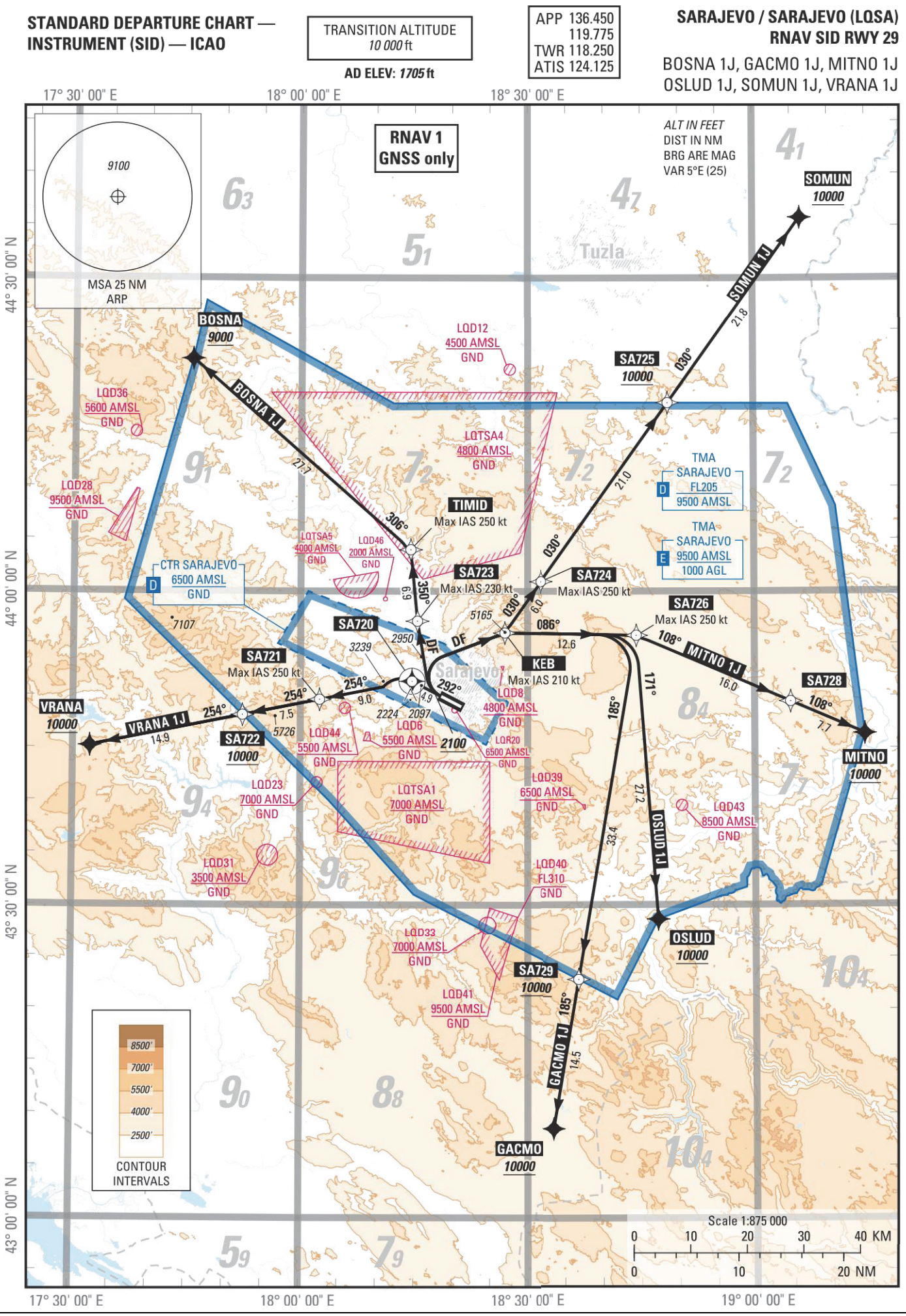
STANDARD DEPARTURE CHART — INSTRUMENT (SID) — ICAO
TRANSITION ALTITUDE 10 000 ft
AD ELEV: 1705 ft
APP 136.450
119.775
TWR 118.250
ATIS 124.125
SARAJEVO / SARAJEVO (LQSA)
RNAV SID RWY 29
BOSNA 1J, GACMO 1J, MITNO 1J
OSLUD 1J, SOMUN 1J, VRANA 1J
RNAV 1
GNSS only
ALT IN FEET
DIST IN NM
BRG ARE MAG
VAR 5°E (25)
MSA 25 NM
ARP
9100
BOSNA 9000
SOMUN 10000
SA725 10000
SA724 Max IAS 250 kt
SA723 Max IAS 230 kt
SA726 Max IAS 250 kt
SA728
SA720
SA721 Max IAS 250 kt
SA722 10000
SA729 10000
TIMID Max IAS 250 kt
KEB Max IAS 210 kt
MITNO 10000
OSLUD 10000
GACMO 10000
VRANA 10000
BOSNA 1J
SOMUN 1J
MITNO 1J
OSLUD 1J
GACMO 1J
VRANA 1J
LQD12 4500 AMSL GND
LQD36 5600 AMSL GND
LQD28 9500 AMSL GND
LQTSA4 4800 AMSL GND
LQTSA5 4000 AMSL GND
LQD46 2000 AMSL GND
LQD8 4800 AMSL GND
LQD6 5500 AMSL GND
LQD44 5500 AMSL GND
LQR20 6500 AMSL GND
LQD23 7000 AMSL GND
LQTSA1 7000 AMSL GND
LQD39 6500 AMSL GND
LQD43 8500 AMSL GND
LQD31 3500 AMSL GND
LQD40 FL310 GND
LQD33 7000 AMSL GND
LQD41 9500 AMSL GND
TMA SARAJEVO FL205 9500 AMSL
TMA SARAJEVO 9500 AMSL 1000 AGL
CTR SARAJEVO 6500 AMSL GND
Tuzla
Sarajevo
CONTOUR INTERVALS
8500'
7000'
5500'
4000'
2500'
Scale 1:875 000
0 10 20 30 40 KM
0 10 20 NM
17° 30' 00" E
18° 00' 00" E
18° 30' 00" E
19° 00' 00" E
44° 30' 00" N
44° 00' 00" N
43° 30' 00" N
43° 00' 00" N

