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AIP Services

CH-8602 WANGEN BEI DÜBENDORF

AIRAC

AIP

AIRAC AMDT 010 2022

Effective Date 01 DEC 2022
Publication Date 20 OCT 2022

RMK

Filing instruction: Insert this AIRAC AMDT into AIP before inserting AMDT of same effective date, if issued.

1. Insert the following pages:

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Destroy the following pages:

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2. Record entry of amendment on page GEN 0.2

3. This AIP AMDT incorporates information contained in the following publications:

NOTAM: A0543/22

AIP SUP: NIL

AIC: NIL

Enroute chart: New version available on eAIP

4. Following SUP and AIRAC SUP are still in force on effective date:

Checklist SUP: NIL

Checklist AIRAC SUP: NIL

ENR 3.3 - 5/6	AIRAC 01 DEC 2022	ENR 3.3 - 5/6	AIRAC 16 JUN 2022
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006/2016	12-May-2016	23-Jun-2016	
007/2016	09-Jun-2016	21-Jul-2016	
008/2016	07-Jul-2016	18-Aug-2016	
009/2016	04-Aug-2016	15-Sep-2016	
010/2016	01-Sep-2016	13-Oct-2016	
011/2016	29-Sep-2016	10-Nov-2016	
012/2016	27-Oct-2016	08-Dec-2016	
001/2017	22-Dec-2016	02-Feb-2017	
002/2017	19-Jan-2017	02-Mar-2017	
003/2017	16-Feb-2017	30-Mar-2017	
004/2017	13-Apr-2017	25-May-2017	
005/2017	08-Jun-2017	20-Jul-2017	
006/2017	06-Jul-2017	17-Aug-2017	
007/2017	03-Aug-2017	14-Sep-2017	
008/2017	31-Aug-2017	12-Oct-2017	
009/2017	26-Oct-2017	07-Dec-2017	
001/2018	21-Dec-2017	01-Feb-2018	
002/2018	18-Jan-2018	01-Mar-2018	
003/2018	15-Feb-2018	29-Mar-2018	
004/2018	15-Mar-2018	26-Apr-2018	
005/2018	12-Apr-2018	24-May-2018	
006/2018	10-May-2018	21-Jun-2018	
007/2018	07-Jun-2018	19-Jul-2018	
008/2018	02-Aug-2018	13-Sep-2018	
009/2018	30-Aug-2018	11-Oct-2018	
010/2018	27-Sep-2018	08-Nov-2018	
011/2018	25-Oct-2018	06-Dec-2018	
001/2019	22-Nov-2018	03-Jan-2019	
002/2019	20-Dec-2018	31-Jan-2019	
003/2019	17-Jan-2019	28-Feb-2019	
004/2019	14-Feb-2019	28-Mar-2019	
005/2019	14-Mar-2019	25-Apr-2019	
006/2019	11-Apr-2019	23-May-2019	
007/2019	09-May-2019	20-Jun-2019	
008/2019	06-Jun-2019	18-Jul-2019	
009/2019	04-Jul-2019	15-Aug-2019	
010/2019	29-Aug-2019	10-Oct-2019	
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012/2019	24-Oct-2019	05-Dec-2019	

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001/2020	21-Nov-2019	02-Jan-2020	
002/2020	13-Feb-2020	26-Mar-2020	
003/2020	12-Mar-2020	23-Apr-2020	
004/2020	09-Apr-2020	21-May-2020	
005/2020	07-May-2020	18-Jun-2020	
006/2020	02-Jul-2020	13-Aug-2020	
007/2020	27-Aug-2020	08-Oct-2020	
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003/2021	11-Mar-2021	22-Apr-2021	
004/2021	08-Apr-2021	20-May-2021	
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GEN 2.2 ABBREVIATIONS USED IN AIS PUBLICATIONS

REF ICAO Doc 8400/4, PANS-ABC.

[ ] Within brackets: symbol of a unit of the international System of Units SI of a non-SI unit used in conjunction with the system

**** not in PANS-ABC***

† transmitted in RTF as a spoken word

A

A	Amber
A*	FRA arrival connecting point
A1A*	A2A, A3E, etc. Designation of typical radio-communication emissions
A/A	Air-to-air
AAA	*or* AAB, AAC etc. *in sequence*, Amended meteorological message
AAL	Above aerodrome level
AAU*	Airspace Allocation Unit
ABM	Abeam
ABN	Aerodrome beacon
ABV	Above
AC	Altocumulus
ACAS†	Airborne collision avoidance system
ACC	Area control centre *or* area control
ACCID	Notification of an aircraft accident
ACFT	Aircraft
ACK	Acknowledge
ACL	Altimeter check location
ACN	Aircraft classification number
ACT	Active *or* activated *or* activity
AD	Aerodrome
ADA	Advisory area
ADF	Automatic direction finding equipment
ADIZ†	Air defence identification zone
ADJ	Adjacent
ADR	Advisory route
ADS-B*	Automatic dependent surveillance-broadcast
ADS-C*	Automatic dependent surveillance - contract
ADVS	Advisory service
ADZ	Advise
AES	Aircraft earth station
AFIL	Flight plan filed in the air
AFIS	Aerodrome flight information service
AFS	Aeronautical fixed service
AFTN	Aeronautical fixed telecommunication network
A/G	Air-to-ground
AGA	Aerodromes, air routes and ground aids
AGL	Above ground level
AGN	Again
AIC	Aeronautical information circular
AIP	Aeronautical information publication
AIRAC	Aeronautical information regulation and control
AIREP†	Air-report
AIS	Aeronautical information services
ALA	Alighting area
ALERFA†	Alert phase
ALR	Alerting (message type designator)
ALRS	Alerting service
ALS	Approach lighting system
ALT	Altitude
ALTN	Alternate *or* alternating *(light alternates in colour)*
ALTN	Alternate (aerodrome)
AMA	Area minimum altitude
AMC*	Airspace management cell
AMD	Amend *or* amended
AMDT	Amendment *(AIP amendment)*
AMS	Aeronautical mobile service
AMSL	Above mean sea level
ANS	Answer
AOC	Aerodrome obstacle chart
AP	Airport
APAPI†	Abbreviated precision approach path indicator
APCH	Approach
APP	Approach control office *or* approach control *or* approach control service
APP*	Appendix
APR	April
APRX	Approximate *or* approximately
APSG	After passing
APV	Approve *or* approved *or* approval
APV*	Approach with vertical guidance
ARNG	Arrange
ARO	Air traffic services reporting office
ARP	Aerodrome reference point
ARR	Arrive *or* arrival
ARR	Arrival *(message type designator)*
AS	Altostratus
ASDA	Accelerate-stop distance available
A-SMGCS*	Advanced surface movement guidance and control system
ASP*	Airspace
ASPH	Asphalt
ASTA*	Climatological station
ATA	Actual time of arrival
ATC	Air traffic control *(in general)*
ATD	Actual time of departure
ATFM	Air traffic flow management
ATIS†	Automatic terminal information service
ATM	Air traffic management
ATN	Aeronautical telecommunication network

ATS	Air traffic services
ATZ	Aerodrome traffic zone
AUG	August
AUTH	Authorize *or* authorization
AUW	All up weight
AVBL	Available
AVGAS†	Aviation gasoline
AWY	Airway
AZM	Azimuth

B

B	Blue
BA	Braking action
BASE†	Cloud base
BARO-VNAV*†	Barometric vertical navigation (to be pronounced "BAA-RO-VEE-NAV")
BAZL*	Federal Office of Civil Aviation (FOCA, OFAC, UFAC)
BCFG	Fog patches
BCN	Beacon *(aeronautical ground light)*
BCST	Broadcast
BDRY	Boundary
BFR	Before
BKN	Broken
BL ...	Blowing *(follow by DU = dust, SA = sand or SN = snow)*
BLDG	Building
BLO	Below clouds
BLW	Below...
BOMB	Bombing
BR	Mist
BRG	Bearing
BRKG	Braking
B-RNAV*†	Basic RNAV*†
BS	Commercial broadcasting station
BTN	Between
BUFR*	Binary universal form for the representation of meteorological data

C

C [°C]	Degrees Celsius
C	Centre *(runway identification)*
CAG*	General Aviation Centre (GAC)
CAT	Clear air turbulence
CAT	Category *(in CAT I, II, III operations)*
CAVOK†	Visibility, cloud and present weather better than prescribed values *or* conditions (KAV-OH-KAY)
CB	(to be pronounced „CEE BEE") Cumulonimbus
CBA*	Cross border area
CC	Cirrocumulus
CCA	*or* CCB, CCC, *etc. in sequence*, Corrected meteorological message
CD	Candela
CDR*	Conditional route
CF	Change frequency to
CGL	Circling guidance light(s)
CH	Channel
CHEM*	Chemical
CHG	Modification *(message type designator)*
CI	Cirrus
CIDIN†	Common ICAO data interchange network
CIV	Civil
CK	Check
CL	Centre line
CLD	Cloud
CLG	Calling
CLR	Clear *or* cleared to *or* clearance
CLSD	Close *or* closed *or* closing
CM [cm]	Centimetre
CMB	Climb to *or* climbing to
CMPL	Completion *or* completed *or* complete
CNL	Cancel *or* cancelled
CNL	Flight plan cancellation *(message type designator)*
CNS	Communications, navigation and surveillance
COM	Communications
CONC	Concrete
COND	Condition
CONS	Continuous
CONST	Construction *or* constructed
CONT	Continue(s) *or* continued
COORD	Coordinates
COP	Change-over point
COR	Correct *or* corrected *or* correction
COTSENA*	(= KOSIF)
COTSINA*	(= KOSIF)
COV	Cover *or* covered *or* covering
CPDLC	Controller-pilot data link communications
CPL	Current flight plan *(message type designator)*
CRS*	Course
CRZ	Cruise
CS	Call sign
CS	Cirrostratus
CTA	Control area
CTAM	Climb to and maintain
CTC	Contact
CTL	Control
CTN	Caution
CTR	Control zone
CU	Cumulus
CUST	Customs
CWY	Clearway

D

D...	Danger area *(followed by identification)*
D	Downward *(tendency in RVR during previous 10 minutes)*
D*	FRA departure connecting point
DA	Decision altitude
DABS*	Daily Airspace Bulletin Switzerland
DCT	Direct *(in relation to flight plan clearances and type of approach)*
DEC	December
DEG [°]	Degrees
DEL*	Delivery, issuance (ATC clearance)
DEP	Depart *or* departure
DEP	Departure *(message type designator)*
DEPO*	Deposition
DER	Departure end of the runway
DES	Descend to *or* descending to
DEST	Destination
DETRESFA†	Distress phase
DEV	Deviation *or* deviating
DFTI	Distance from touchdown indicator
DH	Decision height
DIF	Diffuse
DIST	Distance
DIV	Divert *or* diverting
DLA	Delay *or* delayed
DME	Distance measuring equipment
DNG	Danger *or* dangerous
do/id.*	ditto/idem
DOC*	Designated operational coverage (range and height)
DOM	Domestic
DP	Dew point temperature
DPT	Depth
DR	Dead reckoning
DR ...	Low drifting *(follow by DU = dust, SA = sand or SN = snow)*
DRG	During
DS	Duststorm
DTAM	Descend to and maintain
DTG	Date-time group
DTHR	Displaced runway threshold
DTW	Dual tandem wheels
DU	Dust
DUC	Dense upper cloud
DUR	Duration
DVOR	Doppler VOR
DW	Dual wheels
DZ	Drizzle

E

E	East *or* eastern longitude
E*	FRA horizontal entry point
EAT	Expected approach time
EB	Eastbound
EET	Estimated elapsed time
EFB*	Electronic flight bag
EFC	Expect further clearance
ELBA†	Emergency location beacon-aircraft
ELEV	Elevation
ELT	Emergency location transmitter
EM	Emission
EMBD	Embedded in a layer *(to indicate cumulonimbus embedded in layers of other clouds)*
EMERG	Emergency
En*	English
END	Stop-end *(related to RVR)*
ENE	East-north-east
ENG	Engine
ENR	En route
EOBT	Estimated off-block time
EQPT	Equipment
ENRC	Enroute chart
ENRC-FRA*	Enroute chart -Free Route Airspace
ESE	East-south-east
EST	Estimate *or* estimated *or* estimation *(message type designator)*
ETA	Estimated time of arrival *or* estimating arrival
ETD	Estimated time of departure *or* estimating departure
ETE*	Summer *(summer time period)*
ETO	Estimated time over significant point
EUR RODEX*	European regional OPMET data exchange
EV	Every
EVS*	Enhanced vision system
EXC	Except
EXER	Exercise(s) *or* exercising *or* to exercise
EXP	Expect *or* expected *or* expecting
EXTD	Extend *or* extending

F

F	Fixed
FAC	Facilities
FAF	Final approach fix
FAL	Facilitation of international air transport
FAP	Final approach point
FATO	Final approach and take-off area
FAX	Facsimile transmission
FCST	Forecast
FCT	Friction coefficient
FEB	February
FG	Fog
FIC	Flight information centre
FIR	Flight information region
FIS	Flight information service
FISA	Automated flight information service

FIZ*	Flight Information Zone
FL	Flight level
FLD	Field
FLG	Flashing
FLT	Flight
FLW	Follow(s) *or* following
FM ...	From *(followed by time weather change is forecast to begin)*
FMU	Flow management unit
FOCA*	Federal Office of Civil Aviation (BAZL, OFAC, UFAC)
FPL	Filed flight plan *(message type designator)*
FPM [ft/min]	Feet per minute
FPR	Flight plan route
Fr*	French
FR	Fuel remaining
FRA	Free Route Airspace
FREQ	Frequency
FRI	Friday
FRNG	Firing
FRONT†	Front *(relating to weather)*
FSS	Flight service station
FT [ft]	Feet *(dimensional unit)*
FU	Smoke
FZ	Freezing
FZDZ	Freezing drizzle
FZFG	Freezing fog
FZRA	Freezing rain

