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REPUBLIC OF SLOVENIA

AIC
A 002/2016
04 AUG 2016

INTRODUCTION OF SAXFRA
SLOVENIAN AUSTRIAN CROSS BORDER FREE ROUTE AIRSPACE

1. INTRODUCTION

The purpose of this AIC is to provide information concerning the implementation of SAXFRA (Slovenian Austrian Cross Border Free Route Airspace) within the Functional Airspace Block Central Europe FABCE.
SAXFRA will be implemented by AIRAC 10 November 2016.

2. OBJECTIVE

In line with the Commission Implementing Regulation (EU) No 716/2014 requiring FRA to be implemented by the 1st of January 2022 and the European Network Improvement Plan (ERNIP) Austro Control and Slovenia Control have launched the cross border free route project SAXFRA. In SAXFRA operators will be able to flight plan user preferred trajectories in the applicable area. Therefore SAXFRA will meet Union-wide performance targets related to safety, capacity and environment. Hence airspace user will benefit from time and mileage savings and therefore from reduction of fuel consumption.

3. APPLICABILITY

The SAXFRA area of application is available H24 and is not constrained by FIR or State boundaries. The SAXFRA area will consist of those areas where the following units provide ATS:
ACCs Wien (except BUDEX Area) and Ljubljana, APP units Wien, Graz, Innsbruck (East of the line 470010.0592N 0115118.3479E - 472551.0000N 0115624.0000E - 473709.0000N 0120341.0000E - 473758.0000N - 0120953.0000E), Klagenfurt, Linz, Salzburg (except Königssee Area), Ljubljana, Maribor and Portoroz (see attachement 1).

As of 10 NOV 2016 ATS Routes within SAXFRA will be permanently withdrawn except for:

- ATS routes within areas of responsibility of APP Maribor (MARIBOR TMA 1, MARIBOR TMA 2) and Portoroz (PORTOROZ TMA) to provide ATS without the use of ATS surveillance equipment.
- A set of ATS routes within FIR Wien below 9500 FT AMSL for NON RNAV equipped flights.

4. FLIGHT PLANNING AND ATC PROCEDURES

Within SAXFRA aircraft shall comply with the aircraft equipment requirements in GEN 1.5

Within SAXFRA Aircraft Operators will be able to flight plan user preferred trajectories in the applicable area between a defined FRA Horizontal Entry point (E) and a defined FRA Horizontal Exit point (X) with the possibility to route via defined FRA Intermediate points (I) according the table below taking into account respective RAD (Route Availability Document) restrictions.

From	To	Remark
FRA Horizontal Entry Point (E)	FRA Horizontal Exit Point (X)	Flight plan direct or via one or several intermediate points.
	FRA Arrival Connecting Point (A)	
	FRA Intermediate Point (I)	
FRA Departure Connecting Point (D)	FRA Horizontal Exit Point (X)	
	FRA Arrival Connecting Point (A)	
	FRA Intermediate Point (I)	
FRA Intermediate Point (I)	FRA Horizontal Exit Point (X)	
	FRA Arrival Connecting Point (A)	
	FRA Intermediate Point (I)	

Filing of LAT/LONG shall only be used to indicate a change in speed or level along the trajectories between defined SAXFRA significant points.
Filing of bearing and distance related to SAXFRA significant points is not permitted.
Segments between the significant points shall be defined by means of DCT (direct).
Within SAXFRA there is no limit on the maximum DCT distance.
Flights shall not be planned closer than 3NM to the published SAXFRA border.

Except for DCT segments defined in RAD Appendix 4, ATS Routes and SIDs/STARs:

- entry and exit from SAXFRA shall be planned using the published FRA Horizontal Entry and FRA Horizontal Exit points only
- the planning of DCT segments across the SAXFRA borders (cross border DCT) is not allowed
- the planning of DCT segments that are partially outside the lateral limits of SAXFRA (re-entry segments) is not allowed
- the planning of DCT segments closer than 3 NM to the SAXFRA border is not allowed

Flights may be planned through AMC manageable RSAs (Restricted Airspaces) according AUP/UUP (Airspace Use Plan/ Updated Airspace Use Plan) and the rules laid down in RAD Appendix 7:

- Flight plan filing through active Danger Areas and Restricted Areas is not permitted.
- Flight plan filing through active Military Training Areas is permitted.
  In case crossing is not possible airspace users shall expect tactical re-routing/vectoring by ATC.
  Maximum route extension will be approximately 5 NM.

