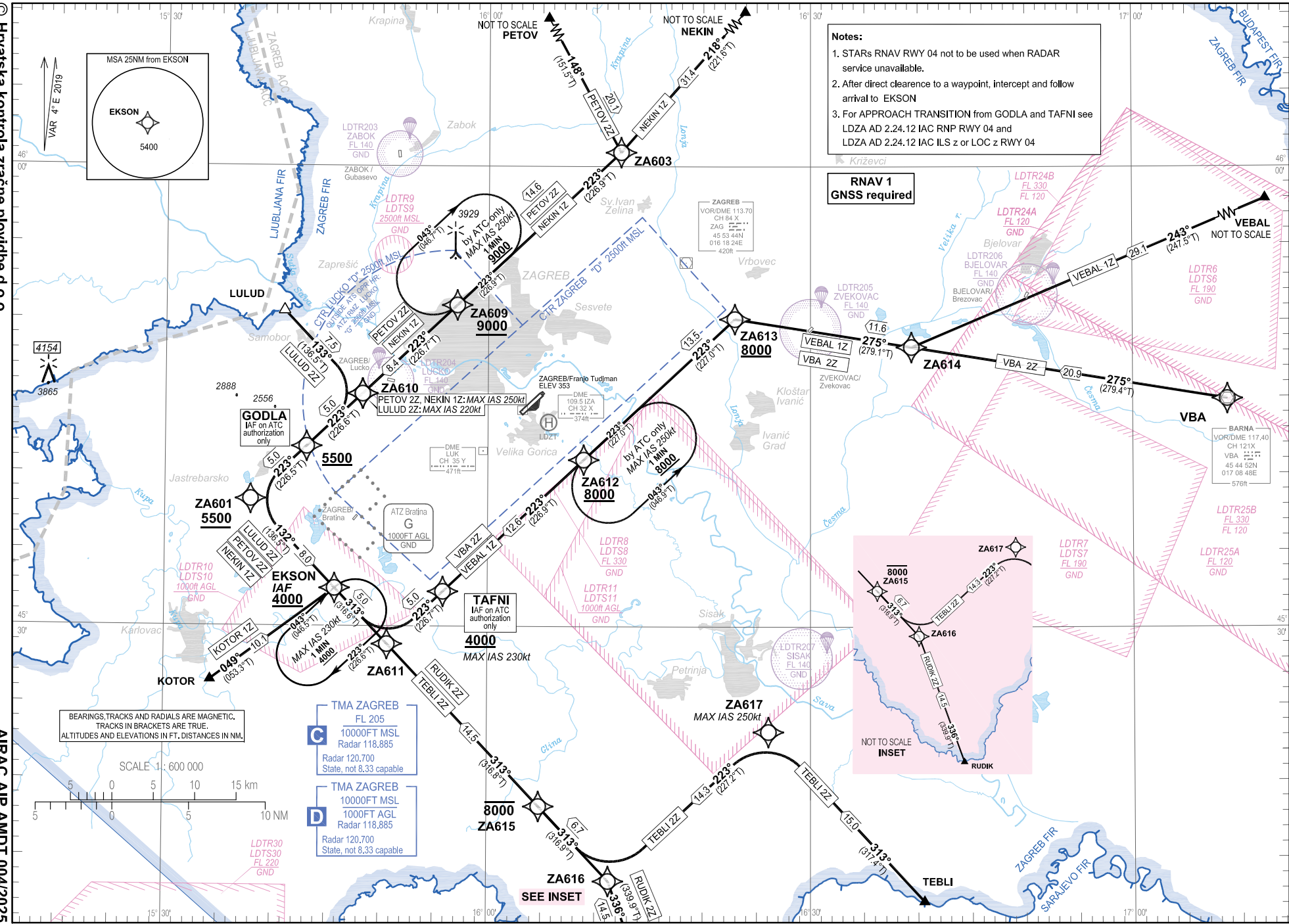
TRANSITION ALTITUDE
10 000

ZAGREB ATIS 124.575
ZAGREB RADAR 118.885
ZAGREB RADAR 120.700 State, not 8.33 capable
ZAGREB TOWER 118.300

