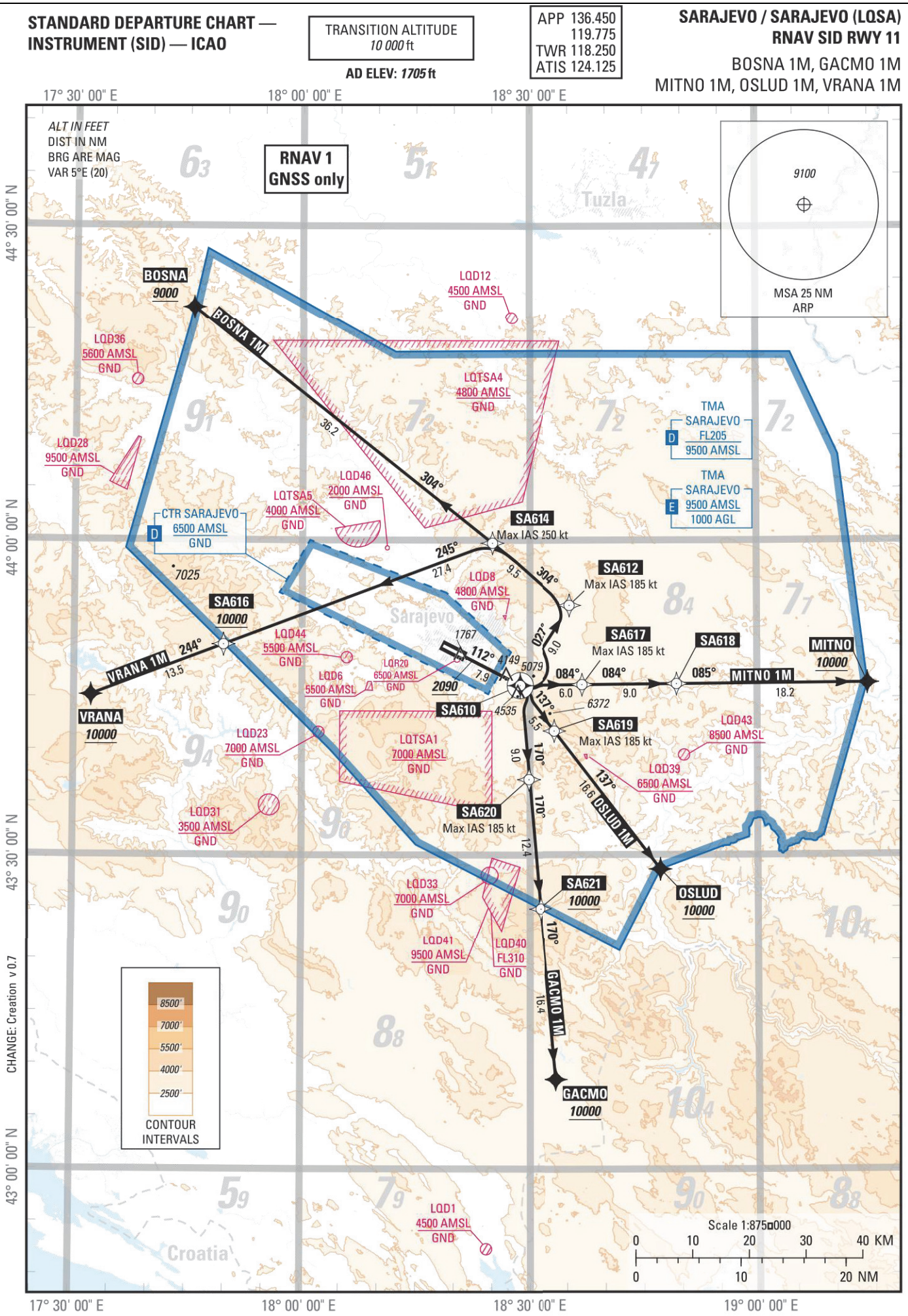
STANDARD DEPARTURE CHART — INSTRUMENT (SID) — ICAO
TRANSITION ALTITUDE 10 000 ft
AD ELEV: 1705 ft
APP 136.450
119.775
TWR 118.250
ATIS 124.125
SARAJEVO / SARAJEVO (LQSA)
RNAV SID RWY 11
BOSNA 1M, GACMO 1M
MITNO 1M, OSLUD 1M, VRANA 1M
ALT IN FEET
DIST IN NM
BRG ARE MAG
VAR 5°E (20)
RNAV 1
GNSS only
MSA 25 NM
ARP
9100
BOSNA
9000
BOSNA 1M
36.2
304°
LQD12
4500 AMSL
GND
LQD36
5600 AMSL
GND
LQTSA4
4800 AMSL
GND
LQD28
9500 AMSL
GND
LQD46
2000 AMSL
GND
LQTSA5
4000 AMSL
GND
CTR SARAJEVO
D
6500 AMSL
GND
TMA
SARAJEVO
D
FL205
9500 AMSL
TMA
SARAJEVO
E
9500 AMSL
1000 AGL
SA614
Max IAS 250 kt
245°
21.4
9.5
304°
SA612
Max IAS 185 kt
LQD8
4800 AMSL
GND
7025
SA616
10000
244°
13.5
VRANA 1M
VRANA
10000
LQD44
5500 AMSL
GND
LQR20
6500 AMSL
GND
LQD6
5500 AMSL
GND
1767
112°
4149
5079
7.9
2090
027°
9.0
SA617
Max IAS 185 kt
084°
6.0
084°
9.0
SA618
085°
MITNO 1M
18.2
MITNO
10000
SA610
4535
137°
5.5
6372
SA619
Max IAS 185 kt
LQD43
8500 AMSL
GND
LQD39
6500 AMSL
GND
LQD23
7000 AMSL
GND
LQTSA1
7000 AMSL
GND
170°
9.0
137°
16.6
OSLUD 1M
SA620
Max IAS 185 kt
LQD31
3500 AMSL
GND
170°
12.4
LQD33
7000 AMSL
GND
SA621
10000
OSLUD
10000
LQD41
9500 AMSL
GND
LQD40
FL310
GND
170°
16.4
GACMO 1M
GACMO
10000
8500'
7000'
5500'
4000'
2500'
CONTOUR
INTERVALS
LQD1
4500 AMSL
GND
Tuzla
Sarajevo
Croatia
Scale 1:875 000
0 10 20 30 40 KM
0 10 20 NM
CHANGE: Creation v 0.7
44° 30' 00" N
44° 00' 00" N
43° 30' 00" N
43° 00' 00" N
17° 30' 00" E
18° 00' 00" E
18° 30' 00" E
19° 00' 00" E

