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LQMO – Mostar International Airport
Trial PBN instrument flight procedures

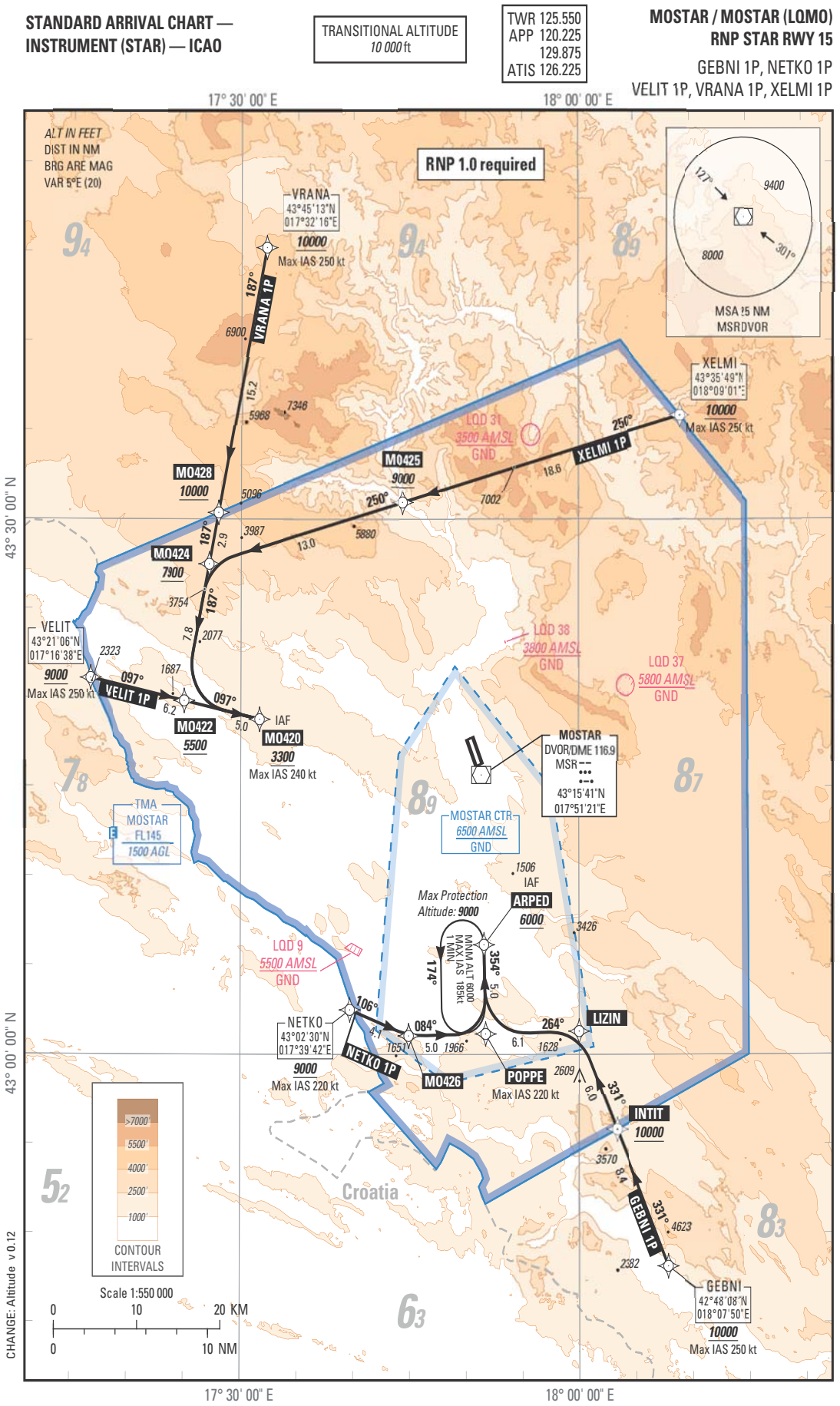
This AIRAC AIP SUP contains trial PBN RNP STAR RWY 15 and RNP APCH (AR) RWY 15 flight procedures for Mostar (LQMO) Airport.

These trial PBN procedures are not intended for the planning of operations. These procedures have been published solely for flight validation and flyability check purposes with the aim of collecting and developing safety argumentation, as well as other relevant information and data relevant for PBN implementation in Bosnia and Herzegovina.