ZAGREB / Franjo Tuđman (LDZA)
VEBAL 1Z
VBA 2Z
KOTOR 1Z
LULUD 2Z
PETOV 2Z
NEKIN 1Z
RNAV RWY 04

- Notes:**
1. STARs RNAV RWY 04 not to be used when RADAR service unavailable.
 2. After direct clearance to a waypoint, intercept and follow arrival to EKSON
 3. For APPROACH TRANSITION from GODLA and TAFNI see LDZA AD 2.24.12 IAC RNP RWY 04 and LDZA AD 2.24.12 IAC ILS z or LOC z RWY 04

**RNAV 1
GNSS required**



ZAGREB / Franjo Tudjman (LDZA)

RNAV RWY 04

VEBAL 1Z

RUDIK 2Z

PETOV 2Z

VBA 2Z

KOTOR 1Z

NEKIN 1Z

TEBLI 2Z

LULUD 2Z

LDZA RNAV STANDARD ARRIVAL RWY 04												
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	VEBAL 1Z	IF	VEBAL	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA614	-	243° (247.5°T)	4°E	29.1	-	-	-	-	
030		TF	ZA613	-	275° (279.1°T)	4°E	11.6	-	+8000	-	-	
040		TF	ZA612	-	223° (227.0°T)	4°E	13.5	-	+8000	-	-	
050		TF	TAFNI	-	223° (226.9°T)	4°E	12.6	-	+4000	-230	IAF on ATC authorization only	
060		TF	ZA611	-	223° (226.7°T)	4°E	5.0	-	-	-	-	
070		TF	EKSON	-	313° (316.6°T)	4°E	5.0	-	+4000	-	IAF	
010	VBA 2Z	IF	VBA	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA614	-	275° (279.4°T)	4°E	20.9	-	-	-	-	
030		TF	ZA613	-	275° (279.1°T)	4°E	11.6	-	+8000	-	-	
040		TF	ZA612	-	223° (227.0°T)	4°E	13.5	-	+8000	-	-	
050		TF	TAFNI	-	223° (226.9°T)	4°E	12.6	-	+4000	-230	IAF on ATC authorization only	
060		TF	ZA611	-	223° (226.7°T)	4°E	5.0	-	-	-	-	
070		TF	EKSON	-	313° (316.6°T)	4°E	5.0	-	+4000	-	IAF	
010	TEBLI 2Z	IF	TEBLI	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA617	-	313° (317.4°T)	4°E	15.0	-	-	-250	-	
030		TF	ZA616	-	223° (227.2°T)	4°E	14.3	-	-	-	-	
040		TF	ZA615	-	313° (316.9°T)	4°E	6.7	-	-8000	-	-	
050		TF	ZA611	-	313° (316.8°T)	4°E	14.5	-	-	-	-	
060		TF	EKSON	-	313° (316.6°T)	4°E	5.0	-	+4000	-	IAF	
010	RUDIK 2Z	IF	RUDIK	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA616	-	336° (339.9°T)	4°E	14.5	-	-	-	-	
030		TF	ZA615	-	313° (316.9°T)	4°E	6.7	-	-8000	-	-	
040		TF	ZA611	-	313° (316.8°T)	4°E	14.5	-	-	-	-	
050		TF	EKSON	-	313° (316.6°T)	4°E	5.0	-	+4000	-	IAF	

CHANGE: TMA classification vertical limits; Parachuting zones; Notes; HLDG ZA612 speed limitation added; Coding tables updated; Editorial.