Flight planning shall follow the ICAO semi-circular rule as described in ENR 1.7.

Flight planning for IFR flights within controlled airspace shall be executed in accordance with Slovenian Austrian Cross Border Free Route Airspace (SAXFRA) including Lowest Available Level (LAL) - Index Chart
(see Attachment 1).
SAXFRA chart assists airspace users to file according SAXFRA rules. Lowest Available Level (LAL) is a layer on the SAXFRA chart which enables airspace users to file the FPL ensuring obstacle clearance and to remain within controlled airspace.

Flight planning for IFR flights out of controlled airspace is permitted in accordance with local regulations.

Flight rule changes shall be indicated by reference to a significant point (nav aid or waypoint).

5. CONTACT DETAILS

For further information concerning this AIC and SAXFRA you may contact:

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6. ATTACHMENTS

- SAXFRA List of significant points
- Free Route Airspace Index Chart inclusive Lowest Available Level (LAL)

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Designator	coordinates
ABETI	474039.77N 0170046.23E
ABIRI	464545.01N 0145803.26E
ABISO	461544.61N 0142108.13E
ABLAT	452325.56N 0133734.14E
ABLOM	480403.24N 0170515.73E
ABRUK	472259.27N 0150023.87E
ABTAN	470649.00N 0142944.00E
ADAMA	475916.00N 0172029.00E
ADLET	483403.36N 0141757.42E
ADOMO	455816.44N 0143842.11E
AKIMA	482447.38N 0131837.49E
ALIVO	453124.38N 0144420.64E
AMADI	480528.74N 0125449.65E
ARGOM	454740.39N 0152538.52E
ARLON	462449.76N 0150147.15E
ARMIX	452856.86N 0141604.36E
ARNOS	463228.52N 0133409.52E
ARSIN	473401.96N 0164513.48E
ARTUS	472951.33N 0121612.96E
ASKOD	472308.01N 0155216.66E
BADIT	480952.00N 0125004.00E
BAGSI	480328.15N 0141722.98E
BARPI	453508.90N 0133122.31E
BARUG	475348.57N 0152119.93E
BEDOX	461557.74N 0154934.44E
BEGLA	474950.56N 0170651.94E
BERTA	462658.95N 0143730.85E
BIRGI	472052.00N 0115526.00E
BUGEV	452756.05N 0134624.39E
BUMUK	472408.25N 0133023.65E
BUSET	453006.38N 0141326.99E

Designator	coordinates
DEGUM	462757.11N 0134157.40E
DETSA	464809.00N 0121652.00E
DEXIT	484546.00N 0134233.00E
DIMLO	464100.56N 0162521.80E
DIPSA	463634.58N 0145520.08E
DITIS	485352.88N 0150658.90E
DIVAL	473317.67N 0160746.71E
DOL	460502.90N 0144642.87E
EBITI	460335.71N 0145907.89E
ELKAT	465927.62N 0135419.82E
EPODO	461145.57N 0140437.30E
EPOLA	472947.92N 0145315.59E
ERANI	474401.89N 0125710.92E
ERKIR	473216.00N 0120032.00E
ESEGA	481747.20N 0131053.29E
ETAKO	453907.82N 0135242.69E
EVAXI	464636.00N 0133111.00E
FMD	480618.41N 0163745.35E
GAMLI	475424.00N 0144644.00E
GASNA	475359.00N 0170759.00E
GBG	465313.16N 0154801.15E
GEDSO	470450.00N 0115213.00E
GEMKA	452813.08N 0141215.21E
GESGI	475007.54N 0162606.57E
GIMBO	484331.31N 0144632.99E
GIMIX	463122.76N 0134250.69E
GIRDA	452832.07N 0140802.23E
GISPO	480555.67N 0160746.32E
GOLVA	464231.57N 0153908.54E
GOMIG	480819.92N 0124141.29E
GORPA	454623.07N 0152111.67E