If trial PBN flight procedures pass the flight validation, they will be made available for users through the AIRAC AIP AMDT.

There is one conjoint list of all Waypoints for all RNP procedures at the end of this document.

Each RNP procedure chart is followed with its relevant Coding table.


STANDARD ARRIVAL CHART — INSTRUMENT (STAR) — ICAO
TRANSITIONAL ALTITUDE 10 000 ft
TWR 125.550
APP 120.225
129.875
ATIS 126.225
MOSTAR / MOSTAR (LQMO)
RNP STAR RWY 15
GEBNI 1P, NETKO 1P
VELIT 1P, VRANA 1P, XELMI 1P
17° 30' 00" E
18° 00' 00" E
43° 30' 00" N
43° 00' 00" N
ALT IN FEET
DIST IN NM
BRG ARE MAG
VAR 5°E (20)
RNP 1.0 required
VRANA
43°45'13"N
017°32'16"E
10000
Max IAS 250 kt
187°
VRANA 1P
6900
15.2
5968
7346
MO428
10000
5096
187°
2.9
3987
MO424
7900
3754
187°
7.8
2077
VELIT
43°21'06"N
017°16'38"E
9000
Max IAS 250 kt
2323
097°
VELIT 1P
1687
6.2
097°
MO422
5500
5.0
IAF
MO420
3300
Max IAS 240 kt
LQD 31
3500 AMSL
GND
MO425
9000
250°
18.6
XELMI 1P
7002
5880
13.0
XELMI
43°35'49"N
018°09'01"E
10000
Max IAS 250 kt
LQD 38
3800 AMSL
GND
LQD 37
5800 AMSL
GND
MOSTAR
DVOR/DME 116.9
MSR
43°15'41"N
017°51'21"E
MOSTAR CTR
6500 AMSL
GND
TMA
MOSTAR
FL145
1500 AGL
1506
IAF
ARPED
6000
Max Protection Altitude: 9000
3426
MINIMA ALT 6000
MAX IAS 185kt
1 MIN
174°
354°
5.0
LQD 9
5500 AMSL
GND
106°
4.1
084°
5.0
1966
1651
264°
6.1
1628
LIZIN
NETKO
43°02'30"N
017°39'42"E
9000
Max IAS 220 kt
NETKO 1P
MO426
POPPE
Max IAS 220 kt
2609
6.0
331°
INTIT
10000
3570
8.4
331°
GEBNI 1P
4623
2382
GEBNI
42°48'08"N
018°07'50"E
10000
Max IAS 250 kt
MSA 25 NM
MSRDVOR
127°
9400
301°
8000
Croatia
CONTOUR INTERVALS
>7000'
5500'
4000'
2500'
1000'
Scale 1:550 000
0 10 20 KM
0 10 NM
CHANGE: Altitude v0.12

STAR GEBNI 1P

Seq N°	PT	W/P ID	OverFly	Fix role	TD	RMD VHF	THETA (°) magnetic	RHO Val	RHO uom	CRS Val (°)	CRS Type	TIME val	TIME uom	DIST val	DIST uom	ALT DESC	ALT ONE	ALT TWO	SPD LMT	VRT ANG (°)	NAV PERF	RADIUS val	RADIUS uom	ARC CTR ID	Phase	Transition Identifier	Runway Direction	Magnetic CRS val(°)
10	IF	GEBNI														+	10000.00 FT [ALT]		250.00 KT		1.000 NM				6	15	15	
20	TF	INTIT	N							336.365	TT			8.368	NM	+	10000.00 FT [ALT]				1.000 NM				6	15	15	331.365
30	TF	LIZIN	N							336.388	TT			5.979	NM						1.000 NM				6	15	15	331.388
40	TF	POPPE	N							268.866	TT			6.069	NM				220.00 KT		1.000 NM				6	15	15	263.866
50	TF	ARPED	N							358.772	TT			5.000	NM	+	6000.00 FT [ALT]				1.000 NM				6	15	15	353.772