STANDARD DEPARTURE CHART — INSTRUMENT (SID) TEXT — ICAO

SARAJEVO/Sarajevo (LQSA)
RNAV RWY 11
BOSNA 1M VRANA 1M MITNO 1M OSLUD 1M GACMO 1M

DEPARTURE TEXTS

For all departures:
Disregarded close-in obstacles:
Trees (1761ft and 1767ft) 180m from DER and 112m right RWY axis

BOSNA 1M

Climb (1) to ***2090*** on course **112°M**, then to **SA610**.
At **SA610**, turn **left** to **SA612** (Max IAS **185kt**), then to **SA614** (Max IAS **250kt**), then to **BOSNA** at or above ***9000***.
(1) **PDG 9.3%** up to ***5900*** then **3.3%**

VRANA 1M

Climb (1) to ***2090*** on course **112°M**, then to **SA610**.
At **SA610**, turn **left** to **SA612** (Max IAS **185kt**), then to **SA614** (Max IAS **250kt**), then to **SA616** at or above ***10000***, then to **VRANA**.
(1) **PDG 9.3%** up to ***5900*** then **3.3%**

MITNO 1M

Climb (1) to ***2090*** on course **112°M**, then to **SA610**, then to **SA617** (Max IAS **185kt**), then to **SA618**, then to **MITNO** at or above ***10000***.
(1) **PDG 9.3%** up to ***5900*** then **3.3%**

OSLUD 1M

Climb (1) to ***2090*** on course **112°M**, then to **SA610**, then to **SA619** (Max IAS **185kt**), then to **OSLUD** at or above ***10000***.
(1) **PDG 9.3%** up to ***6500*** then **3.3%**

GACMO 1M

Climb (1) to ***2090*** on course **112°M**, then to **SA610**, then to **SA620** (Max IAS **185kt**), then to **SA621** at or above ***10000***, then to **GACMO**
(1) **PDG 9.3%** up to ***6500*** then **3.3%**