Designator	coordinates
GOTAR	465952.37N 0161329.15E
GOTRU	484342.88N 0142716.59E
GRZ	465719.32N 0152657.95E
GUKTU	481005.87N 0164537.68E
ILB	453356.11N 0141015.11E
INGID	471606.73N 0134106.67E
INLOX	471151.95N 0144521.40E
INPUL	475025.00N 0124430.00E
INSAX	470056.00N 0160451.00E
INSEL	470920.00N 0122419.00E
IRLIX	462521.02N 0154139.44E
KANIN	462625.67N 0133743.28E
KFT	463551.30N 0143344.35E
KIRDI	481227.64N 0124917.95E
KLAGY	463051.48N 0144630.61E
KOGEX	470647.69N 0151713.41E
KOVEL	484203.25N 0153549.50E
KOXER	480739.00N 0170254.00E
KUBUD	460333.00N 0133611.00E
KUMOM	473328.11N 0122218.15E
KUVEX	475430.00N 0172615.00E
LADAG	483520.33N 0150227.98E
LAMSI	483912.07N 0133500.39E
LANUX	485317.18N 0153656.84E
LAPNA	463207.79N 0153113.55E
LATLO	474101.61N 0124824.25E
LEDVA	484343.64N 0164721.10E
LEOBE	472149.28N 0150137.07E
LETLI	453809.12N 0152057.69E
LIMRA	475439.53N 0142652.02E
LIVDU	475249.48N 0160451.84E

Designator	coordinates
LNZ	481346.96N 0140611.36E
LOKVU	485228.98N 0155005.99E
LUGIM	481108.23N 0150632.48E
LUMUS	463524.37N 0140922.68E
LUPIX	460405.79N 0144535.13E
MAGAM	455821.61N 0154210.55E
MALUG	464222.00N 0123551.00E
MAREG	481125.76N 0165808.72E
MASUR	483112.35N 0152621.45E
MATIG	480330.93N 0133229.38E
MAXUR	454445.27N 0145437.12E
MEDEL	481226.00N 0134013.00E
MIKOV	484705.08N 0163715.61E
MILGO	471806.16N 0150529.94E
MODRO	460337.56N 0142203.47E
MODSA	473830.00N 0121356.00E
MORED	475234.87N 0130055.64E
MOTIX	481906.60N 0143508.32E
MOVOS	475440.60N 0162614.08E
MUREG	464224.25N 0154828.98E
NAKUM	464330.09N 0142104.72E
NANIT	472334.87N 0122047.17E
NATEX	474449.00N 0173000.00E
NAVTI	484610.60N 0161218.21E
NEMAL	475505.00N 0132954.00E
NEMEK	453428.80N 0151752.92E
NIDLO	464815.03N 0155944.16E
NIGSI	472209.00N 0160210.00E
NIPEL	462922.10N 0140157.35E
NUBRA	474435.05N 0135616.49E
NURMI	474010.00N 0145610.00E

Designator	coordinates
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OBUTI	462241.89N 0161626.58E
OGODI	455829.07N 0135343.67E
OGRUB	475456.92N 0135548.12E
OSPEN	472907.05N 0153138.71E
PABSA	483141.77N 0134417.30E
PENEP	460758.97N 0141755.49E
PEREX	473822.30N 0131437.53E
PESAT	474253.75N 0170311.37E
PESUT	461414.91N 0134258.33E
PETOV	461834.83N 0155834.20E
PIKIT	462613.45N 0142046.23E
PISAM	485334.49N 0152313.66E
PODET	461016.95N 0153736.47E
PUBEG	473040.48N 0153943.18E
RADLY	463848.69N 0151233.03E
RASTA	472943.54N 0132252.92E
REDBU	475721.19N 0124905.62E
REKLU	483515.00N 0165616.00E
REKTI	463504.34N 0135350.81E
RENKA	483505.43N 0133018.81E
RIFEN	455104.00N 0133523.00E
ROKSA	452942.06N 0150025.73E
ROLBA	455024.72N 0153918.19E
ROPAG	471249.04N 0154757.72E
ROPUS	460528.94N 0141131.09E
ROTAR	451546.00N 0125944.00E
RTT	472551.32N 0115624.19E
SABAD	452757.14N 0145202.93E
SASAL	471705.38N 0162827.54E
SBG	480009.30N 0125333.94E