G

G	Green
G/A	Ground-to-air
GAC*	General Aviation Centre (CAG)
GAFOR*	General aviation forecast
GAIN	Airspeed or headwind gain
GBAS†	Ground-based augmentation system (to be pronounced “GEE-BAS”)
GCA	Ground controlled approach system *or* ground controlled approach
Ge*	German
GEN	General
GEO	Geographic *or* true
GES	Ground earth station
GLD	Glider
GLS	GBAS landing system
GND	Ground
GNDCK	Ground check
GNSS	Global navigation satellite system
GP	Glide path
GR	Hail
GRASS	Grass landing area
GRVL	Gravel
GS	Ground speed
GS	Small hail *and/or* snow pellets
GUND	Geoid undulation

H

H24	Continuous day and night service
HAPI	Helicopter approach path indicator
HBN	Hazard beacon
HDG	Heading
HEL	Helicopter
HEMS*	Helicopter Emergency Medical Service
HF	High frequency (3000 to 30’000 kHz)
HGT	Height *or* height above
HIV*	Winter *(standard time period CET)*
HJ	Sunrise to sunset
HLDG	Holding
HN	Sunset to sunrise
HO	Service available to meet operational requirements
HOL	Holiday
HOSP	Hospital aircraft
HPA [hPa]	Hectopascal
HR [h]	Hours
HRH*	Day and night limit hours (REF GEN 2.7
HRP	Heliport reference point
HS	Service available during hours of scheduled operations
HUD	Head-up display
HVY	Heavy
HX	No specific working hours
HYR	Higher
HZ	Haze
HZ [Hz]	Hertz

I

I*	FRA intermediate point
IAC	Instrument approach chart
IAF	Initial approach fix
IAR	Intersection of air routes
IAS	Indicated airspeed
IBN	Identification beacon
IC	Ice crystals *(very small ice crystals in suspension, also known as diamond dust)*
ICAO*	International Civil Aviation Organization
ID	Identifier *or* identify
IDENT†	Identification
IF	Intermediate approach fix
IFF	Identification friend/foe
IFR	Instrument flight rules
IGS*	Instrument guidance system
ILS	Instrument landing system
IM	Inner marker
IMC	Instrument meteorological conditions

IMG	Immigration
INA	Initial approach
INBD	Inbound
INCERFA†	Uncertainty phase
INFO†	Information
INOP	Inoperative
INS	Inertial navigation system
INT	Intersection
INTL	International
INTST	Intensity
IR	Ice on runway
ISA	International standard atmosphere
It*	Italian

J

JAA*	Joint Aviation Authorities
JAN	January
JTST	Jet stream
JUL	July
JUN	June

K

KG [kg]	Kilograms
KHZ [kHz]	Kilohertz
KM [km]	Kilometres
KMH [km/h]	Kilometres per hour
KOSIF*	Coordination office for firings and safety of air navigation
KPA [kPa]	Kilopascal
KT [kt]	Knots
KW [kw]	Kilowatts

L

L	Left *(runway identification)*
L	Locator (LO)
LAT [°]	Latitude
LC*	Landing chart
LCA	Locally *or* local *or* location *or* located
LDA	Landing distance available
LDAH	Landing distance available, helicopter
LDG	Landing
LDI	Landing direction indicator
LEN	Length
LF	Low frequency (30 to 300 kHz)
LFHK*	Chart of Air Navigation Obstacles (ONAV)
LFN*	Low Flight Network
LGT	Light *or* lighting
LGTD	Lighted
LIH	Light intensity high
LIL	Light intensity low
LIM	Light intensity medium
LM	Locator, middle
LMT	Local mean time
LNAV	Lateral navigation
LO	Locator, outer
LOC	Localizer
LONG [°]	Longitude
LOSS	Airspeed or headwind loss
LPV	Localizer performance with vertical guidance
LT*	Swiss time/local time
LTD	Limited
LTT	Landline teletypewriter
LV	Light and variable *(relating to wind)*
LVE	Leave *or* leaving
LVL	Level
LVO*	Low visibility operations
LVP	Low visibility procedures

M

M [m]	Metres *(preceded by figures)*
M	Mach number *(followed by figures)*
MA*	Chart of air masses
MAA	Maximum authorized altitude
MAG	Magnetic
MAINT	Maintenance
MAP	Aeronautical maps and charts
MAPT	Missed approach point
MAR	March
MAX	Maximum
MAY	May
MCA	Minimum crossing altitude
MDA	Minimum descent altitude
MDH	Minimum descent height
MEA	Minimum en-route altitude
MEHT	Minimum eye height over threshold *(for VASIS)*
MET†	Meteorological *or* meteorology
METAR†	Aerodrome routine meteorological report *(in aeronautical meteorological code)*
MF	Medium frequency (300 to 3’000 kHz)
MHZ [MHz]	Megahertz
MID	Mid-point *(related to RVR)*
MIL	Military
MIN [min]	Minutes
MKR	Marker radio beacon
MLAT*	Multilateration
MLS	Microwave landing system
MM	Middle marker
MNM	Minimum
MNT	Monitor *or* monitoring *or* monitored
MOA	Military operating area
MOC	Minimum obstacle clearance *(required)*
MOCA	Minimum obstacle clearance altitude
MON	Monday
MPS [m/s]	Metres per second
MRA	Minimum reception altitude
MRP	ATS/MET reporting point
MS	Minus
MSA	Minimum sector altitude
MSG	Message

MSL	Mean sea level
MT	Mountain
MTOM*	Maximum take-off mass
MWO	Meteorological watch office

N

N	North *or* northern latitude
N	No distinct tendency *(in RVR during previous 10 minutes)*
NAT	North Atlantic
NAV	Navigation
NB	Northbound
NBFR	Not before
NC	No change
NDB	Non-directional radio beacon
NE	North-east
NEB	North-eastbound
NEG	No *or* negative *or* permission not granted *or* that is not correct
NGT	Night
NIL†	None *or* I have nothing to send to you
NM [M]	Nautical miles
NML	Normal
NN	No name, unnamed
NNE	North-north-east
NNW	North-north-west
NOF	International NOTAM office
NOSIG†	No significant change *(used in trend-type landing forecasts)*
NOTAM†	A notice containing information concerning the establishment, condition *or* change in any aeronautical facility, service, procedure *or* hazard, the timely knowledge of which is essential to personnel concerned with flight operations
NOV	November
NR	Number
NRH	No reply heard
NS	Nimbostratus
NSC	Nil significant cloud
NSW	Nil significant weather
NVFR*	VFR by night
NW	North-west
NWB	North-westbound

O

OACI*	ICAO
OAS	Obstacle assessment surface
OBS	Observe *or* observed *or* observation
OBST	Obstacle
OCA	Obstacle clearance altitude
OCC	Occulting *(light)*
OCH	Obstacle clearance height
OCNL	Occasional *or* occasionally
OCS	Obstacle clearance surface
OCT	October
OFAC*	Federal Office of Civil Aviation (BAZL, FOCA, UFAC)
OHD	Overhead
OM	Outer marker
ONAV*	Air Navigation Obstacle Chart including Glider Flying Information (LFHK)
OPMET†	Operational meteorological (*information)*
OPN	Open *or* opening *or* opened
OPR	Operator *or* operate *or* operative *or* operating *or* operational
OPS†	Operations
O/R	On request
OTS	Organized track system
OUBD	Outbound

P

P ...	Prohibited area *(followed by identification)*
PALS	Precision approach lighting system *(specify CAT)*
PANS	Procedures for air navigation services
PAPI†	Precision approach path indicator
PAR	Precision approach radar
PARL	Parallel
PAX	Passengers
PBN	Performance-based navigation
PCD	Proceed *or* proceeding
PCN	Pavement classification number
PDG	Procedure design gradient
PER	Performance
PERM	Permanent
PJE	Parachute jumping exercise
PLN	Flight plan
PLVL	Present level
PN	Prior notice required
POB	Persons on board
POSS	Possible
PPI	Plan position indicator
PPR	Prior permission required
PPSN	Present position
PRI	Primary
PRKG	Parking
P-RNAV*†	Precision RNAV
PROB†	Probability
PROC	Procedure
PROV	Provisional
PS	Plus
PSG	Passing
PSN	Position
PSP	Pierced steel plank
PTN	Procedure turn

PTS	Polar track structure
PWR	Power

Q

QDM	Magnetic heading *(zero wind)*
QDR	Magnetic bearing
QFE	Atmospheric pressure at aerodrome elevation *(or at runway threshold)*
QFU	Magnetic orientation of runway
QNH	Altimeter sub-scale setting to obtain elevation when on the ground
QTE	True bearing

R

R	Red
R	Right *(Runway identification)*
R ...	Restricted area *(followed by identification)*
R ...*	VOR Radial *(followed by number of degrees)*
RA	Rain
RAC	Rules of the air and air traffic services
RAD*	Route Availability Document
RAFC*	Regional area forecast centre
RB	Rescue boat
RCC	Rescue coordination centre
RCF	Radiocommunication failure *(message type designator)*
RCH	Reach *or* reaching
RCL	Runway centre line
RCLL	Runway centre line light(s)
RCLR	Recleared
RCP	Required communication performance
RDH	Reference datum height
RDL	Radial
RDO	Radio
RE ...	Recent *(used to qualify weather phenomena,e.g. RERA = recent rain)*
REC	Receive *or* receiver
REDL	Runway edge light(s)
REF	Reference to... *or* refer to...
REG	Registration
RENL	Runway end light(s)
REP	Report *or* reporting *or* reporting point
REQ	Request *or* requested
RERTE	Re-route
RESA	Runway end safety area
RETIL*	Rapid Exit Taxiway Indicator Lights
RF	Constant radius arc to a fix
RFP*	Replacement *or* replaced flight plan
RG	Range (lights)
RGL*	Runway Guard Light
RIF	Reclearance in flight
RL	Report leaving
RLA	Relay to...
RLLS	Runway lead-in lighting system
RMK	Remark
RMZ	Radio Mandatory Zone
RNAV†	Area navigation (to be pronounced AR NAV)
RNG	Radio range
RNP	Required navigation performance
ROBEX†	Regional OPMET bulletin exchange (scheme)
ROC	Rate of climb
ROD	Rate of descent
RON	Receiving only
RPL	Repetitive flight plan
RPLC	Replace *or* replaced
RPS	Radar position symbol
RR	Report reaching
RRA	*(or RRB, RRC, etc. in sequence)* Delayed meteorological message *(message type designator)*
RSC	Rescue sub-centre
RSCD	Runway surface condition
RSP	Responder beacon
RTD	Delayed *(used to indicate delayed meteorological* message; message type designator)
RTE	Route
RTF	Radiotelephone
RTG	Radiotelegraph
RTHL	Runway threshold light(s)
RTIL*	Runway threshold identification light(s)
RTS	Return to service
RTT	Radioteletypewriter
RTZL	Runway touchdown zone light(s)
RUT	Standard regional route transmitting frequencies
RV	Rescue vessel
RVR	Runway visual range
RVSM	Reduced vertical separation minimum
RWY	Runway

S

S	South *or* southern latitude
S1 - S5*	Ground service
SALS	Simple approach lighting system
SAN	Sanitary
SAR	Search and rescue
SARPS	Standards and Recommended Practices (ICAO)
SAT	Saturday
SB	Southbound
SBAS†	Satellite-based augmentation system (to be pronounced “ESS-BAS”)
SC	Stratocumulus

SCT	Scattered
SE	South-east
SEB	South-eastbound
SEC [s]	Seconds
SECT	Sector
SELCAL†	Selective calling system
SEP	September
SER	Service *or* servicing *or* served
SFC	Surface
SFR*	Special flight route
SG	Snow grains
SGL	Signal
SH ...	Showers *(followed by RA = rain, SN = snow, PL = ice pellets, GR = hail, GS = small hail and/or snow pellets or combinations thereof, e.g. SHRASN = showers of rain and snow)*
SHF	Super high frequency (3'000 to 30'000 MHz)
SID†	Standard instrument departure
SIGMET†	Information concerning en-route weather phenomena which may affect the safety of aircraft operations
SIWL	Single isolated wheel load
SKED	Schedule *or* scheduled
SLP	Speed limiting point
SMR	Surface movement radar
SN	Snow
SNOWTAM†	A special series NOTAM notifying the presence *or* removal of hazardous conditions due to snow, ice, slush *or* standing water associated with snow, slush and ice on the movement area, by means of a specific format
SPECI†	Aviation selected special weather report *(in aeronautical meteorological code)*
SPECIAL†	Local special meteorological report *(in abbreviated plain language)*
SPL	Supplementary flight plan *(message type designator)*
SPOC	SAR point of contact
SPOT†	Spot wind
SQ	Squall
SR	Sunrise
SRA	Surveillance radar approach
SRE	Surveillance radar element of precision approach radar system
SRG	Short range
SRR	Search and rescue region
SRY	Secondary
SS	Sunset
SSB	Single sideband
SSE	South-south-east
SSR	Secondary surveillance radar
SST	Supersonic transport
SSW	South-south-west
ST	Stratus
STA	Straight-in approach
STAR†	Standard instrument arrival
STD	Standard
STN	Station
STOL	Short take-off and landing
STS	Status
STWL	Stopway light(s)
SUBJ	Subject to
SUN	Sunday
SUP	Supplement *(AIP Supplement)*
SVC	Service message
SVCBL	Serviceable
SVFR*	Special VFR
SVID*	Standard visual/instrument departure
SW	South-west
SWB	South-westbound
SWY	Stopway