STAR NETKO 1P

Seq N°	PT	W/P ID	OverFly	Fix role	TD	RMD VHF	THETA (°) magnetic	RHO Val	RHO uom	CRS Val (°)	CRS Type	TIME val	TIME uom	DIST val	DIST uom	ALT DESC	ALT ONE	ALT TWO	SPD LMT	VRT ANG (°)	NAV PERF	RADIUS val	RADIUS uom	ARC CTR ID	Phase	Transition Identifier	Runway Direction	Magnetic CRS val(°)
10	IF	NETKO														+	9000.00 FT [ALT]		220.00 KT		1.000 NM				5	ALL	15	
20	TF	MO426	N							110.806	TT			4.093	NM						1.000 NM				5	ALL	15	105.806
30	TF	POPPE	N							088.696	TT			5.000	NM						1.000 NM				5	ALL	15	083.696
40	TF	ARPED	N							358.772	TT			5.000	NM	+	6000.00 FT [ALT]				1.000 NM				5	ALL	15	353.772

STAR VELIT 1P

Seq N°	PT	W/P ID	OverFly	Fix role	TD	RMD VHF	THETA (°) magnetic	RHO Val	RHO uom	CRS Val (°)	CRS Type	TIME val	TIME uom	DIST val	DIST uom	ALT DESC	ALT ONE	ALT TWO	SPD LMT	VRT ANG (°)	NAV PERF	RADIUS val	RADIUS uom	ARC CTR ID	Phase	Transition Identifier	Runway Direction	Magnetic CRS val(°)
10	IF	VELIT														+	9000.00 FT [ALT]		250.00 KT		1.000 NM				6	15	15	
20	TF	MO422	N							101.862	TT			6.210	NM	+	5500.00 FT [ALT]				1.000 NM				6	15	15	096.862
30	TF	MO420	N							101.957	TT			5.000	NM	+	3300.00 FT [ALT]		240.00 KT		1.000 NM				6	15	15	096.957

STAR VRANA 1P

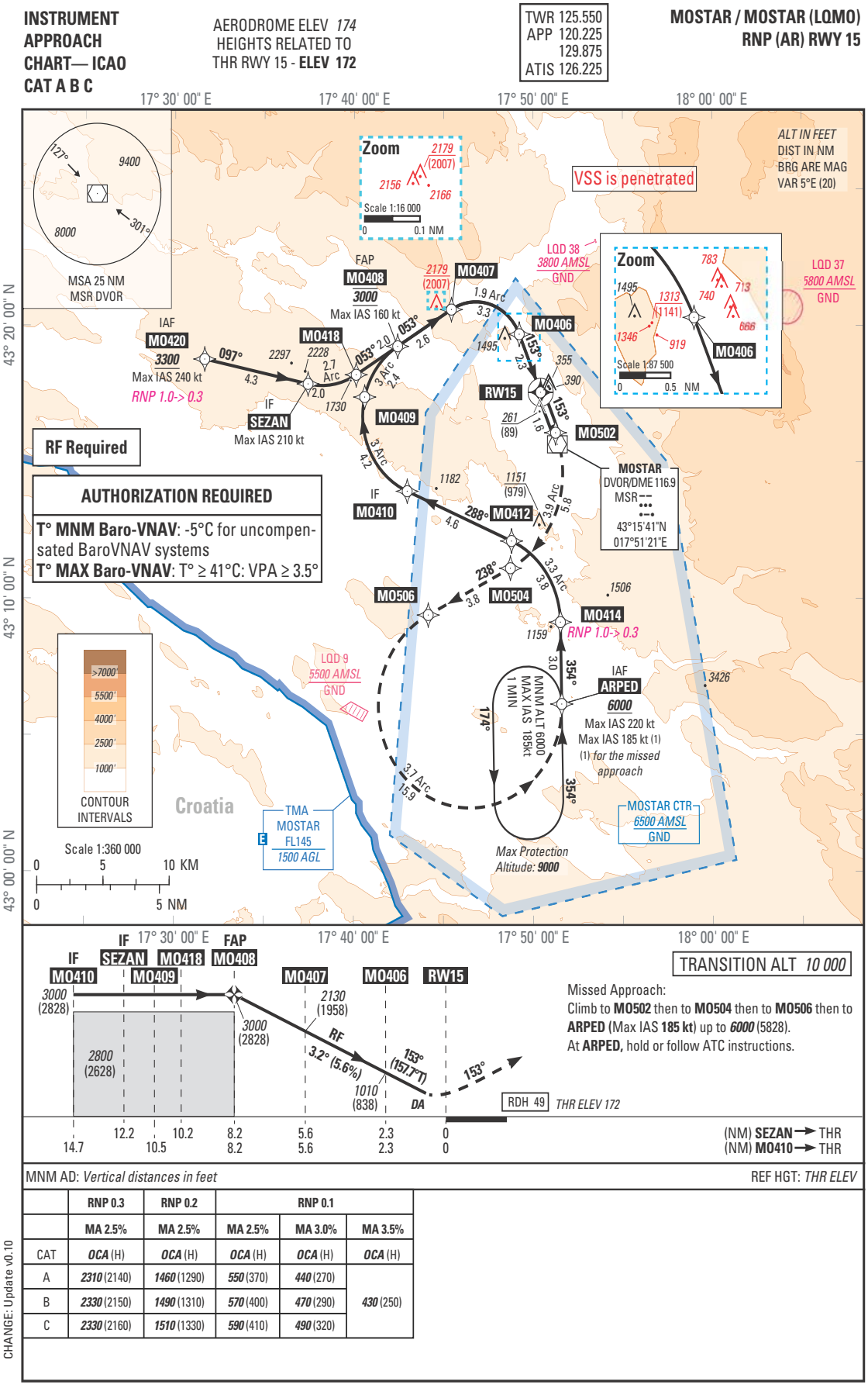
Seq N°	PT	W/P ID	OverFly	Fix role	TD	RMD VHF	THETA (°) magnetic	RHO Val	RHO uom	CRS Val (°)	CRS Type	TIME val	TIME uom	DIST val	DIST uom	ALT DESC	ALT ONE	ALT TWO	SPD LMT	VRT ANG (°)	NAV PERF	RADIUS val	RADIUS uom	ARC CTR ID	Phase	Transition Identifier	Runway Direction	Magnetic CRS val(°)
10	IF	VRANA														+	10000.00 FT [ALT]		250.00 KT		1.000 NM				6	15	15	
20	TF	MO428	N							191.862	TT			15.172	NM	+	10000.00 FT [ALT]				1.000 NM				6	15	15	186.862
30	TF	MO424	N							191.813	TT			2.945	NM	+	7900.00 FT [ALT]				1.000 NM				6	15	15	186.813
40	TF	MO422	N							191.803	TT			7.828	NM	+	5500.00 FT [ALT]				1.000 NM				6	15	15	186.803
50	TF	MO420	N							101.957	TT			5.000	NM	+	3300.00 FT [ALT]		240.00 KT		1.000 NM				6	15	15	096.957