Designator	coordinates
SETAL	471354.00N 0141532.00E
SIMBA	481348.55N 0130056.94E
SITNI	480315.22N 0145004.61E
SNU	475229.55N 0161718.37E
SOGTU	463111.73N 0142156.59E
SOVOX	455806.00N 0133550.00E
STEIN	472539.41N 0163558.95E
STO	482501.69N 0160106.94E
SUBEN	482611.12N 0132012.16E
SUNIS	470830.76N 0162058.60E
TAGAS	480238.35N 0153914.30E
TEKNO	473725.59N 0172432.07E
TIBRO	461306.00N 0132822.00E
TISKO	464056.98N 0155930.87E
TISMA	465431.73N 0140934.66E
TITIG	480332.00N 0123334.00E
TIVAP	484344.75N 0142338.23E
TOVKA	481612.56N 0165534.76E
TRAUN	475829.00N 0123515.00E
TUTIV	454230.69N 0134936.11E
UMBIL	472111.95N 0153604.21E
UMVEG	471241.83N 0115347.66E
UNKEN	474918.42N 0123603.59E
UPETA	460316.74N 0140553.72E
URAVA	462458.25N 0133156.30E
VALLU	461729.72N 0152010.74E
VAMET	464625.92N 0151827.72E
VANAX	460228.02N 0154353.17E
VAROB	473734.63N 0123219.05E
VATET	473603.43N 0140159.23E
VAXIS	470559.01N 0133750.89E

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Designator	coordinates
VEKEN	463349.03N 0132246.00E
VELOM	481315.96N 0132957.87E