T

T	Temperature
...T	True *(preceded by a bearing to indicate reference to True North)*
TA	Transition altitude
TACAN†	UHF tactical air navigation aid
TAF†	Aerodrome forecast
TAIL†	Tail wind
TAS	True airspeed
TAX	Taxiing *or* taxi
TC	Terminal control centre*
TCU	Towering cumulus
TDZ	Touchdown zone
TEL	Telephone
TEMPO†	Temporary *or* temporarily
TFC	Traffic
TGL*	Temporary guidance leaflet
TGS	Taxiing guidance system
THR	Threshold
THRU	Through
THU	Thursday
TIL†	Until
TIP	Until past... (place)
TKOF	Take-off
TL ...	Till *(followed by time by which weather change is forecast to end)*
TLOF	Touchdown and lift-off area
TMA	Terminal control area
TMM*	Transmissometer (RVR)
TMZ	Transponder Mandatory Zone
TNA	Turn altitude
TNH	Turn height
TOC	Top of climb
TODA	Take-off distance available
TODAH	Take-off distance available, helicopter
TOP†	Cloud top

TOBT*	Target off block time
TORA	Take-off run available
TOX	Toxic
TP	Turning point
TR	Track
TRA*	Temporary reserved area
TRANS	Transmits *or* transmitter
TREND†	Trend forecast
TRL	Transition level
TS	Thunderstorm *(in aerodrome reports and forecasts, TS used alone means thunder heard but no precipitation at the aerodrome)*
TS ...	Thunderstorm *(followed by RA = rain, SN = snow, PL = ice pellets, GR = hail, GS = small hail and/or snow pellets or combinations thereof, e.g. TSRASN = thunderstorm with rain and snow)*
TSA*	Temporary Segregated Area (LS-T..)
TT	Teletypewriter
TUE	Tuesday
TURB	Turbulence
TVOR	Terminal VOR
TWIL*	Twilight
TWR	Aerodrome control tower *or* aerodrome control
TWY	Taxiway
TX*	Telex
TYP	Type of aircraft
TZL*	(Simple) Touchdown zone light (Explanation see AIP LSZB, LSZA, LSZR: AD 2.14 - Footnote)

U

U	Upward *(tendency in RVR during previous 10 minutes)*
U2*	U3 etc. MET charts
UA	Unmanned aircraft
UAC	Upper area control centre
UAR	Upper air route
UAS	Unmanned aircraft system
UDF	Ultra high frequency direction-finding station
UFAC*	Federal Office of Civil Aviation (BAZL, FOCA, OFAC)
UFN	Until further notice
UHDT	Unable higher due to traffic
UHF	Ultra high frequency (300 to 3’000 MHz)
UIR	Upper flight information region
UNA	Unable
UNAP	Unable to approve
UNCAT*	Uncategorised
UNL	Unlimited
UNREL	Unreliable
U/S	Unserviceable
UTA	Upper control area
UTC	Coordinated universal time

V

VAC	Visual approach chart
VAN	Runway control van
VAR	Magnetic variation
VASIS	Visual approach slope indicator systems
VC	Vicinity of the aerodrome *(followed by FG = fog, FC = funnel cloud, PO = dust/sand whirls, BLDU = blowing dust, BLSA = blowing sand or BLSN = blowing snow, TS = thunderstorm or VA = volcanic ash, e.g. VC FG = vicinity fog)*
VCY	Vicinity
VDF	Very high frequency direction-finding station
VER	Vertical
VFG*	VFR Flight Guide *(in VFR Manual)*
VFR	Visual flight rules
VHF	Very high frequency (30 to 300 MHz)
VIS	Visibility
VLF	Very low frequency (3 to 30 kHz)
VMC	Visual meteorological conditions
VNAV†	Vertical navigation (to be pronounced “VEE-NAV”)
VOLMET†	Meteorological information for aircraft in flight
VOR	VHF omnidirectional radio range
VORTAC†	VOR and TACAN combination
VOT	VOR airborne equipment test facility
VPT	Visual manoeuvre with prescribed track
VRB	Variable
VSP	Vertical speed
VTOL	Vertical take-off and landing

W

W	West *or* western longitude
W	White
WAC	World Aeronautical Chart ICAO 1:1 000 000 (followed by name/title)
WAFC	World area forecast centre
WB	Westbound
WBAR	Wing bar lights
WDI	Wind direction indicator
WDSPR	Widespread
WED	Wednesday
WEF	With effect from *or* effective from
WGS-84	World Geodetic System-1984
WID	Width
WIE	With immediate effect *or* effective

	immediately
WILCO†	Will comply
WIP	Work in progress
WKN	Weaken *or* weakening
WNW	West-north-west
WO	Without
WPT	Way-point
WRNG	Warning
WS	Wind shear
WSW	west-south-west
WT	Weight
WX	Weather

X

X	Cross
X*	FRA horizontal exit point
XBAR	Crossbar (of approach lighting system)
XNG	Crossing

Y

Y	Yellow
YCZ	Yellow caution zone (runway lighting)
YR	Your

Z

Z	Coordinated universal time *(in meteorological messages)*

GEN 3.2 AERONAUTICAL CHARTS

1. Responsible service

Post: skyguide
swiss air navigationservices ltd.
AIP Services
P.O. Box 23
CH-8602 Wangen bei Dübendorf
Phone: +41 (0) 43 931 61 68

Email: aip@skyguide.ch

2. Maintenance of charts

Post: skyguide
swiss air navigation services ltd.
AIP Services
P.O. Box 23
CH-8602 Wangen bei Dübendorf
Phone: +41 (0) 43 931 61 68

Email: aip@skyguide.ch

3. Purchase arrangements

Charts can be procured from:
Post: AIP-Versand
P.O. Box
CH-3052 Zollikofen
Phone: +41 (0) 31 910 32 56 (0730 - 1200 LT)
Fax: +41 (0) 31 910 33 35
Email: aipversand@skyguide.ch

4. Aeronautical Chart series available

a. Aerodrome Charts - ICAO
b. Aerodrome Obstacle Charts - ICAO
c. Precision Approach Terrain Charts - PATC ICAO
d. Enroute Chart ENRC/ENRC-FRA - ICAO
e. STAR/SID Charts - ICAO
f. Instrument Approach Charts - IAC
g. Visual Approach Charts - VAC
h. Aeronautical Chart-ICAO 1:500 000 2253-B, Switzerland

4.1 General description of each available chart series

4.1.1 Aerodrome charts - ICAO, AD 2.24

Charts drawn with variable scale.

4.1.2 Aerodrome Obstacle Charts - ICAO, AD 2.24

AOC are published only for ADs used by international air transport. The charts show the obstacles in the TKOF FLT path areas.
Scale: 1:20 000; Type A.

4.1.3 Precision Approach Terrain Charts - PATC ICAO

Precision APCH terrain charts are published for Genève and Zurich APs.
Horizontal scale: 1:2 500, resp. 1:5 000;
VER scale: 1:500.

4.1.4 Enroute Chart ENRC/ENRC-FRA - ICAO, AD 2.24, ENR 6

The chart provides aeronautical information for IFR navigation in the lower and upper airspace.

Scale: 1:500 000.

4.1.5 STAR/SID Charts - ICAO, AD 2.24

ARR and DEP routes are shown separately, the latter being supplemented by explanatory texts.
Charts drawn with variable scale.

4.1.6 Instrument Approach Charts - IAC, AD 2.24

Charts drawn with variable scale; Format: A4.

4.1.7 Visual Approach Charts - VAC (REF: VFR Manual, MAP 2)

4.1.8 Aeronautical Chart-ICAO 1:500 000 2253-B Switzerland (REF: VFR Manual, MAP 2)

5. List of aeronautical charts available

Title	Scale	Series	Price per sheet	Edition Date
Enroute Chart[1]	1:500 000	ENRC/ENRC-FRA	see RMK 1	
2253-B SWITZERLAND[2] REF: VFR Manual, MAP 2	1:500 000	ICAO	see RMK 2	
Zurich / Geneva Area Chart[2]	1:250 000	---	see RMK 2	

1. RMK: URL: http://www.skyguide.ch/en/services/aim-services/
2. RMK: The chart can be procured from map selling agents of: The Federal Office of Topography, Seftigenstrasse 264, CH-3084 Wabern, TEL: +41 (0) 58 469 01 11 / URL: http://www.swisstopo.admin.ch

Aeronautical charts not in the AIP

Title	Scale	Series	Price per sheet	Date
SEGELFLUGKARTE, GLDK SCHWEIZ CARTE VOL À VOILE, GLDC SUISSE CARTA VOLO A VELA, GLDC SVIZZERA	1:300 000		see RMK	
LUFTFAHRTHINDERNISKARTE	1:100 000		see RMK	
RMK: These charts can be procured from map selling agents of: The Federal Office of Topography, Seftigenstrasse 264, CH-3084 Wabern, TEL: +41 (0)31 963 23 93. URL: http://www.swisstopo.admin.ch				

6. Index to the World Aeronautical Chart (WAC) - ICAO 1:1 000 000

NIL

7. Topographical charts

”Luftfahrthinderniskarte 1:100 000” and subscription to ”Flughindernismeldungen”
In agreement with the Federal Office for Air Force Logistics, FOCA publishes the civil edition of the ”Luftfahrthinderniskarte 1:100 000” (national map) and its related ”Flughindernismeldungen” (obstacle-notice). These documents may be obtained by HEL pilots and other interested persons upon payment.

GEN 3.3 AIR TRAFFIC SERVICES

1. Responsible service

1.1 Responsible authority

FOCA exercises direct authority over the Swiss ATS (REF: GEN 1.1., § 1 for postal address).

skyguide, Swiss Air Navigation Services Ltd. is charged with the provision of the ATS in accordance with the ordinance "Verordnung über den Flugsicherungsdienst (VFSD)" (18 DEC 1995: SR 748.132.1). This concerns in particular:

ACC service	within Swiss and ADJ foreign airspace (as agreed inter-governmentally).
APP and DEP control service	for the ADs of LSGG, LSZB and LSZH, as well as LSGC, LSGS, LSZG and service LSZR.
TWR service	at the ADs of LSGG, LSGC, LSGS, LSZA, LSZB, LSZC, LSZG, LSZL, LSZR, LSZH.
ATFM	within Swiss and ADJ foreign airspace (as agreed inter-governmentally).

At some other ADs, different units operate certain ATS.

1.2 Applicable documents

The common rules of the air and operational provisions regarding services and procedures in air navigation according to Implementing Regulation (EU) No 923/2012 (Standardised European Rules of the Air) are applicable.

ICAO SARPS are applicable within the area of responsibility of the Swiss ATS.
ICAO Annex 2, Rules of the air
Differences will be published later.
ICAO Annex 11, Air traffic services
No differences
ICAO Doc 4444-ATM/501, Procedures for Air Navigation Services(PANS-ATM)
Wake turbulences, Separation prescriptions REF: ENR 1.5.4.
Clearance to descend subject to maintaining own separation while in VMC REF: ENR 1.5.2.5
Visual DEP REF: ENR 1.5.3.2
Instructions for the CMPL of the flight plan form REF: ENR 1.10.
ICAO Doc 7030, Regional supplementary procedures
No differences
ICAO Doc 8168 - OPS/611, Aircraft operations
Differences will be published later.

2. Area of responsibility

The area of responsibility of the Swiss ATS comprises the FIR/UIR Switzerland consisting of the Swiss territory, the airspace of the Principality of Liechtenstein and parts of the ADJ foreign airspace of Germany, France and Austria.

In addition to the FIR/UIR Switzerland, the area of responsibility additionally covers parts of ADJ foreign airspace, for which the provision of the ATS has been delegated to Swiss ATC units on the basis of agreements with the appropriate foreign units. The provision of ATS is delegated for specific parts of the FIR/UIR Switzerland to foreign ATS units, in a similar manner.

Transfer of control points, which do not coincide with the FIR/UIR according to operational agreements with foreign ATC units, are listed in ENR 3.1.

FRA procedures are available H24 above FL195 within the entire area of responsibility of the Swiss ATS as detailed in ENR 2.2.

To meet the requirements of air navigation, Switzerland has two ACCs: ACC Geneva and ACC Zurich.
The FIR/UIR BDRY and the areas of responsibility are defined by their COORD in ENR 2.1. and depicted on aeronautical charts.
Approach control and TWR services for **LFSB AP** are provided by the French ATS, in accordance with the French-Swiss convention. All corresponding information can be found in **AIP FRANCE.**

3. Types of services

3.1 Air Traffic Services (ATS)

ATS comprise:
a. the ATC service;
b. the FIS;
c. ALRS.

The ATC service is provided:
a. to all IFR FLTs;
b. to all VFR FLTs
- in class C airspace,
- in CTR and TMA class D,
- in other class D airspace for entry.

The ATC service is subdivided in:
- ACC service,
- APP,
- TWR service.

NOTE: The objectives of the ATC service do not include the prevention of collision with terrain. The procedures prescribed in this document do not therefore relieve the pilot of his responsibility to ensure that any clearance issued by an ATC unit is safe in this respect, except when an IFR FLT is vectored by radar.

3.2 Flight Information Service (FIS)

The **FIS** is provided to all ACFT which are likely to be affected by the information and which are:
a. provided with ATC service; or
b. known to the relevant ATS unit and in two-way radio contact with it.