LDZA RNAV STANDARD ARRIVAL RWY 04												
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	KOTOR 1Z	IF	KOTOR	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	EKSON	-	049° (053.3°T)	4°E	10.1	-	+4000	-	IAF	
010	LULUD 2Z	IF	LULUD	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA610	-	133° (136.5°T)	4°E	7.5	-	-	-220	-	
030		TF	GODLA	-	223° (226.6°T)	4°E	5.0	-	+5500	-	IAF on ATC authorization only	
040		TF	ZA601	-	223° (226.5°T)	4°E	5.0	-	+5500	-	-	
050		TF	EKSON	-	132° (136.5°T)	4°E	8.0	-	+4000	-	IAF	
010	PETOV 2Z	IF	PETOV	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA603	-	148° (151.5°T)	4°E	20.1	-	-	-	-	
030		TF	ZA609	-	223° (226.9°T)	4°E	14.6	-	+9000	-	-	
040		TF	ZA610	-	223° (226.7°T)	4°E	8.4	-	-	-250	-	
050		TF	GODLA	-	223° (226.6°T)	4°E	5.0	-	+5500	-	IAF on ATC authorization only	
060		TF	ZA601	-	223° (226.5°T)	4°E	5.0	-	+5500	-	-	
070		TF	EKSON	-	132° (136.5°T)	4°E	8.0	-	+4000	-	IAF	
010	NEKIN 1Z	IF	NEKIN	-	-	4°E	-	-	-	-	-	RNAV 1
020		TF	ZA603	-	218° (221.6°T)	4°E	31.4	-	-	-	-	
030		TF	ZA609	-	223° (226.9°T)	4°E	14.6	-	+9000	-	-	
040		TF	ZA610	-	223° (226.7°T)	4°E	8.4	-	-	-250	-	
050		TF	GODLA	-	223° (226.6°T)	4°E	5.0	-	+5500	-	IAF on ATC authorization only	
060		TF	ZA601	-	223° (226.5°T)	4°E	5.0	-	+5500	-	-	
070		TF	EKSON	-	132° (136.5°T)	4°E	8.0	-	+4000	-	IAF	
IAF on ATC authorization only: For APPROACH TRANSITION from TAFNI and GODLA see LDZA AD 2.24.12 IAC RNP RWY 04 and LDZA AD 2.24.12 IAC ILS z or LOC z RWY 04												

CHANGE: TMA classification vertical limits; Parachuting zones; Notes; HLDG ZA612 speed limitation added; Coding tables updated; Editorial.

ZAGREB / Franjo Tudjman (LDZA)

RNAV RWY 04

VEBAL 1Z
RUDIK 2Z
PETOV 2Z

VBA 2Z
KOTOR 1Z
NEKIN 1Z

TEBLI 2Z
LULUD 2Z

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
EKSON	HM	043° (046.5°T)	1MIN / -	R	4000	-	230	4°E	-	RNAV 1
ZA612	HM	223° (227.0°T)	1MIN / -	L	8000	-	250	4°E	HLDG by ATC only	RNAV 1
ZA609	HM	223° (226.9°T)	1MIN / -	R	9000	-	250	4°E	HLDG by ATC only	RNAV 1

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
LULUD	455033N	0154100E
EKSON	453227.7N	0154548.4E
TAFNI	453215.6N	0155551.9E
GODLA	454142.4N	0154308.3E
KOTOR	452628N	0153420E
NEKIN	462426N	0164212E
PETOV	461835N	0155834E
RUDIK	445948N	0161818E
TEBLI	451205N	0164033E
VEBAL	455929N	0171748E
VBA	454452.08N	0170848.29E
ZA601	453815.9N	0153757.8E
ZA603	460054.6N	0161219.5E
ZA609	455056.0N	0155705.8E
ZA610	454508.5N	0154819.2E
ZA611	452849.7N	0155041.5E
ZA612	454051.7N	0160854.5E
ZA613	455003.0N	0162257.1E
ZA614	454813.7N	0163923.8E
ZA615	451816.2N	0160448.1E
ZA616	451324.2N	0161115.8E
ZA617	452308.1N	0162606.2E

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