STANDARD DEPARTURE CHART — INSTRUMENT (SID) TEXT — ICAO

SARAJEVO/Sarajevo (LQSA)
RNAV RWY 29
BOSNA1J GACMO1J MITNO1J OSLUD1J SOMUN1J VRANA1J

DEPARTURE TEXTS

BOSNA 1J

Climb (1) to ***2100*** on course **292°M,** then turn **right** direct to **SA723** (Max IAS **230kt**), then to **TIMID** (Max IAS **250kt**), then to **BOSNA** at or above ***9000***.

(1) **PDG: 5.6 %** up to ***3200,*** then **3.3 %.**

GACMO 1J

Climb (1) to ***2100*** on course **292°M,** then turn **right** direct to **KEB** (Max IAS **210kt**), then to **SA726** (Max IAS **250kt**), then to **SA729** at or above ***10000,*** then to **GACMO**.

(1) **PDG: 7.0 %** up to ***5600,*** then **3.3 %.**

MITNO 1J

Climb (1) to ***2100*** on course **292°M,** then turn **right** direct to **KEB** (Max IAS **210kt**), then to **SA726** (Max IAS **250kt**), then to **SA728**, then to **MITNO** at or above ***10000.***

(1) **PDG: 7.0 %** up to ***5600,*** then **3.3 %.**

OSLUD 1J

Climb (1) to ***2100*** on course **292°M,** then turn **right** direct to **KEB** (Max IAS **210kt**), then to **SA726** (Max IAS **250kt**), then to **OSLUD** at or above ***10000.***

(1) **PDG: 7.0 %** up to ***5600,*** then **3.3 %.**

SOMUN 1J

Climb (1) to ***2100*** on course **292°M**, then turn **right** direct to **KEB** (Max IAS **210kt**), then to **SA724** (Max IAS **250kt**), then to **SA725** at or above ***10000***, then to **SOMUN**.

(1) **PDG: 7.0 %** up to ***5600,*** then **3.3 %.**

VRANA 1J

Climb (1) to ***2100*** on course **292°M**, then to **SA720.**
At SA720, turn **left** to **SA721** (Max IAS **250kt**), then to **SA722** at or above ***10000*** (2), then to **VRANA**.

(1) **PDG: 5.2 %** up to ***6100,*** then **3.3 %.**
(2) **ATS climb gradient: 6.8 %** up to ***10000***