3.3 Alerting Service (ALRS):

a. to all ACFT provided with ATC service;
b. in so far as practicable, to all other ACFT which have filed a flight plan or are otherwise known to the ATS units.
c. to any ACFT known or believed to be the subject of unlawful interference.

3.4 Aerodrome Flight Information Service (AFIS)

3.4.1 RTF communications at aerodromes with AFIS

3.4.1.1 Concept

AFIS is flight information service for aerodrome traffic.

3.4.1.2 Callsign

The ADs at which AFIS is provided are indicated on the Radio Facility Index chart in ENR 6.
They are identified in RTF by the name of the aerodrome, complemented by INFORMATION.

3.4.1.3 Radio communications coverage

Radio communications on the frequencies allocated to AFIS are admitted only within a 15 NM radius of the AD and up to 3000 ft (900 m) AAL.

3.4.1.4 Local competency area

AFIS is provided for AD traffic and vehicular traffic on the manoeuvring area.

3.4.1.5 Provision

AFIS is provided by a certified Air Navigation Service Provider.

8. RNAV procedures

8.1 RNAV 5 procedures

RNAV 5 (B-RNAV) routes are designed in accordance with the EUROCONTROL B-RNAV criteria. However, in accordance with the ICAO Doc 9613 Performance-based Navigation (PBN) Manual, these routes are published within the Swiss Airspace in compliance with the RNAV 5 requirements.
In AIP Switzerland, the terms “RNAV 5” and “B-RNAV” have the same meaning.
RNAV equipment may use the input from one or a combination of the following types of position sensors:
VOR/DME, DME/DME, INS/IRS and GNSS. However, the availability of VOR/DME is not assured in Swiss airspace. Request radar vectoring in case of RNAV position unavailability.

8.2 RNAV 1 procedures

RNAV 1 (P-RNAV) procedures are designed in accordance with the ICAO Doc 8168 PANS-OPS RNAV 1 criteria.
In AIP Switzerland, the terms “RNAV 1” and “P-RNAV” have the same meaning.

8.3 RNAV Routes

ACFT, other than State ACFT, operating on ATS routes* within FIR/UIR Switzerland at and above FL 100 shall be equipped with, as a MNM, RNAV equipment meeting RNAV 5 (B-RNAV) in accordance with the requirements set out in ICAO Doc 7030 Regional Supplementary Procedures (EUR, chapter 4, 4.1.1.2.3).
Aircraft operators shall ensure that the navigation equipment fulfils the requirements of the flight-planned routing.

* An ATS route is defined in ICAO Annex 11 as follows:
A specified route designated for channelling the flow of traffic as necessary for the provision of ATS.
The term ”ATS route” is used to mean variously AWY, advisory route, controlled or uncontrolled route, ARR or DEP route, etc.

8.3.1 Fixed RNAV routes

These are permanently published ATS routes which shall be FLT-planned for use by RNAV equipped ACFT. They are identified by route designators in accordance with ICAO Annex 11.

8.3.2 Contingency RNAV routes

These are temporarily published ATS routes which can be FLT-planned for use by appropriately equipped ACFT. They are identified by route designators in accordance with ICAO Annex 11. These routes will be published for cases of specific need only (e.g. outage of NAV facilities, activation of temporarily reserved airspace).

8.3.3 Random RNAV routing

These routings are unpublished tracks which may be FLT-planned within designated and published random RNAV areas. For the time being there are no such areas designated within Switzerland.

8.3.4 Other applications of RNAV

There are specific direct routings assigned by ATC or on pilots’ requests.

8.4 RNP 0.3 procedures for helicopter

RNP 0.3 routes (KYxyz) and associated routes (KQxyz) are designed for helicopter operation within Swiss Airspace in accordance with ICAO DOC 9613 Performance-based Navigation (PBN) Manual and DOC 8168.

9. Free Route Airspace – General procedures

9.1 Definitions

9.1.1 FRA

A specified airspace within which users may freely plan a route between a defined entry point and a defined exit point, with the possibility to route via intermediate (published or unpublished) waypoints, without reference to the ATS route network, subject to airspace availability. Within this airspace, flights remain subject to air traffic control.

9.1.2 FRA significant points

FRA horizontal entry point (E)
A published significant point on the horizontal boundary of the Free Route Airspace from which FRA operations are allowed. The FRA relevance of such points is included in ENR 4.1/4.4 columns as (E).

FRA horizontal exit point (X)
A published significant point on the horizontal boundary of the Free Route Airspace to which FRA operations are allowed. The FRA relevance of such points is included in ENR 4.1/4.4 columns as (X).

FRA horizontal intermediate point (I)
A published significant point or unpublished point, defined by geographical coordinates or by bearing and distance via which FRA operations are allowed. Intermediate points may be used to connect FRA operations to ATS route network. If published, the FRA relevance of such points is included in ENR 4.1/4.4 columns as (I).

FRA arrival connecting point (A)
A published significant point to which FRA operations are allowed for arriving traffic to specific aerodromes.
The FRA relevance of such points is included in ENR 4.1/4.4 columns as (A).

FRA departure connecting point (D)
A published significant point from which FRA operations are allowed for departing traffic from specific aerodromes.
The FRA relevance of such points is included in ENR 4.1/4.4 columns as (D).

9.2 Area of application

Skyguide provides ATS in areas above Switzerland and in delegated areas above Austria, Germany, Italy and France. These combined areas comprise Skyguide's Area of Responsibility (AoR).
LSASFRA is a Free Route Airspace area created within the entire lateral limits of Skyguide's AoR. FRA procedures are available H24 above FL195 up to FL660 within LSASFRA Part 1 and up to FL245 within LSASFRA Part 2 as detailed in ENR 2.2 and ENR Charts.

Italian Free Route Airspace volume "FRAIT" as described in AIP Italy ENR 2.2 extends over Swiss territory. Flights within FRAIT shall comply with the flight planning requirements defined in AIP Italy ENR 1.10.

9.3 FRA procedures

9.3.1 General

Within FRA flights may be planned DCT between significant points and/or radio navigation aids published in ENR 4.1/4.4. There is no restriction on the maximum DCT distance.
The use of unpublished points defined by geographical coordinates or by bearing and distance is not allowed.

9.3.2 Overflying traffic

Within LSASFRA aircraft operators can freely plan a route between a defined FRA Horizontal Entry Point (E) and a defined FRA Horizontal Exit Point (X), with the possibility to route via FRA Intermediate Points (I), without a reference to the ATS route network, subject to airspace availability.

9.3.3 Access to/from terminal airspace

Vertical entry and exit to/from the LSASFRA is made possible via the connection of ATS route segments connected to FRA significant points mentioned above. These ATS route segments are in turn connected to the SIDs or STARs of the various aerodromes. The available FRA connections between significant points and/or radio navigation aids to the ATS route network are published in the Route Availability Document (RAD).

9.3.4 Cross-border application

Cross border FRA application is only available between LSASFRA and DFS FRA Cells EDUU East, EDUU West and EDMM South. Flights between these areas are not required to file a FRA horizontal entry or exit point (E, X), rather the use of a FRA intermediate point (I), that is situated near the boundary and published in ENR 4.1 or ENR 4.4 is possible. It is not allowed to plan from a FRA significant point inside LSASFRA to a location described by geographical coordinates inside DFS FRA and vice versa. Only significant points as published in AIP ENR 4.1 or ENR 4.4 are permitted. Specific restrictions on the use of the FRA intermediate points (I) between the FRA areas is defined in the RAD if necessary.

Exceptional cross-border DCT segments are allowed between LSASFRA and LFEEUIR at night time as defined in RAD Annex 3B.

- ELVET DCT TUROM
- SUTAL DCT TUROM
- LIPNI DCT TUROM
- GIGUS DCT LUL

9.3.5 Airspace reservation – special areas

In general, aircraft operators will plan their trajectory around reserved or segregated airspace, when not available for civil operations, by using the relevant FRA intermediate points (I) published for this purpose in ENR 4.4.
Flights may be planned through AMC-manageable restricted airspaces (RSAs) according to the European Airspace Use Plan/ European Updated Airspace Use Plan (EAUP/EUUP); subject to the rules that are specified in RAD Annex 2C.

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ENR 1.10 FLIGHT PLANNING

1. Procedures for the submission of a flight plan (SERA.4001)

1.1 The Swiss flight planning policy

1.1.1 General

Information relative to an intended flight or portion of a flight to be provided to air traffic services units shall be in the form of an ICAO flight plan.

1.1.2 Completion of a flight plan (SERA.4010)

The purpose of a flight plan is to inform the competent ATS units enabling them to supervise the flight within the scope of air traffic control as well as the flight information service and alerting service.

1.1.3 Flight plan message flow

In order to comply with the procedures and rules of the EUROCONTROL Network Manager (NM), which require that flight plan messages for flights conducted fully or partially under IFR within its area of responsibility are to be made known to the Network Manager Operations Center (NMOC), the following policy is applied. Flight plan messages related to flights under IFR/General Air Traffic (GAT), mixed IFR/VFR or GAT/Operational Air Traffic (OAT) are forwarded by the most direct way to the Integrated initial Flight plan Processing System (IFPS) only.

1.1.4 Flight plan filling

Flight plans and associated messages (DLA, CHG, CNL and ARR) for flights departing from Swiss aerodromes should be filed with a personal user account on website http://www.skybriefing.com. Flight plans for consecutive legs may also be filed. Flight plan messages filed on skybriefing are transmitted automatically to AIM Operations Switzerland for further distribution.

In case of skybriefing unserviceability, AIM Operations Switzerland provides a contingency service for the filing of flight plans by telephone.
Associated messages (DLA, CHG, CNL and ARR) can always be transmitted via telephone.

The flight plan filing service in contingency situations:

Contingency service	Language	Flight plan transmission by phone
AIM Operations Switzerland	German/English	Phone: +41 (0) 43 931 61 61
	French/English	Phone: +41 (0) 43 931 62 03

1.1.5 Direct filing with Integrated initial Flight plan Processing System (IFPS)

The recommended practice of EUROCONTROL to file IFR flight plan messages directly with IFPS is generally permitted.

ACFT Operators (AO) wishing to do so may use their direct connection to the AFTN if AVBL or the SITA type B network (either purely or its SITA/AFTN gateway), provided the necessary arrangements are made beforehand with EUROCONTROL / Network Operations and skyguide, COM Centre Switzerland:
Phone: +41 (0) 22 747 13 73,

More Information available in the: IFPS User Manual.

URL: https://www.eurocontrol.int/publication/ifps-users-manual

1.1.6 NOP - Network Operations Portal

The NOP (Network Operations Portal) aims at facilitating the NM users' access to all kinds of dynamic data and operational information in a consolidated way.
Amongst other things, information on the RAD and the European airspace use plan (EAUP) and their updates are published here.

URL: https://www.public.nm.eurocontrol.int/PUBPORTAL/

1.1.7 Route Availability Document

The Route Availability Document (RAD) is a common reference document containing the policies, procedures and description for route and traffic orientation. It also includes route network and free route airspace utilisation rules and availability.

The RAD is also an Air Traffic Flow and Capacity Management (ATFCM) tool that is designed as a sole-source flight-planning document, which integrates both structural and ATFCM requirements, geographically and vertically.

URL: https://www.nm.eurocontrol.int/RAD/

1.1.8 Free Route Airspace Switzerland (LSASFRA)

Flights in LSASFRA shall flight plan as per the procedures defined in ENR 1.3.
Direct trajectories shall be planned using the acronym "DCT" between each FRA significant point.
The use of LAT/LONG coordinates is not allowed.

Flights within LSASFRA shall plan a flight level in accordance with the table of cruising level stated in ENR 1.7 section 5.3.
Additional specific flight level orientation scheme (FLOS) information relevant to FRA significant points can be found in ENR 4.1 and ENR 4.4.

1.2 IFPS - The Integrated initial Flight plan Processing System

1.2.1 General

A centralised flight plan processing and distribution service is established under the authority of the EUROCONTROL Network Manager (NM).
The service is provided by the Integrated Initial Flight Plan Processing System (IFPS) and covers that part of the ICAO EUR Region known as the IFPS Zone (IFPZ).
The IFPS Users Manual provides all users of the IFPS with an easy to access reference manual.
The manual is intended to contain all the necessary procedures and information in order for users to be able to construct, transmit or when necessary to correct, flight plan and associated update messages.
Procedures for the distribution of such messages after processing by the IFPS are also described.
Correct and accurate application of the procedures contained in the document is essential for the achievement of consistent flight plan data among all relevant actors in the flight planning process.
URL: https://www.eurocontrol.int/publication/ifps-users-manual

2. Contents of a flight plan (SERA.4005)

Unless a valid flight plan is acknowledged by IFPS (ACK), the requirement to file a FPL for an IFR flight intending to operate within the IFPS zone is not fulfilled.

2.1 Filing and submission of flight plans

Aircraft operators departing within Switzerland shall assume their flight is subject to ATFCM measures. Therefore, flight plans shall be submitted at least 180 minutes before EOBT. An IFR flight plan shall be submitted not more than 120 hours/5 Days in advance of the EOBT.
Unless a valid flight plan is acknowledged by IFPS (ACK), the requirement to file a FPL for an IFR flight intending to operate within the IFPS zone is not fulfilled.

A separate flight plan is required for each flight to an aerodrome where one or more approaches is intended to be made, even when no landing is intended.

Flight plans submitted for flights not operated must be cancelled (CNL).

ENR 2.2 OTHER REGULATED AIRSPACE

1. RVSM AIRSPACE

Within Switzerland UIR, RVSM applies between FL 290 and FL 410 inclusive. ACFT flying within this levelband must meet the RVSM requirements. Flight plans must be filed accordingly (REF: ENR 1.10).