Designator	coordinates
VENEN	483359.59N 0143228.84E
VERDA	473200.00N 0132000.00E

Designator	coordinates
VILAK	464147.01N 0135452.72E
WGM	481925.88N 0162927.43E

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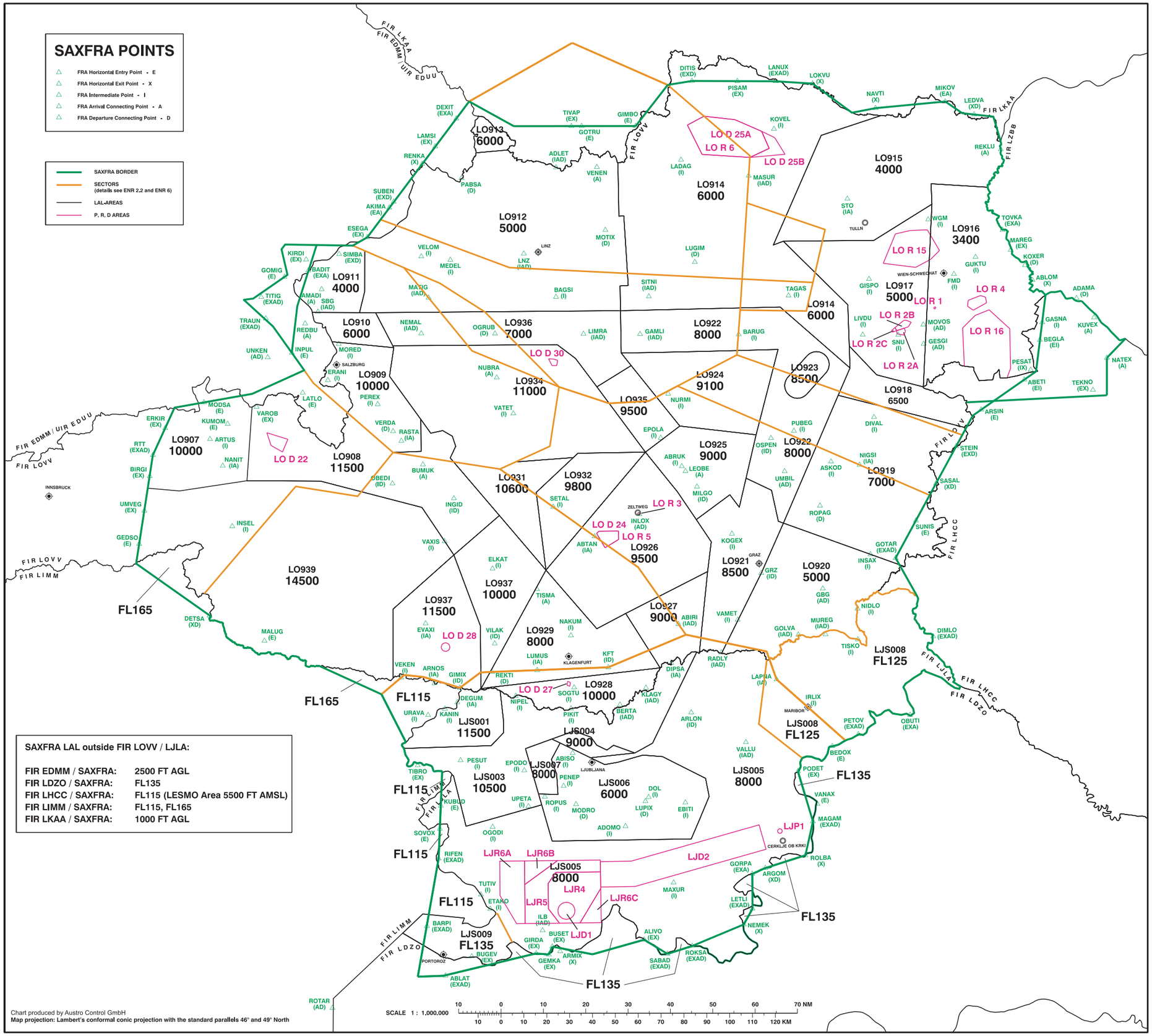
SAXFRA POINTS
FRA Horizontal Entry Point - E
FRA Horizontal Exit Point - X
FRA Intermediate Point - I
FRA Arrival Connecting Point - A
FRA Departure Connecting Point - D
SAXFRA BORDER
SECTORS (details see ENR 2.2 and ENR 6)
LAL-AREAS
P, R, D AREAS
LO913 6000
LO912 5000
LO914 6000
LO915 4000
LO916 3400
LO917 5000
LO911 4000
LO910 6000
LO936 7000
LO922 8000
LO909 10000
LO934 11000
LO924 9100
LO923 8500
LO918 6500
LO935 9500
LO907 10000
LO908 11500
LO925 9000
LO919 7000
LO931 10600
LO932 9800
LO926 9500
LO939 14500
LO921 8500
LO920 5000
LO937 10000
LO937 11500
LO927 9000
LO929 8000
LJS008 FL125
LO928 10000
LJS001 11500
LJS004 9000
LJS007 8000
LJS003 10500
LJS006 6000
LJS005 8000
LJS009 FL135
LO D 25A
LO R 6
LO D 25B
LO R 15
LO R 1
LO R 4
LO R 16
LO R 2B
LO R 2C
LO R 2A
LO D 30
LO D 22
LO R 3
LO D 24
LO R 5
LO D 28
LO D 27
LJP1
LJR6A
LJR6B
LJD2
LJR4
LJR5
LJR6C
LJD1
FL165
FL115
FL135
SAXFRA LAL outside FIR LOVV / LJLA:
FIR EDMM / SAXFRA: 2500 FT AGL
FIR LDZO / SAXFRA: FL135
FIR LHCC / SAXFRA: FL115 (LESMO Area 5500 FT AMSL)
FIR LIMM / SAXFRA: FL115, FL165
FIR LKAA / SAXFRA: 1000 FT AGL
Chart produced by Austro Control GmbH
Map projection: Lambert's conformal conic projection with the standard parallels 46° and 49° North
SCALE 1 : 1.000.000
70 NM
120 KM