STAR XELMI 1P

Seq N°	PT	W/P ID	OverFly	Fix role	TD	RMD VHF	THETA (°) magnetic	RHO Val	RHO uom	CRS Val (°)	CRS Type	TIME val	TIME uom	DIST val	DIST uom	ALT DESC	ALT ONE	ALT TWO	SPD LMT	VRT ANG (°)	NAV PERF	RADIUS val	RADIUS uom	ARC CTR ID	Phase	Transition Identifier	Runway Direction	Magnetic CRS val(°)
10	IF	XELMI														+	10000.00 FT [ALT]		250.00 KT		1.000 NM				6	15	15	
20	TF	MO425	N							254.938	TT			18.575	NM	+	9000.00 FT [ALT]				1.000 NM				6	15	15	249.938
30	TF	MO424	N							254.655	TT			13.000	NM	+	7900.00 FT [ALT]				1.000 NM				6	15	15	249.655
40	TF	MO422	N							191.803	TT			7.828	NM	+	5500.00 FT [ALT]				1.000 NM				6	15	15	186.803
50	TF	MO420	N							101.957	TT			5.000	NM	+	3300.00 FT [ALT]		240.00 KT		1.000 NM				6	15	15	096.957

HOLDING ARPED

Region Code	ICAO Code	Duplicate Identifier	Type	W/P ID	Name	Inbound CRS Val (°)	Inbound CRS Type	TD	Inbound length val	Inbound length uom	Inbound time val	Inbound time uom	ALT MIN	ALT MAX	SPD LMT	NAV PERF	ARC RADIUS val	ARC RADIUS uom	Magnetic CRS val(°)
LQMO	LQ		TER	ARPED		359.000	TBRG	L			60.000	S	6000.00 FT [ALT]	0.00 FT [A	185 KT				354.000