2. Variations of the classification

NIL

3. Flight Information Zone

A FIZ is an airspace of defined dimensions, normally established around an AD, within which a FIS and ALRS is provided by an AFIS.
With the **exception of compulsory two-way radio communication**, the rules of the surrounding airspace class apply.

Aerodrome Flight Information Service AFIS

The purpose of AFIS is to provide information necessary for the safe and efficient conduct of FLT operations in the VCY of the AD and on the manoeuvring area. It shall be noted, that the pilot-in-command is - on the basis of the Rules of the Air, the information received and the use of his or her own judgment - responsible for maintaining a safe DIST to other traffic, as well as for reporting his/her own intentions.

Service provided:

a. MET information about the AD or other ADs, if AVBL;
b. Information about LDG and DEP RWY in use;
c. Traffic information;
d. Information about the serviceability of the AP, its RWYs, TWYs and other facilities and/or installations;
e. Information to student pilots;
f. Information about MET hazards for the safe and efficient conduct of FLT (TS, WS, ice, SN, standing water on the RWY etc.);
g. Operational information for the safe and efficient conduct of commercial FLTs;
h. Altimeter Setting (QNH);
i. FLT visibility;
j. Co-ordination with ADJ FLT Information or ATC units;
k. Assistance for SAR operations;
l. Activation and closure of Flight Plans;
m. …

Name **Lateral limits (WGS 84)** **Vertical limits** **Class of airspace**	**Unit providing service**	**Call sign** **Languages** **Area and conditions of use** **Hours of service**	**FREQ CH/ purpose**	**Remarks**
1	**2**	**3**	**4**	**5**
FIZ SAMEDAN				
Classification **G/E** *10'000 ft AMSL (3050 m)* / GND 46 34 46 N / 009 53 01 E - Arc of circle centred on 46 32 04 N 009 53 02 E, Radius 2.70 NM, clockwise 46 33 23 N / 009 56 27 E - 46 32 35 N / 009 55 59 E - 46 29 23 N / 009 52 36 E - Arc of circle centred on 46 32 04 N 009 53 02 E, Radius 2.70 NM, clockwise 46 31 15 N / 009 49 18 E - 46 34 46 N / 009 53 01 E	INFO Samedan	Samedan Information En; En and Ge for Non-Commercial VFR traffic. HO		

4. Radio Mandatory Zone

Ref to SERA: 6005 (A)

Name Lateral limits (WGS 84) Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	FREQ CH/ purpose	Remarks
1	2	3	4	5
RMZ Grenchen				
Classification **G** 2'000 ft AGL (600 m) / GND 47 13 05 N 007 32 31 E - Arc of circle centered on 47 11 32 N 007 31 52 E, Radius 1.60 NM, clockwise 47 11 13 N 007 34 10 E - 47 08 02 N 007 23 23 E - 47 07 52 N 007 21 00 E Arc of circle centered on 47 09 18 N 007 22 02 E, Radius 1.61 NM, clockwise 47 10 03 N 007 19 58 E - 47 11 15 N 007 23 08 E - 47 13 05 N 007 32 31 E		Grenchen Aerodrome En HX		

5. Transponder Mandatory Zone

Within the airspaces mentioned below, all aircraft conducting VFR flights must carry a Mode S transponder of at least Level 2 with SI code and elementary surveillance functionality and operate with the transponder code 7000 or another code as assigned or designated by ATC or FIC.

Hang gliders, parachutes and model aircraft (excluding drones) are generally not required to carry and operate a transponder. Exemptions to carry and operate a transponder for other VFR flights, drones, kites, parasail wings and tethered balloons may be granted.

Name Lateral limits (WGS 84) Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	FREQ CH/ purpose	Remarks
1	2	3	4	5
TMZ Northeast (TMZ NE)				
Classification **E** FL100 / 2000 ft AGL Outside Class C/D airspace 47 39 25 N 009 10 05 E - ALONG SWISS-GERMAN BORDER - 47 32 21 N 009 33 49 E - ALONG SWISS-AUSTRIAN BORDER - 47 27 52 N 009 35 39 E - 47 28 28 N 009 26 20 E - 47 25 15 N 009 17 26 E - 47 28 06 N 009 07 29 E - 47 39 25 N 009 10 05 E	Zurich ACC	Alps Radar En, Ge H24	119.925	

6. Compulsory radio contact for all NVFR flights

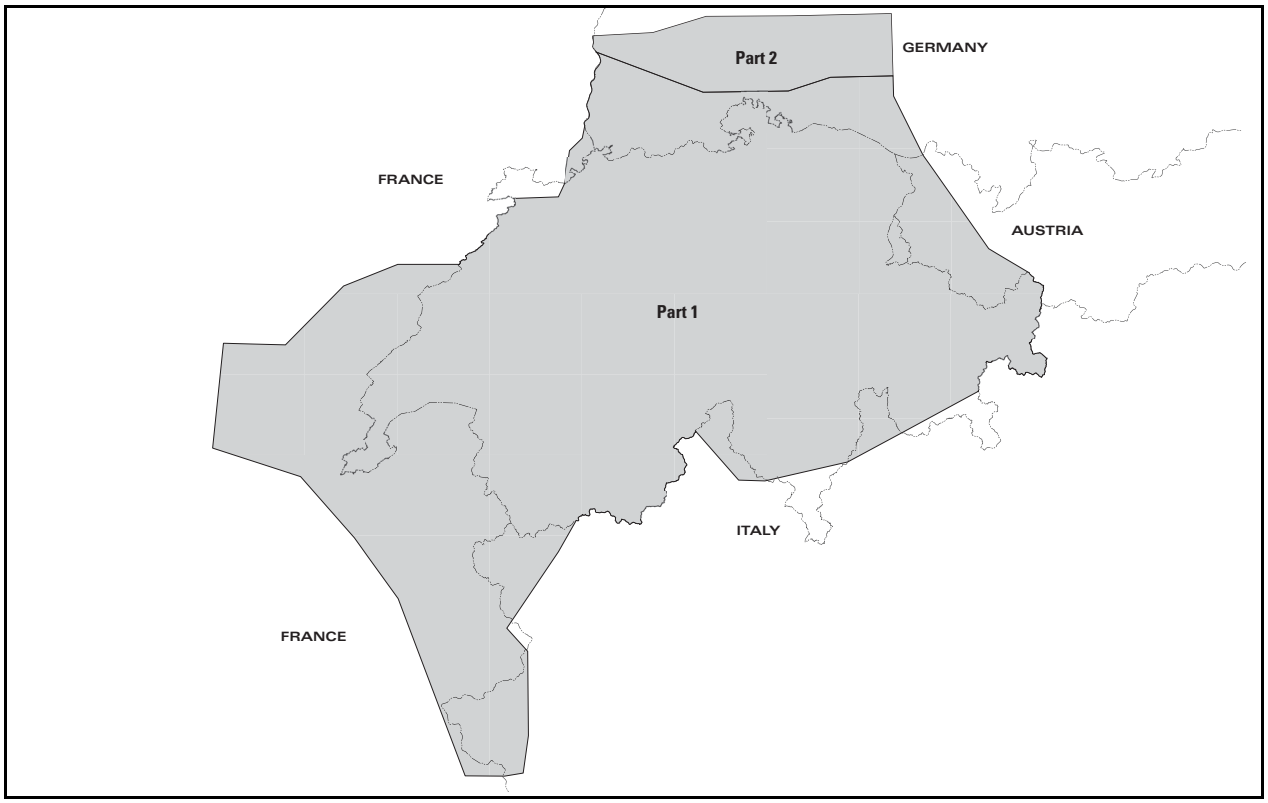
Between 2100 (2000) or HRH (whichever is later) and 0500 (0400) or HRH (whichever is earlier), radio contact is compulsory for all NVFR FLTs in airspace class G and E with FIC or with a designated ATC Centre for coordination of FLTs with unmanned MIL ACFT (drone).

7. Free Route Airspace Skyguide

Skyguide provides ATS in areas above Switzerland and in delegated areas above Austria, Germany, Italy and France. These combined areas comprise Skyguide's Area of Responsibility (AoR).

LSASFRA is a Free Route Airspace area created within the entire lateral limits of Skyguide's AoR. FRA procedures (see ENR 1.3 and ENR 1.10) are available H24 above FL195 up to FL660 within LSASFRA Part 1 and up to FL245 within LSASFRA Part 2.

The lateral limits of LSASFRA volumes are detailed below.



Name Lateral limits (WGS 84) Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	FREQ CH/ purpose	Remarks
1	2	3	4	5
FRA Skyguide				
Part 1 46 51 18 N 010 28 11 E - Switzerland-Italy EAD Border - 46 29 08 N 010 02 27 E - 46 28 42 N 010 02 36 E - 46 18 25 N 009 33 05 E - 46 10 29 N 009 10 24 E - 46 09 35 N 009 02 34 E - 46 06 16 N 008 39 54 E - 46 06 35 N 008 29 44 E - 46 19 23 N 008 13 08 E - Switzerland-Italy EAD Border - 45 56 41 N 007 28 03 E - 45 51 37 N 007 23 47 E - 45 47 47 N 007 20 45 E - 45 27 23 N 007 01 16 E - 45 21 15 N 007 09 12 E - 44 58 49 N 007 09 36 E - 44 48 50 N 007 07 41 E - 44 48 00 N 007 00 45 E - 44 48 00 N 006 46 00 E - 45 23 23 N 006 26 30 E - 45 27 57 N 006 23 57 E - 45 35 00 N 006 20 00 E - 45 39 10 N 006 15 35 E - 45 40 47 N 006 13 48 E - 45 45 09 N 006 09 15 E - 45 46 20 N 006 07 57 E - 45 48 23 N 006 05 48 E - 45 51 00 N 006 03 00 E - 46 01 13 N 005 49 37 E -	Geneva ACC Zurich ACC	Swiss Radar	As Per UIR Switzerland (LSAS) ENR 2.1	REF AIPs Austria, Germany, Italy, France

Name Lateral limits (WGS 84) Vertical limits Class of airspace	Unit providing service	Call sign Languages Area and conditions of use Hours of service	FREQ CH/ purpose	Remarks
1	2	3	4	5
FRA Skyguide				
46 07 00 N 005 42 00 E - 46 14 00 N 005 08 00 E - 46 30 05 N 005 09 43 E - 46 42 00 N 005 11 00 E - 46 42 01 N 005 25 09 E - 46 42 01 N 005 27 44 E - 46 42 00 N 005 35 00 E - 46 52 21 N 005 49 14 E - 46 55 32 N 005 53 39 E - 46 58 00 N 005 57 04 E - 47 03 48 N 006 14 21 E - 47 04 12 N 006 42 02 E - 47 04 12 N 006 42 04 E - France-Switzerland EAD Border - 47 14 17 N 006 56 34 E - 47 14 35 N 006 57 17 E - 47 14 36 N 006 57 20 E - France-Switzerland EAD Border - 47 21 42 N 007 02 58 E - 47 21 51 N 007 02 36 E - 47 22 19 N 007 20 35 E - 47 25 56 N 007 23 04 E - 47 34 39 N 007 24 56 E - 47 37 58 N 007 29 58 E - 47 41 21 N 007 30 59 E - 47 41 48 N 007 30 42 E - France-Germany EAD Border - 47 59 57 N 007 36 36 E - 48 00 54 N 007 35 26 E - 47 50 00 N 008 17 45 E - 47 50 00 N 008 51 30 E - 47 53 25 N 009 08 13 E - 47 53 24 N 009 33 00 E - 47 50 00 N 009 33 00 E - 47 48 00 N 009 33 00 E - 47 32 01 N 009 43 59 E - 47 29 11 N 009 46 47 E - 47 20 12 N 009 55 29 E - 47 06 37 N 010 08 29 E - 47 05 15 N 010 11 33 E - 47 00 03 N 010 23 22 E - 47 00 02 N 010 23 22 E - Switzerland-Austria EAD border - 46 51 18 N / 010 28 11 E - FL660 / FL195 Classification: **C**				
Part 2 48 05 00 N 007 34 39 E - 48 06 00 N 007 58 00 E - 48 08 55 N 008 12 46 E - 48 10 12 N 008 19 17 E - 48 10 00 N 008 52 58 E - 48 10 00 N 009 33 00 E - 48 02 49 N 009 33 00 E - 47 58 24 N 009 33 00 E - 47 53 24 N 009 33 00 E - 47 53 25 N 009 08 13 E - 47 50 00 N 008 51 30 E - 47 50 00 N 008 17 45 E - 48 00 54 N 007 35 26 E - France-Germany EAD Border - 48 04 49 N 007 34 09 E - 48 05 00 N 007 34 39 E - FL245 / FL195 Classification: **C**	Zurich ACC	Swiss Radar	As Per UIR Switzerland (LSAS) ENR 2.1	REF AIP Germany

8. Free Route Airspace Italy

Italian Free Route Airspace volume "FRAIT" as described in AIP Italy ENR 2.2 extends over Swiss territory. Flights within FRAIT shall comply with the flight planning requirements defined in AIP Italy ENR 1.10.

ENR 3 ATS ROUTES

ENR 3.1 Lower ATS Routes

1. Conventional ATS route network

The ATS route network as published in ENR 3.1 and 3.3 may be used within the limits of the Swiss area of jurisdiction by appropriately equipped ACFT.