LQSA RNAV SID RWY 11

Proposed tabular description for navigation database coding

Seq N°	PT	W/P ID	OverFly	TD	RMD VHF	THETA (°) magnetic	RHO Val	RHO uom	CRS Val (°)	CRS Type	DIST val NM	ALT DESC	ALT ONE FT	ALT TWO FT	SPD LMT KT	NAV PERF	Phase	Transition Identifier	Runway Direction	Magnetic CRS val(°)
BOSNA 1M																				
10	CA								112.349	MT		+	2090			1.000 NM	5	RW11	11	NotApplicable
20	CF	SA610	Y		KEB	167.780	9.950	NM	112.349	MT	7.904					1.000 NM	5	RW11	11	NotApplicable
30	TF	SA612	N						032.043	TT	9.000				185	1.000 NM	5	RW11	11	027.043
40	TF	SA614	N						308.744	TT	9.500				250	1.000 NM	5	RW11	11	303.744
50	TF	BOSNA	N						308.625	TT	36.240	+	9000			1.000 NM	5	RW11	11	303.625
GACMO 1M																				
10	CA								112.349	MT		+	2090			1.000 NM	5	RW11	11	NotApplicable
20	CF	SA610	Y		KEB	167.780	9.950	NM	112.349	MT	7.904					1.000 NM	5	RW11	11	NotApplicable
30	TF	SA620	N						174.693	TT	9.000				185	1.000 NM	5	RW11	11	169.693
40	TF	SA621	N						174.706	TT	12.392	+	10000			1.000 NM	5	RW11	11	169.706
50	TF	GACMO	N						174.727	TT	16.354	+	10000			1.000 NM	5	RW11	11	169.727
MITNO 1M																				
10	CA								112.349	MT		+	2090			1.000 NM	5	RW11	11	NotApplicable
20	CF	SA610	Y		KEB	167.780	9.950	NM	112.349	MT	7.904					1.000 NM	5	RW11	11	NotApplicable
30	TF	SA617	N						089.320	TT	6.000				185	1.000 NM	5	RW11	11	084.320
40	TF	SA618	N						089.416	TT	9.000					1.000 NM	5	RW11	11	084.416
50	TF	MITNO	N						089.559	TT	18.174	+	10000			1.000 NM	5	RW11	11	084.559
OSLUD 1M																				
10	CA								112.349	MT		+	2090			1.000 NM	5	RW11	11	NotApplicable
20	CF	SA610	Y		KEB	167.780	9.950	NM	112.349	MT	7.904					1.000 NM	5	RW11	11	NotApplicable
30	TF	SA619	N						142.385	TT	5.500				185	1.000 NM	5	RW11	11	137.385
40	TF	OSLUD	N						142.438	TT	16.590	+	10000			1.000 NM	5	RW11	11	137.438
VRANA 1M																				
10	CA								112.349	MT		+	2090			1.000 NM	5	RW11	11	NotApplicable
20	CF	SA610	Y		KEB	167.780	9.950	NM	112.349	MT	7.904					1.000 NM	5	RW11	11	NotApplicable
30	TF	SA612	N						032.043	TT	9.000				185	1.000 NM	5	RW11	11	027.043
40	TF	SA614	N						308.744	TT	9.500				250	1.000 NM	5	RW11	11	303.744
50	TF	SA616	N						249.503	TT	27.351	+	10000			1.000 NM	5	RW11	11	244.503
60	TF	VRANA	N						249.093	TT	13.494	+	10000			1.000 NM	5	RW11	11	244.093

ADHP ICAO Identifier	W/P ID	W/P ICAO Code	W/P Type	Latitude	Longitude
LQ	BOSNA		ICAO	44°22'14.0000"N	017°45'35.0000"E
LQ	GACMO		ICAO	43°08'34.0000"N	018°33'29.0000"E
LQ	KIS		ICAO	44°01'05.7900"N	018°03'46.7900"E
LQ	KUTAK		ICAO	43°15'01.0000"N	018°32'37.0000"E
LQ	MITNO		ICAO	43°46'24.0000"N	019°14'30.0000"E
LQ	OSLUD		ICAO	43°28'38.0000"N	018°47'14.0000"E
LQ	PODOB		ICAO	43°31'54.0000"N	019°08'40.0000"E
LQ	RIVUS		ICAO	43°55'39.3000"N	018°03'17.5000"E
LQ	RUDAR		ICAO	43°38'55.0000"N	018°29'21.0000"E
LQ	RW11		ADHP	43°49'46.3700"N	018°19'05.6000"E
LQ	SA408		ADHP	43°53'17.3900"N	018°09'40.6110"E
LQ	SA409		ADHP	43°53'13.1650"N	018°09'51.4640"E
LQ	SA410		ADHP	43°50'13.9370"N	018°17'51.9710"E
LQ	SA411		ADHP	43°58'11.7410"N	018°18'38.2660"E
LQ	SA420		ADHP	44°01'11.7490"N	018°00'40.7960"E
LQ	SA422		ADHP	44°03'47.7010"N	017°50'20.1060"E
LQ	SA423		ADHP	43°58'19.5610"N	017°44'59.5300"E
LQ	SA424		ADHP	43°55'22.9050"N	017°42'07.4550"E
LQ	SA425		COORD	43°47'27.5590"N	018°09'58.0010"E
LQ	SA426		ADHP	43°24'55.5340"N	018°31'16.0540"E
LQ	SA610		ADHP	43°46'09.5530"N	018°28'42.9390"E
LQ	SA612		ADHP	43°53'47.1390"N	018°35'19.1760"E
LQ	SA614		ADHP	43°59'43.4500"N	018°25'03.2690"E
LQ	SA616		ADHP	43°50'03.2680"N	017°49'39.5310"E
LQ	SA617		ADHP	43°46'13.5250"N	018°36'59.7470"E
LQ	SA618		ADHP	43°46'18.3570"N	018°49'24.9900"E
LQ	SA619		ADHP	43°41'48.0260"N	018°33'20.5760"E
LQ	SA620		COORD	43°37'11.7960"N	018°29'51.7030"E
LQ	SA621		COORD	43°24'51.3180"N	018°31'25.8290"E
LQ	TIMID		ICAO	44°03'58.9800"N	018°14'32.1400"E
LQ	VEBAR		ICAO	44°08'12.0000"N	019°10'49.0000"E
LQ	VRANA		ICAO	43°45'13.0000"N	017°32'16.0000"E