	RNP 0.3	RNP 0.2	RNP 0.1		
	MA 2.5%	MA 2.5%	MA 2.5%	MA 3.0%	MA 3.5%
CAT	OCA (H)	OCA (H)	OCA (H)	OCA (H)	OCA (H)
A	2310 (2140)	1460 (1290)	550 (370)	440 (270)	430 (250)
B	2330 (2150)	1490 (1310)	570 (400)	470 (290)	
C	2330 (2160)	1510 (1330)	590 (410)	490 (320)	

IAP RNP AR RWY15 (H15)

Seq N°	PT	W/P ID	Overfly	Fix role	TD	RMD VHF	THETA (°) magnetic	RHO Val	RHO uom	CRS Val (°)	CRS Type	TIME val	TIME uom	DIST val	DIST uom	ALT DESC	ALT ONE	ALT TWO	SPD LMT	VRT ANG (°)	NAV PERF	RADIUS val	RADIUS uom	ARC CTR ID	Phase	Transition Identifier	Runway Direction	Magnetic CRS val (°)
10	IF	MO420		IAF												+	3300.00 FT [ALT]		240.00 KT		1.000 NM				A	MO420		
20	TF	SEZAN	N	IF						102.034	TT			4.310	NM				210.00 KT		0.300 NM				A	MO420		097.034
30	RF	MO418	N		L		097.100			058.338	TT			2.040	NM						0.300 NM	2.668	NM	RFC03	A	MO420		053.338
40	TF	MO408	N							058.338	TT			1.985	NM	@	3000.00 FT [ALT]		160.00 KT		0.300 NM				A	MO420		053.338
10	IF	ARPED		IAF												+	6000.00 FT [ALT]		220.00 KT		1.000 NM				A	ARPED		
20	TF	MO414	N							359.000	TT			3.000	NM						0.300 NM				A	ARPED		354.000
30	RF	MO412	N		L		353.999			293.301	TT			3.782	NM						0.300 NM	3.300	NM	RFC01	A	ARPED		288.301
40	TF	MO410	N	IF						293.229	TT			4.627	NM						0.300 NM				A	ARPED		288.229
50	RF	MO409	N		R		288.162			013.343	TT			4.195	NM						0.300 NM	2.997	NM	RFC02	A	ARPED		008.343
60	RF	MO408	N		R		008.343			058.364	TT			2.354	NM	@	3000.00 FT [ALT]		160.00 KT		0.300 NM	2.997	NM	RFC02	A	ARPED		053.364
10	IF	MO408		FAF										2.572	NM	@	3000.00 FT [ALT]		160.00 KT		0.300 NM				R		15	
20	TF	MO407	N							058.364	TT			3.307	NM					3.200	0.300 NM				R		15	053.364
30	RF	MO406	N		R		053.399			157.744	TT			2.300	NM					3.200	0.300 NM	1.908	NM	RFC04	R		15	152.744
40	TF	RW15	Y	MAPT						157.744	TT			1.600	NM	@	221.10 FT [ALT]			3.200	0.300 NM				R		15	152.744
10	TF	MO502	N							157.758	TT			5.814	NM						0.300 NM				Z	ARPED		152.758
20	RF	MO504	N		R		152.767			242.940	TT			3.764	NM						0.300 NM	3.910	NM	RFC05	Z	ARPED		237.940
30	TF	MO506	N							242.940	TT			15.922	NM	+	6000.00 FT [ALT]		185.00 KT		0.300 NM	3.740	NM	RFC06	Z	ARPED		237.940
40	RF	ARPED	N		L		237.829			359.000	TT										0.300 NM				Z	ARPED		354.000