2. Index of ENR 3.1 Lower ATS Route Tables

Route Designator	Page
A1	ENR 3.1 - 2
A41	ENR 3.1 - 3
B16	ENR 3.1 - 4
B37	ENR 3.1 - 5
B46	ENR 3.1 - 6
G4	ENR 3.1 - 7
G5	ENR 3.1 - 8
G32	ENR 3.1 - 9
J32	ENR 3.1 - 10
R226	ENR 3.1 - 11
T10	ENR 3.1 - 12
Y55	ENR 3.1 - 13
Y56	ENR 3.1 - 14

3. ENR 3.1 Lower ATS Route Tables

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
A1								
▲ DINOX	46 40 00 N 006 07 11 E							
	128° / 308°	18	FL500 / *7500 ft*	*8000 ft*		Odd	Even	ACC Geneva {C, E}
△ St-Prex VOR/ DME (SPR)	46 28 07 N 006 26 53 E							
	324°	14	FL500 / *10300 ft*	*11000 ft*			Even	ACC Geneva {C, E}
△ SOFIK	46 16 24 N 006 37 57 E							

ENR 3.3 AREA NAVIGATION (RNAV) ROUTES

1. Index of ENR 3.3 RNAV Route Tables

Route Designator	Page	Route Designator	Page	Route Designator	Page
J41	ENR 3.3 - 3	Z62	ENR 3.3 - 52		
L50	ENR 3.3 - 4	Z63	ENR 3.3 - 53		
L613	ENR 3.3 - 5	Z64	ENR 3.3 - 54		
L856	ENR 3.3 - 6	Z65	ENR 3.3 - 55		
M858	ENR 3.3 - 7	Z67	ENR 3.3 - 56		
N491	ENR 3.3 - 8	Z69	ENR 3.3 - 57		
N850	ENR 3.3 - 9	Z83	ENR 3.3 - 58		
N851	ENR 3.3 - 10	Z90	ENR 3.3 - 59		
N869	ENR 3.3 - 11	Z119	ENR 3.3 - 60		
N871	ENR 3.3 - 12	Z138	ENR 3.3 - 61		
T14	ENR 3.3 - 13	Z141	ENR 3.3 - 62		
T45	ENR 3.3 - 14	Z142	ENR 3.3 - 63		
T50	ENR 3.3 - 15	Z143	ENR 3.3 - 64		
T51	ENR 3.3 - 16	Z144	ENR 3.3 - 65		
T52	ENR 3.3 - 17	Z162	ENR 3.3 - 66		
T53	ENR 3.3 - 18	Z163	ENR 3.3 - 67		
T103	ENR 3.3 - 19	Z170	ENR 3.3 - 68		
T125	ENR 3.3 - 20	Z408	ENR 3.3 - 69		
T163	ENR 3.3 - 21	Z424	ENR 3.3 - 70		
T330	ENR 3.3 - 22	Z600	ENR 3.3 - 71		
T544	ENR 3.3 - 23	Z601	ENR 3.3 - 72		
T625	ENR 3.3 - 24	Z651	ENR 3.3 - 73		
T626	ENR 3.3 - 25	Z652	ENR 3.3 - 74		
T627	ENR 3.3 - 26	Z653	ENR 3.3 - 75		
T718	ENR 3.3 - 27	Z669	ENR 3.3 - 76		
T721	ENR 3.3 - 28	Z671	ENR 3.3 - 77		
T734	ENR 3.3 - 29				
T901	ENR 3.3 - 30				
Y1	ENR 3.3 - 31				
Y3	ENR 3.3 - 32				
Y5	ENR 3.3 - 33				
Y51	ENR 3.3 - 34				
Y52	ENR 3.3 - 35				
Y58	ENR 3.3 - 36				
Y100	ENR 3.3 - 37				
Y112	ENR 3.3 - 38				
Y164	ENR 3.3 - 39				
Y170	ENR 3.3 - 40				
Y223	ENR 3.3 - 41				
Y224	ENR 3.3 - 42				
Z1	ENR 3.3 - 43				
Z2	ENR 3.3 - 44				
Z6	ENR 3.3 - 45				
Z50	ENR 3.3 - 46				
Z57	ENR 3.3 - 47				
Z58	ENR 3.3 - 48				
Z59	ENR 3.3 - 49				
Z60	ENR 3.3 - 50				
Z61	ENR 3.3 - 51				

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2. RNAV ATS Routes

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
J41								
△ Passeiry DVOR/ DME (PAS)	46 09 49 N 006 00 00 E							
	144°	20	FL500 / FL115	FL120		Odd		ACC Geneva REF: AIP France {C}
▲ ESAPI	45 53 24 N 006 17 25 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
L50								
△ BANKO	45 49 12 N 007 03 17 E							
	344°	14.8	FL305 / FL165	FL170		Even		ACC Geneva {C}
△ VALOR	46 03 35 N 006 58 26 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
L613								
△ SUXAN	46 33 44 N 010 28 45 E							
	315° / 135°	5.7	FL660 / *15000 ft*	*16000 ft*		Even	Odd	ACC Zurich {C} (2)
△ VALAV	46 37 58 N 010 23 10 E							
	326° / 146°	10.3	FL660 / *15000 ft*	*16000 ft*		Even	Odd	ACC Zurich {C} (2)
△ RONAG	46 46 46 N 010 15 32 E							
	290° / 109°	42.7	FL660 / *14000 ft*	*15000 ft*		Even	Odd	ACC Zurich {C}
△ ARGAX	47 03 00 N 009 17 53 E							
	289° / 109°	17.2	FL660 / *11000 ft*	*12000 ft*		Even	Odd	ACC Zurich {C}
△ ELMUR	47 09 24 N 008 54 27 E							
	289° / 108°	8.1	FL660 / *9000 ft*	*9500 ft*		Even	Odd	ACC Zurich {C}
△ MANEG	47 12 15 N 008 43 20 E							
	288° / 107°	9.7	FL660 / *9000 ft*	*9500 ft*		Even	Odd	ACC Zurich {C}
△ RIPUS	47 15 37 N 008 30 00 E							
	287° / 107°	7.3	FL660 / *9000 ft*	*9500 ft*		Even	Odd	ACC Zurich {C}
△ DITON	47 18 08 N 008 20 00 E							
	287° / 107°	29.0	FL660 / *6500 ft*	*7000 ft*		Even	Odd	ACC Zurich {C}
△ Hochwald DME (HOC)	47 28 00 N 007 39 56 E							