LQSA RNAV SID RWY 29

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 1J																				
10	CA								292.371	MT		+	2100			1.000 NM	5	RW29	29	NotApplicable
20	DF	SA723	N												230	1.000 NM	5	RW29	29	
30	TF	TIMID	N						354.569	TT	6.862				250	1.000 NM	5	RW29	29	349.569
40	TF	BOSNA	N						311.403	TT	27.687	+	9000			1.000 NM	5	RW29	29	306.403
GACMO 1J																				
10	CA								292.369	MT		+	2100			1.000 NM	5	RW29	29	NotApplicable
20	DF	KEB	N												210	1.000 NM	5	RW29	29	
30	TF	SA726	N						091.028	TT	12.598				250	1.000 NM	5	RW29	29	086.028
40	TF	SA729	N						189.628	TT	33.389	+	10000			1.000 NM	5	RW29	29	184.628
50	TF	GACMO	N						189.540	TT	14.486	+	10000			1.000 NM	5	RW29	29	184.540
MITNO 1J																				
10	CA								292.369	MT		+	2100			1.000 NM	5	RW29	29	NotApplicable
20	DF	KEB	N												210	1.000 NM	5	RW29	29	
30	TF	SA726	N						091.028	TT	12.598				250	1.000 NM	5	RW29	29	086.028
40	TF	SA728	N						113.146	TT	16.000					1.000 NM	5	RW29	29	108.146
50	TF	MITNO	N						113.381	TT	7.702	+	10000			1.000 NM	5	RW29	29	108.381
OSLUD 1J																				
10	CA								292.369	MT		+	2100			1.000 NM	5	RW29	29	NotApplicable
20	DF	KEB	N												210	1.000 NM	5	RW29	29	
30	TF	SA726	N						091.028	TT	12.598				250	1.000 NM	5	RW29	29	086.028
40	TF	OSLUD	N						175.685	TT	27.224	+	10000			1.000 NM	5	RW29	29	170.685
SOMUN 1J																				
10	CA								292.369	MT		+	2100			1.000 NM	5	RW29	29	NotApplicable
20	DF	KEB	N												210	1.000 NM	5	RW29	29	
30	TF	SA724	N						035.168	TT	5.999				250	1.000 NM	5	RW29	29	030.168
40	TF	SA725	N						035.226	TT	20.958	+	10000			1.000 NM	5	RW29	29	030.226
50	TF	SOMUN	N						035.421	TT	21.807	+	10000			1.000 NM	5	RW29	29	030.421
VRANA 1J																				
10	CA								292.369	MT		+	2100			1.000 NM	5	RW29	29	NotApplicable
20	CF	SA720	Y		KEB	237.506	9.999	NM	292.369	MT	4.904					1.000 NM	5	RW29	29	NotApplicable
30	TF	SA721	N						258.869	TT	9.000				250	1.000 NM	5	RW29	29	253.869
40	TF	SA722	N						258.728	TT	7.501	+	10000			1.000 NM	5	RW29	29	253.728
50	TF	VRANA	N						258.611	TT	14.865	+	10000			1.000 NM	5	RW29	29	253.611

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	EMKES		ICAO	43°49'00.8300"N	017°51'11.7600"E
LQ	GACMO		ICAO	43°08'34.0000"N	018°33'29.0000"E
LQ	KEB		ICAO	43°56'01.9100"N	018°26'59.3800"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	RFC20		ADHP	43°33'20.7810"N	018°30'45.5990"E
LQ	RFC21		ADHP	43°42'39.4330"N	018°28'15.6590"E
LQ	RFC22		ADHP	43°46'40.3500"N	018°21'21.3090"E
LQ	RFC23		ADHP	43°42'24.3650"N	018°27'53.9710"E
LQ	RFC24		ADHP	43°55'10.1740"N	018°21'31.3390"E
LQ	RFC25		ADHP	43°42'33.9590"N	018°45'52.4460"E
LQ	RW29		ADHP	43°49'16.5900"N	018°20'25.0800"E
LQ	SA504		ADHP	43°48'26.9150"N	018°22'37.5440"E
LQ	SA506		ADHP	43°46'29.0480"N	018°24'06.2140"E
LQ	SA508		ADHP	43°42'58.5490"N	018°23'38.6770"E
LQ	SA510		ADHP	43°40'19.8040"N	018°24'54.8580"E
LQ	SA514		ADHP	43°39'28.9060"N	018°28'49.4660"E
LQ	SA516		ADHP	43°39'23.8680"N	018°33'08.6470"E
LQ	SA520		ADHP	43°38'50.7780"N	018°35'47.5290"E
LQ	SA522		ADHP	43°37'11.1350"N	018°43'43.8900"E
LQ	SA524		ADHP	43°22'13.9510"N	018°38'21.3670"E
LQ	SA526		ADHP	43°44'40.2020"N	018°50'12.9760"E
LQ	SA530		ADHP	43°50'11.7330"N	018°17'57.8400"E
LQ	SA532		ADHP	43°59'44.2140"N	018°26'00.5410"E
LQ	SA534		ADHP	43°47'06.7550"N	018°50'23.0790"E
LQ	SA720		ADHP	43°51'24.2550"N	018°14'43.8190"E
LQ	SA721		ADHP	43°49'39.3460"N	018°02'31.8760"E
LQ	SA722		ADHP	43°48'10.9150"N	017°52'22.3900"E
LQ	SA723		ADHP	43°57'09.0730"N	018°15'26.1940"E
LQ	SA724		ADHP	44°00'56.0910"N	018°31'46.7020"E
LQ	SA725		ADHP	44°18'02.1310"N	018°48'36.6980"E
LQ	SA726		ADHP	43°55'47.0200"N	018°44'25.2130"E
LQ	SA728		ADHP	43°49'27.8200"N	019°04'44.5770"E
LQ	SA729		ADHP	43°22'51.3640"N	018°36'45.7620"E
LQ	SOMUN		ICAO	44°35'47.0000"N	019°06'18.0000"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