ADHP ICAO Code	ADHP ICAO Identifier	W/P ID	W/P ICAO Code	W/P Type	Latitude	Longitude
LQ	LQMO	ASLIL	LQ	ICAO	43°06'40.9900"N	017°43'23.2200"E
LQ	LQMO	GEBNI	LQ	ICAO	42°48'08.0000"N	018°07'50.0000"E
LQ	LQMO	GLOMY	LQ	ICAO	43°33'36.0000"N	017°39'49.0000"E
LQ	LQMO	INTIT	LQ	ICAO	42°55'48.0000"N	018°03'16.0000"E
LQ	LQMO	LIZIN	LQ	ICAO	43°01'16.7700"N	018°00'00.1000"E
LQ	LQMO	ARPED	LQ	ICAO	43°06'09.2700"N	017°51'34.9900"E
LQ	LQMO	MO406	LQ	ADHP	43°19'42.2500"N	017°49'13.4130"E
LQ	LQMO	MO407	LQ	ADHP	43°20'36.3990"N	017°45'26.0630"E
LQ	LQMO	MO408	LQ	ADHP	43°19'15.4740"N	017°42'25.9940"E
LQ	LQMO	MO409	LQ	ADHP	43°17'23.9110"N	017°40'35.6010"E
LQ	LQMO	MO410	LQ	ADHP	43°13'57.0030"N	017°42'58.2830"E
LQ	LQMO	MO412	LQ	ADHP	43°12'07.6380"N	017°48'47.2450"E
LQ	LQMO	MO414	LQ	ADHP	43°09'09.2830"N	017°51'30.6980"E
LQ	LQMO	MO418	LQ	ADHP	43°18'12.9520"N	017°40'07.0850"E
LQ	LQMO	MO420	LQ	ADHP	43°18'46.7320"N	017°31'39.5830"E
LQ	LQMO	MO422	LQ	ADHP	43°19'49.0950"N	017°24'57.5820"E
LQ	LQMO	MO424	LQ	ADHP	43°27'28.9450"N	017°27'09.2150"E
LQ	LQMO	MO425	LQ	COORD	43°30'56.6850"N	017°44'21.9730"E
LQ	LQMO	MO426	LQ	ADHP	43°01'02.6340"N	017°44'54.9160"E
LQ	LQMO	MO428	LQ	ADHP	43°30'21.9510"N	017°27'58.8860"E
LQ	LQMO	MO430	LQ	ADHP	43°31'27.0180"N	017°31'56.9710"E
LQ	LQMO	MO440	LQ	ADHP	43°25'42.1810"N	017°46'44.7320"E
LQ	LQMO	MO502	LQ	ADHP	43°16'05.6230"N	017°51'14.7170"E
LQ	LQMO	MO504	LQ	ADHP	43°11'07.7960"N	017°48'43.6260"E
LQ	LQMO	MO506	LQ	ADHP	43°09'24.9430"N	017°44'08.8560"E
LQ	LQMO	MO608	LQ	ADHP	43°05'53.8230"N	017°51'35.4470"E
LQ	LQMO	MO620	LQ	ADHP	43°12'14.2970"N	018°02'50.6010"E
LQ	LQMO	MO710	LQ	ADHP	43°26'13.1230"N	017°44'47.2270"E
LQ	LQMO	MO720	LQ	ADHP	43°24'17.8080"N	017°34'07.4820"E
LQ	LQMO	MO820	LQ	ADHP	43°10'10.9460"N	017°39'48.6370"E
LQ	LQMO	MOM01	LQ	ADHP	43°14'46.1200"N	017°51'19.8300"E
LQ	LQMO	NETKO	LQ	ICAO	43°02'30.0000"N	017°39'42.0000"E
LQ	LQMO	OBANE	LQ	ICAO	43°01'01.2600"N	017°43'33.1500"E
LQ	LQMO	POPPE	LQ	ICAO	43°01'09.2600"N	017°51'43.7700"E
LQ	LQMO	RFC01	LQ	ADHP	43°09'05.7350"N	017°47'00.2490"E
LQ	LQMO	RFC02	LQ	ADHP	43°16'42.3370"N	017°44'35.1010"E
LQ	LQMO	RFC03	LQ	ADHP	43°20'29.2430"N	017°38'11.9130"E
LQ	LQMO	RFC04	LQ	ADHP	43°18'58.8490"N	017°46'48.2510"E
LQ	LQMO	RFC05	LQ	ADHP	43°14'36.7320"N	017°46'17.6080"E
LQ	LQMO	RFC06	LQ	ADHP	43°06'05.2390"N	017°46'28.7310"E
LQ	LQMO	RW15	LQ	ADHP	43°17'34.5000"N	017°50'24.9800"E
LQ	LQMO	SEZAN	LQ	ICAO	43°17'52.6600"N	017°37'25.9200"E
LQ	LQMO	VELIT	LQ	ICAO	43°21'06.0000"N	017°16'38.0000"E
LQ	LQMO	VRANA	LQ	ICAO	43°45'13.0000"N	017°32'16.0000"E
LQ	LQMO	XELMI	LQ	ICAO	43°35'49.0000"N	018°09'01.0000"E