SUXAN - MANEG: CDR 1 H24

(2) Class D within FIR MILANO

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
L856								
△ AKABI (FIR BDRY)	47 43 01 N 009 14 00 E							
	265°	5.1	FL660 / *7500 ft*	FL080		Even		ACC Zurich {C, E}
△ ROMIR	47 42 47 N 009 06 28 E							
	265°	27.2	FL660 / FL135	FL140		Even		ACC Zurich {C}
△ Trasadingen DME (TRA)	47 41 22 N 008 26 13 E							
	245° / 065°	34.1	FL660 / *5500 ft*	*6000 ft*		Even	Odd	ACC Zurich {C, E}
△ Hochwald DME (HOC)	47 28 00 N 007 39 56 E							
From HOC to TRA northeastbound only available below FL195								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
M858								
△ Trasadingen DME (TRA)	47 41 22 N 008 26 13 E							
	167° / 347°	14.5	FL165 / *7500 ft*	*8000 ft*		Odd	Even	ACC Zurich {C}
△ RISLI	47 27 11 N 008 30 27 E							
	167° / 347°	11.3	FL165 / *7500 ft*	*8000 ft*		Odd	Even	ACC Zurich {C}
△ BARIG	47 16 07 N 008 33 40 E							
	167° / 347°	2.0	FL165 / *8500 ft*	*9000 ft*		Odd	Even	ACC Zurich {C}
△ ASGED	47 14 09 N 008 34 14 E							
	167° / 347°	7.3	FL165 / *8500 ft*	*9000 ft*		Odd	Even	ACC Zurich {C}
△ AGERI	47 07 02 N 008 36 18 E							
	167° / 347°	7.0	FL165 / *8500 ft*	*9000 ft*		Odd	Even	ACC Zurich {C}
△ URNAS	47 00 08 N 008 38 18 E							
	167° / 347°	25.5	FL165 / *13500 ft*	*14000 ft*		Odd	Even	ACC Zurich {C}
△ LUKOM	46 35 06 N 008 45 31 E							
	166° / 347°	25.6	FL165 / *13500 ft*	*14000 ft*		Odd	Even	ACC Zurich {C}
△ CANNE	46 10 00 N 008 52 52 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
N491								
△ AMRUP	47 46 45 N 008 04 37 E							
	109°	15.5	FL660 / *7500 ft*	*8000 ft*		Odd		ACC Zurich REF: AIP Germany {C, E}
△ Trasadingen DME (TRA)	47 41 22 N 008 26 13 E							
	111°	16.5	FL660 / *8500 ft*	*9000 ft*		Odd		ACC Zurich {C}
△ Zurich East VOR/ DME (ZUE)	47 35 32 N 008 49 04 E							
	123°	19.0	FL660 / *8500 ft*	*9000 ft*		Odd		ACC Zurich {C}
△ DEGES	47 24 45 N 009 12 07 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
N850								
△ Trasadingen DME (TRA)	47 41 22 N 008 26 13 E							
	174°	25.9	FL660 / *9000 ft*	*14000 ft*		Odd		ACC Zurich {C}
△ RIPUS	47 15 37 N 008 30 00 E							
	174°	13.3	FL660 / *9000 ft*	*14000 ft*		Odd		ACC Zurich {C}
△ GERSA	47 02 22 N 008 31 56 E							
	174°	26.1	FL660 / *13000 ft*	*14000 ft*		Odd		ACC Zurich {C}
△ SOSON	46 36 24 N 008 35 39 E							
	174°	10.3	FL660 / *13000 ft*	*14000 ft*		Odd		ACC Zurich {C}
△ DEGAD	46 26 10 N 008 37 06 E							
	174°	19.6	FL660 / *13000 ft*	*14000 ft*		Odd		ACC Zurich {C}
FIR BDRY	46 06 41 N 008 39 50 E							
	174°	0.4	FL660 / *13000 ft*	*14000 ft*		Odd		ACC Milan
△ ODINA	46 06 16 N 008 39 54 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
N851								
△ ABESI	46 09 35 N 009 02 34 E							
	354°	15.1	FL660 / *13000 ft*	*14000 ft*		Even		ACC Zurich {C}
△ UTAVO	46 24 38 N 009 00 33 E							
	354°	11.7	FL660 / *13000 ft*	*14000 ft*		Even		ACC Zurich {C}
△ PIXOS	46 36 19 N 008 58 59 E							
	354°	17.1	FL660 / *13000 ft*	*14000 ft*		Even		ACC Zurich {C}
△ SOPER	46 53 22 N 008 56 40 E							
	354°	16.1	FL660 / *13000 ft*	*14000 ft*		Even		ACC Zurich {C}
△ ELMUR	47 09 24 N 008 54 27 E							
	354°	8.0	FL660 / *8500 ft*	*9000 ft*		Even		ACC Zurich {C}
△ ROLSA	47 17 23 N 008 53 21 E							
	018°	9.6	FL660 / *8500 ft*	*9000 ft*		Even		ACC Zurich {C}
△ KUDIS	47 26 28 N 008 58 01 E							
	018° / 198°	17.3	FL660 / *8500 ft*	*9000 ft*		Even	Odd	ACC Zurich {C}
△ ROMIR	47 42 47 N 009 06 28 E							
	005° / 185°	4.7	FL660 / *8500 ft*	*9000 ft*		Even	Odd	ACC Zurich {C}
△ VEDOK (FIR BDRY)	47 47 24 N 009 07 14 E							
ABESI - KUDIS: CDR 1 H24 By ATC: Alternative route via Z651 and Z138 From VEDOK to KUDIS southbound only available below FL 195								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
N869								
△ NATOR	48 10 12 N 008 19 17 E							
	206°	59.0	FL660 / FL105	FL110		Odd		UAC Karlsruhe ACC Zurich {C}
△ OLBEN	47 18 16 N 007 37 46 E							
	232°	13.5	FL660 / FL105	FL100		Odd		ACC Zurich {C, E}
△ LUTIX	47 09 54 N 007 22 14 E							
	232°	10.4	FL660 / FL105	FL110		Odd		ACC Geneva {C, E}
△ BENOT	47 03 28 N 007 10 22 E							
	232°	14.0	FL660 / FL095	FL100		Odd		ACC Geneva {C, E}
△ NEMOS	46 54 43 N 006 54 24 E							
	232°	17.6	FL660 / FL095	FL100		Odd		ACC Geneva {C, E}
△ VEROX	46 43 39 N 006 34 24 E							
	227°	38	FL500 / FL095	FL100		Odd		ACC Geneva {C, E}
△ MILPA	46 18 09 N 005 52 47 E							
OLBEN - MILPA: CDR 1 H24 By ATC: Alternative route via N850 - TRA - Z669								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
N871								
▲ MOLUS	46 26 38 N 006 40 46 E							
	052°	10.9	FL500 / FL095	FL 100		Even		ACC Geneva {C, E}
△ SOSAL	46 33 29 N 006 53 04 E							
	052°	20.5	FL660 / FL095	FL 100		Even		ACC Geneva {C, E}
△ TELNO	46 46 19 N 007 16 15 E							
	052°	7.6	FL660 / FL095	FL 100		Even		ACC Geneva {C, E}
△ KORED	46 51 02 N 007 24 51 E							
	052°	14.0	FL660 / FL095	FL 100		Even		ACC Zurich {C, E}
△ KONOL	46 59 43 N 007 40 51 E							
	052°	13.6	FL660 / FL095	FL 100		Even		ACC Zurich {C, E}
△ BERSU	47 08 08 N 007 56 29 E							
	058°	3.4	FL660 / FL135	FL 140		Even		ACC Zurich {C}
△ SUREP	47 09 55 N 008 00 39 E							
	058°	15.5	FL660 / FL135	FL 140		Even		ACC Zurich {C}
△ DITON	47 18 08 N 008 20 00 E							
	078°	36.0	FL660 / FL135	FL 140		Odd		ACC Zurich {C, E}
△ DEGES	47 24 45 N 009 12 07 E							
	090°	18.3	FL660 / *10500 ft*	*11000 ft*		Odd		ACC Zurich {C}
△ GAMSA	47 24 30 N 009 39 07 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T14								
△ LASUN	47 24 51 N 007 32 15 E							
	266°	15.6	FL500 / FL095	FL100		Even		ACC Zurich {C,E}
△ LUMEL	47 24 26 N 007 09 14 E							
	265°	9.5	FL500 / FL095	FL100		Even		ACC Zurich {C, E}
△ ARNOT	47 24 08 N 006 55 12 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T45								
△ VENAT	46 14 39 N 006 35 48 E							
	031°	22	FL500 / FL125	FL130		Even		ACC Geneva REF: AIP France {C}
△ SOSAL	46 33 29 N 006 53 04 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T50								
△ VEBIT	47 16 07 N 008 00 21 E							
	245°	12.4	FL660 / *6500 ft*	*7000 ft*		Odd		ACC Zurich {C, E}
△ ROTOS	47 11 24 N 007 43 31 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T51								
△ VEBIT	47 16 07 N 008 00 21 E							
	292°	7.5	FL660 / *6500 ft*	*7000 ft*		Even		ACC Zurich {C, E}
△ DANZE	47 19 16 N 007 50 17 E							
	292°	13.5	FL660 / *6500 ft*	*7000 ft*		Even		ACC Zurich {C, E}
△ LASUN	47 24 51 N 007 32 15 E							
	284°	34	FL195 / FL115	FL120		Even		ACC Zurich APP Bâle ACC Reims {C, E}
△ Hericourt NDB (HR)	47 33 42 N 006 43 56 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T52								
△ VEBIT	47 16 07 N 008 00 21 E							
	274°	29.7	FL095 / *6500 ft*	*7000 ft*		Even		ACC Zurich {C, E}
△ BALIR	47 18 30 N 007 16 53 E							
	319°	7.9	FL095 / *6500 ft*	*7000 ft*		Even		ACC Zurich {C, E}
△ LUMEL	47 24 26 N 007 09 14 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T53								
△ VEBIT	47 16 07 N 008 00 21 E							
	090°	10.2	FL660 / *6500 ft*	*7000 ft*		Even		ACC Zurich {C, E}
△ OBEDU	47 15 29 N 008 15 18 E							
	091°	8.0	FL660 / *8500 ft*	*9000 ft*		Even		ACC Zurich {C, E}
△ OMIDO	47 14 58 N 008 27 03 E							
	150°	5.7	FL660 / *8500 ft*	*9000 ft*		Even		ACC Zurich {C, E}
△ ARTAG	47 09 52 N 008 30 50 E							
	171°	7.6	FL660 / *8500 ft*	*9000 ft*		Even		ACC Zurich {C, E}
△ GERSA	47 02 22 N 008 31 56 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T103								
△ DITON	47 18 08 N 008 20 00 E							
	071°	27.1	FL660 / FL135	FL140		Odd		ACC Zurich {C}
△ KUDIS	47 26 28 N 008 58 01 E							
	071°	29.2	FL660 / *8500 ft*	*9000 ft*		Odd		ACC Zurich {C, E}
△ NUNRI	47 35 12 N 009 39 09 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T125								
△ RAMOK	47 01 20 N 007 41 03 E							
	042°	13.1	FL195 / *5500 ft*	*6000 ft*		Even		APP Bern {C, E}
△ WILLISAU VOR/DME (WIL)	47 10 42 N 007 54 21 E							
	020° / 200°	12.4	FL095 / FL075	FL080		Even	Odd	APP Zurich {C, E}
△ EKTUM	47 22 08 N 008 01 28 E							
	053° / 234°	24.9	FL095 / FL075	FL080		Even	Odd	APP Zurich {C, E}
△ ENONO	47 35 53 N 008 32 03 E							
	089° / 269°	11.5	FL095 / FL075	FL080		Even	Odd	APP Zurich {C}
△ Zurich East VOR/DME (ZUE)	47 35 32 N 008 49 04 E							
	055° / 235°	13.8	FL660 / *5500 ft*	*6000 ft*		Even	Odd	ACC/APP Zurich {C, E}
△ ROMIR	47 42 47 N 009 06 28 E							
WIL - ZUE: CDR 1 H24 By ATC: Alternative route via T625								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T163								
△ LUTIX	47 09 54 N 007 22 14 E							
	081°	14.6	FL660 / *6500 ft*	*7000 ft*			Even	ACC Zurich {C}
△ ROTOS	47 11 24 N 007 43 31 E							
	072°	25.8	FL660 / *6500 ft*	*7000 ft*			Even	ACC Zurich {C}
△ DITON	47 18 08 N 008 20 00 E							
	045°	26.3	FL660 / FL135	FL140		Even		ACC Zurich {C}
△ Zurich East VOR/ DME (ZUE)	47 35 32 N 008 49 04 E							
	012°	12.0	FL660 / FL245	FL250		Even		ACC Zurich {C}
△ SONOM (UIR BDRY)	47 47 03 N 008 53 46 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T330								
△ MOLUS	46 26 38 N 006 40 46 E							
	333°	41	FL500 / FL125	FL130		Even		ACC Geneva {C}
△ GILIR	47 03 48 N 006 14 21 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T544								
△ VEBIT	47 16 07 N 008 00 21 E							
	214°	6.8	FL095 / *6500 ft*	*7000 ft*		Odd		APP Zurich APP Bern {C, E}
△ WILLISAU VOR/ DME (WIL)	47 10 42 N 007 54 21 E							
	046° / 227°	36.9	FL095 / *7500 ft*	*8000 ft*		Odd	Even	ACC Geneva {C, E} **(2)**
△ Fribourg VOR/DME (FRI)	46 46 39 N 007 13 25 E							
(2) {D} within Bern TMA								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T625								
△ ROMIR	47 42 47 N 009 06 28 E							
	196° / 016°	24.0	FL095 / FL075	FL080		Odd	Even	APP Zurich {C,D}
△ SUBEX	47 20 07 N 008 54 45 E							
	254° / 074°	42.2	FL095 / FL075	FL080		Odd	Even	APP Zurich {C, D, E}
△ WILLISAU VOR/ DME (WIL)	47 10 42 N 007 54 21 E							
	266° / 086°	12.2	FL195 / *7500 ft*	*8000 ft*		Even	Odd	ACC Zurich APP Bern {C, E}
△ OSKUP	48 10 07 N 007 36 33 E							
	281° / 101°	20.8	FL105 / *7500 ft*	*8000 ft*		Even	Odd	APP Bern {E}
△ DEKAM	47 14 24 N 007 06 46 E							
ROMIR - WIL: Only by ATC Alternative route for T125								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T626								
▲ Hericourt NDB (HR)	47 33 42 N 006 43 56 E							
	129°	16	FL195 / FL085	FL090		Odd		ACC Reims / ACC Zurich REF: AIP France {C, D, E}
△ DOUCI	47 23 08 N 007 02 03 E							
	132°	19.1	FL195 / *6500 ft*	*7000 ft*		Odd		ACC Zurich / APP Bern {C, E}
△ LUTIX	47 09 54 N 007 22 14 E							
	087°	9.8	FL195 / *6500 ft*	*7000 ft*		Odd		ACC Zurich / APP Bern {C, E}
△ OSKUP	47 10 07 N 007 36 33 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T627								
△ LUTIX	47 09 54 N 007 22 14 E							
	144°	4.4	FL195 / *6000 ft*	*6000 ft*		Odd		ACC Zurich / APP Bern {C, D, E}
△ KOPPI	47 06 15 N 007 25 55 E							
	201°	5.9	FL195 / *7500 ft*	*8000 ft*		Odd		ACC Zurich / APP Bern {C, D, E}
△ BIRKI	47 00 47 N 007 22 35 E							
	223°	4.9	FL195 / *7500 ft*	*8000 ft*		Odd		ACC Zurich / APP Bern {C, D, E}
△ ULMES	46 57 18 N 007 17 33 E							
LUTIX - ULMES: CDR 1 H24								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T718								
△ ELMUR	47 09 24 N 008 54 27 E							
	326°	37.3	FL660 / *8500 ft*	*9000 ft*		Even		ACC Zurich {C}
△ Trasadingen DME (TRA)	47 41 22 N 008 26 13 E							
	303°	24.3	FL245 / *7500 ft*	*8000 ft*		Even		ACC Zurich / ACC Langen REF: AIP Germany {C}
△ ALINE	47 55 28 N 007 56 47 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T721								
△ RILAX	47 56 34 N 008 30 49 E							
	147°	24.4	FL235 / *6500 ft*	*7000 ft*		Odd		ACC Zurich APP Zurich REF: AIP Germany {C, E}
Zurich East △ DVOR/DME (ZUE)	47 35 32 N 008 49 04 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T734								
△ RONIX	47 13 34 N 008 27 25 E							
	175°	27.8	FL245 / *4500 ft*	*5000 ft*			Odd	ACC Zurich {C, E}
△ Trasadingen DME (TRA)	47 41 22 N 008 26 13 E							
	066°	13.1	FL660 / *6500 ft*	*7000 ft*		Odd		ACC Zurich REF: AIP Germany {C, E}
△ SONGI	47 46 40 N 008 43 55 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
T901								
△ SUREP	47 09 55 N 008 00 39 E							
	097°	4.4	FL195 / 2000 ft AGL	*7000 ft*			Even	{C, E}
△ Willisau VOR/DME (WIL)	47 10 42 N 007 54 21 E							
	322° / 142°	5.1	FL195 / 2000 ft AGL	*7000 ft*		Odd	Even	{C, E}
△ NEMAG	47 14 53 N 007 50 06 E							
	254° / 074°	4.5	FL195 / 2000 ft AGL	*7000 ft*		Odd	Even	{C, E}
△ ARVAN	47 13 53 N 007 43 41 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Y1								
△ MILPA	46 18 09 N 005 52 47 E							
	105°	11	FL500 / FL165	FL170		Odd		ACC Geneva REF: AIP France
△ Geneva DVOR/ DME (GVA)	46 15 14 N 006 07 56 E							
	105°	37	FL500 / FL165	FL170		Odd		ACC Geneva REF: AIP France
△ VALOR	46 03 35 N 006 58 26 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Y3								
△ ELBEG	47 41 49 N 007 44 58 E							
	132°	16.5	FL105 / *6500 ft*	*7000 ft*		Odd		APP Zurich REF: AIP Germany {C, D, E}
△ GIPOL	47 30 19 N 008 02 27 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Y5								
△ BARIG	47 16 07 N 008 33 40 E							
	075° / 256°	27.3	FL165 / *7500 ft*	*8000 ft*		Odd	Even	APP Zurich {C, E}
△ Willisau VOR/DME (WIL)	47 10 42 N 007 54 21 E							
	062°	13.3	FL195 / *5500 ft*	*6000 ft*			Even	APP Bern {C, D, E}
△ MEBOX	47 05 10 N 007 36 33 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Y51								
△ St-Prex VOR/DME (SPR)	46 28 07 N 006 26 53 E							
	009° / 189°	16.0	FL195 / *7500 ft*	*8000 ft*		Even	Odd	ACC Geneva {C, E}
△ LORBU	46 43 46 N 006 31 44 E							
	009° / 189°	11.0	FL195 / *7500 ft*	*8000 ft*		Even	Odd	ACC Geneva {C, E}
△ FLORY	46 54 31 N 006 35 06 E							
	036° / 216°	13.5	FL195 / *7500 ft*	*8000 ft*		Even	Odd	ACC Geneva {C, E}
△ Les Eplatures NDB (LPS)	47 05 00 N 006 47 36 E							
	051° / 231°	16.1	FL195 / *7500 ft*	*8000 ft*		Even	Odd	ACC Geneva {C, D, E}
△ DEKAM	47 14 24 N 007 06 46 E							
	056° / 236°	8.0	FL195 / *7500 ft*	*8000 ft*		Even	Odd	ACC Zurich {C, D, E}
△ BALIR	47 18 30 N 007 16 53 E							
	056° / 236°	4.0	FL195 / *7500 ft*	*8000 ft*		Even	Odd	ACC Zurich {C, D, E}
△ LEPLA	47 20 36 N 007 21 58 E							
	056° / 236°	8.2	FL195 / FL105	FL110		Even	Odd	ACC Zurich {C, D}
△ LASUN	47 24 51 N 007 32 15 E							
	056° / 236°	6.1	FL195 / FL105	FL110		Even	Odd	ACC Zurich {C, D}
△ Hochwald DME (HOC)	47 28 00 N 007 39 56 E							
SPR - BALIR: CDR 1 H24								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Y52								
△ GOLEB	46 03 06 N 006 33 45 E							
	303°	4	FL265 / *13500 ft*	FL140		Odd		ACC Geneva {D}
△ VALBU	46 05 10 N 006 29 23 E							
	303°	7	FL265 / *10600 ft*	FL110		Odd		ACC Geneva {C, D}
△ SUVEL	46 09 05 N 006 21 04 E							
	303°	5	FL265 / *10600 ft*	FL110		Odd		ACC Geneva {C, D}
△ BIVLO	46 11 50 N 006 15 14 E							
	226°	11	FL265 / *8500 ft*	FL090		Odd		ACC Geneva {C}
△ SALEV	46 04 26 N 006 03 57 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Y58								
△ NEMOS	46 54 43 N 006 54 24 E							
	202°	16.5	FL265 / *9500 ft*	FL100		Odd		ACC Geneva {C,E}
△ VADAR	46 39 26 N 006 45 13 E							
	227°	17.0	FL265 / *9500 ft*	FL100		Odd		ACC Geneva {C,E}
△ St-Prex VOR/DME (SPR)	46 28 07 N 006 26 53 E							
	224°	18	FL265 / *7800 ft*	FL080		Odd		ACC Geneva {C}
△ Geneva DVOR/ DME (GVA)	46 15 14 N 006 07 56 E							
	192°	11	FL265 / *7800 ft*	FL080		Odd		ACC Geneva {C}
△ SALEV	46 04 26 N 006 03 57 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Y100								
△ UMTEX	47 50 15 N 009 37 27 E							
	257°	48.9	FL660 / *5500 ft*	*6000 ft*		Even		UAC Karlsruhe ACC Munchen ACC Zurich {C}
△ Trasadingen DME (TRA)	47 41 22 N 008 26 13 E							
	212°	37.5	FL245 / *6500 ft*	*7000 ft*		Odd		ACC Zurich APP Zurich {C}
△ Willisau VOR/DME (WIL)	47 10 42 N 007 54 21 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Y112								
△ RAVED	47 43 45 N 009 40 10 E							
	257°	82.9	FL660 / FL245			Even		ACC Zurich REF: AIP Germany
△ Hochwald DME (HOC)	47 28 00 N 007 39 56 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Y164								
△ MOPAN	48 14 47 N 008 09 16 E							
	201°	60.4	FL660 / FL135	FL140		Odd		ACC Zurich REF: AIP Germany {C}
△ OLBEN	47 18 16 N 007 37 46 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Y170								
△ ABREG (FIR BDRY)	46 18 25 N 009 33 05 E							
	346°	45.8	FL660 / *13500 ft*	*14000 ft*		Even		ACC Zurich {C, E}
△ ARGAX	47 03 00 N 009 17 53 E							
	348°	40.6	FL660 / *11500 ft*	*12000 ft*		Even		ACC Zurich {C, E}
△ ROMIR	47 42 47 N 009 06 28 E							
ABREG - ROMIR: CDR 1 H24								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Y223								
△ VENAT	46 14 39 N 006 35 48 E							
	122°	19	FL500 / FL165	FL170		Even		ACC Geneva {C}
△ VALOR	46 03 35 N 006 58 26 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Y224								
△ MOBLO	45 48 35 N 006 43 22 E							
	032°	18	FL500 / *17500 ft*	*18000 ft*		Even		ACC Geneva {C}
△ VALOR	46 03 35 N 006 58 26 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z1								
△ DEGES	47 24 45 N 009 12 07 E							
	059°	9.5	FL660 / *7500 ft*	*8000 ft*		Even		ACC Zurich {C, E}
△ ROMGA	47 29 26 N 009 24 13 E							
	017°	6.1	FL660 / *7500 ft*	*8000 ft*		Even		ACC Zurich {C, E}
△ BODAN	47 35 15 N 009 27 05 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z2								
△ DEGES	47 24 45 N 009 12 07 E							
	076°	16.6	FL660 / *9500 ft*	*10000 ft*		Odd		ACC Zurich {C, E}
△ DORAP (FIR BDRY)	47 28 22 N 009 36 04 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z6								
△ DEGES	47 24 45 N 009 12 07 E							
	059°	21.1	FL660 / *7500 ft*	*8000 ft*		Odd		REF: AIP Germany ACC Zurich {C, E}
△ NUNRI	47 35 12 N 009 39 09 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z50								
△ OLBEN	47 18 16 N 007 37 46 E							
	148°	7.9	FL285 / *6500 ft*	*7000 ft*		Odd		ACC Zurich {C, E}
△ ROTOS	47 11 24 N 007 43 31 E							
	108°	9.4	FL285 / *7500 ft*	*8000 ft*		Odd		ACC Zurich {C, E}
△ BERSU	47 08 08 N 007 56 29 E							
	101°	19.9	FL285 / *11500 ft*	*12000 ft*		Odd		ACC Zurich {C, D, E}
△ URIGI	47 03 32 N 008 24 49 E							
	102°	5.0	FL285 / *11500 ft*	*12000 ft*		Odd		ACC Zurich {C, E}
△ GERSA	47 02 22 N 008 31 56 E							
	116°	10.7	FL660 / *13500 ft*	*14000 ft*		Odd		ACC Zurich {C}
△ KELIP	46 57 22 N 008 45 42 E							
	116° / 296°	8.5	FL660 / *13500 ft*	*14000 ft*		Odd	Even	ACC Zurich {C}
△ SOPER	46 53 22 N 008 56 40 E							
	116° / 297°	36.7	FL660 / *15500 ft*	*16000 ft*		Odd	Even	ACC Zurich {C}
△ PELAD	46 35 56 N 009 43 33 E							
	117° / 297°	15.0	FL660 / *15500 ft*	*16000 ft*		Odd	Even	ACC Zurich {C}
△ RESIA (FIR/UIR BDRY)	46 28 42 N 010 02 36 E							
BERSU - GERSA: CDR 1 H24 KELIP - RESIA: CDR 1 H24								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z57								
△ LAMUR	46 34 47 N 007 13 53 E							
	040°	16.3	FL660 / FL155	FL160		Even		ACC Geneva {C}
△ GUDAX	46 47 05 N 007 29 25 E							
	051°	27.6	FL660 / FL115	FL120		Even		ACC Zurich {C}
△ DOPIL	47 04 12 N 008 01 00 E							
LAMUR - DOPIL: CDR 1 H24								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z58								
△ BERSU	47 08 08 N 007 56 29 E							
	030°	38.9	FL660 / *7500 ft*	*8000 ft*		Even		ACC Zurich {C}
△ Trasadingen DME (TRA)	47 41 22 N 008 26 13 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z59								
△ KONOL	46 59 43 N 007 40 51 E							
	316°	24.9	FL195 / *6500 ft*	*7000 ft*		Even		ACC Zurich {C, E}
△ BALIR	47 18 30 N 007 16 53 E							
	316°	7.9	FL195 / *6500 ft*	*7000 ft*		Even		ACC Zurich {C, E}
△ LUMEL	47 24 26 N 007 09 14 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z60								
△ AMRID	46 56 05 N 007 19 33 E							
	202°	10.3	FL195 / *7500 ft*	*8000 ft*		Odd		ACC Geneva {C, D, E}
△ Fribourg VOR/ DME (FRI)	46 46 39 N 007 13 25 E							
	248°	20.7	FL660 / *7600 ft*	*8000 ft*		Even		ACC Geneva {C, E}
△ VADAR	46 39 26 N 006 45 13 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z61								
△ SOSAL	46 33 29 N 006 53 04 E							
	047°	19.2	FL660 / *7500 ft*	*8000 ft*		Even		ACC Geneva {C, E}
△ Fribourg VOR/ DME (FRI)	46 46 39 N 007 13 25 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z62								
△ DEREM	46 21 24 N 006 10 34 E							
	087°	5	FL195 / *7000 ft*	*8000 ft*		Odd		ACC Geneva {C}
△ NAMEL	46 21 28 N 006 17 00 E							
	087°	10	FL195 / FL095	FL100		Odd		ACC Geneva {C, E}
△ TINAM	46 21 36 N 006 31 50 E							
	049°	8	FL195 / FL095	FL100		Odd		ACC Geneva {C, E}
△ MOLUS	46 26 38 N 006 40 46 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z63								
△ KONIL	46 34 06 N 006 27 30 E							
	092°	17.7	FL500 / *7500 ft*	*8000 ft*		Odd		ACC Geneva {C, E}
△ SOSAL	46 33 29 N 006 53 04 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z64								
△ LIRKO	46 34 15 N 005 48 52 E							
	100°	27	FL500 / FL115	FL120		Odd		ACC Geneva {C}
△ St-Prex VOR/DME (SPR)	46 28 07 N 006 26 53 E							
	097° / 277°	10	FL500 / FL095	FL100		Odd	Even	ACC Geneva {C}
△ MOLUS	46 26 38 N 006 40 46 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z65								
△ St-Prex VOR/DME (SPR)	46 28 07 N 006 26 53 E							
	247° / 067°	9.2	FL500 / *6500 ft*	*7000 ft*		Odd	Even	ACC Geneva {C}
△ Gland NDB (GLA)	46 24 31 N 006 14 39 E							
	247°	16	FL500 / *7900 ft*	*8000 ft*		Odd		ACC Geneva {C, E}
△ MILPA	46 18 09 N 005 52 47 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z67								
△ VENAT	46 14 39 N 006 35 48 E							
	053°	33	FL500 / FL155	FL160		Even		ACC Geneva REF: AIP France {C}
△ LAMUR	46 34 47 N 007 13 53 E							
	025°	17.9	FL500 / FL155	FL160		Even		ACC Geneva {C}
△ KORED	46 51 02 N 007 24 51 E							
VENAT - KORED: CDR 1 H24								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z69								
△ Trasadingen DME (TRA)	47 41 22 N 008 26 13 E							
	235°	40.2	FL660 / FL135	FL140		Odd		ACC Zurich {C}
△ OLBEN	47 18 16 N 007 37 46 E							
TRA - OLBEN: CDR 1 H24 By ATC: Alternative route via Z669								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z83								
△ DETRI	46 36 22 N 008 48 54 E							
	110° / 291°	20.5	FL195 / *15000 ft*	*16000 ft*		Odd	Even	ACC Zurich {C}
△ ULGOD	46 28 55 N 009 16 31 E							
	102° / 282°	7.9	FL195 / FL155	FL160		Odd	Even	ACC Zurich {C}
△ ROSGO	46 27 10 N 009 27 41 E							
	075° / 255°	13.1	FL195 / *15000 ft*	*16000 ft*		Odd	Even	ACC Zurich {C}
△ GUGSA	46 30 23 N 009 46 00 E							
DETRI - GUGSA: CDR 3 H24								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z90								
△ Hochwald DME (HOC)	47 28 00 N 007 39 56 E							
	147° / 328°	19.9	FL095 / *6500 ft*	*7000 ft*		Odd	Even	ACC Zurich {D, E}
△ Wilisau VOR/DME (WIL)	47 10 42 N 007 54 21 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z119								
△ SOSON	46 36 24 N 008 35 39 E							
	089° / 269°	9.1	FL245 / *15000 ft*	*16000 ft*		Odd	Even	ACC Zurich {C}
△ DETRI	46 36 22 N 008 48 54 E							
	089° / 269°	6.9	FL245 / *15000 ft*	*16000 ft*		Odd	Even	ACC Zurich {C}
△ PIXOS	46 36 19 N 008 58 59 E							
	089° / 269°	30.7	FL245 / *15000 ft*	*16000 ft*		Odd	Even	ACC Zurich {C}
△ PELAD	46 35 56 N 009 43 33 E							
	063° / 243°	18.5	FL245 / *15000 ft*	*16000 ft*		Odd	Even	ACC Zurich {C}
△ ARDED	46 44 07 N 010 07 40 E							
	063° / 243°	6.0	FL245 / *15000 ft*	*16000 ft*		Odd	Even	ACC Zurich {C}
△ RONAG	46 46 46 N 010 15 32 E							
	359° / 179°	21.5	FL245 / *15800 ft*	*16000 ft*		Odd	Even	ACC Zurich / ACC Munich REF: AIP Austria {C}
△ KUSAM	47 08 14 N 010 16 55 E							
DETRI - KUSAM: CDR 1 H24								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z138								
△ KESEX	47 14 05 N 008 43 00 E							
	038°	16.1	FL660 / *8500 ft*	*9000 ft*		Even		ACC Zurich {C}
△ KUDIS	47 26 28 N 008 58 01 E							
	099°	9.7	FL660 / *8500 ft*	*9000 ft*		Odd		ACC Zurich {C}
△ DEGES	47 24 45 N 009 12 07 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z141								
△ MEBOX	47 05 10 N 007 36 33 E							
	075°	13.9	FL195 / *5500 ft*	*6000 ft*		Even		ACC Zurich above FL 105 APP Bern below FL 105 {C, E}
△ BERSU	47 08 08 N 007 56 29 E							
	005°	39.0	FL245 / *6500 ft*	*7000 ft*		Even		ACC Zurich REF: AIP Germany {C, E}
△ AMRUP	47 46 45 N 008 04 37 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z142								
△ RAMOK	47 01 20 N 007 41 03 E							
	320°	4.9	FL195 / *5200 ft*	*6000 ft*		Even		ACC Zurich above FL105 APP Bern below FL105 {C, E}
△ MEBOX	47 05 10 N 007 36 33 E							
	314°	18.9	FL195 / *5900 ft*	*7000 ft*		Even		ACC Zurich above FL105 APP Bern below FL105 {C, E}
△ BALIR	47 18 30 N 007 16 53 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z143								
△ RAMOK	47 01 20 N 007 41 03 E							
	056°	12.5	FL195 / *5700 ft*	*6000 ft*		Even		ACC Zurich above FL105 APP Bern below FL105 {C, E}
△ BERSU	47 08 08 N 007 56 29 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z144								
△ AMRID	46 56 05 N 007 19 33 E							
	237°	15.1	FL195 / *6300 ft*	*8000 ft*		Odd		ACC Geneva {C, E}
△ ESEVA	46 48 08 N 007 00 53 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z162								
△ ROLSA	47 17 23 N 008 53 21 E							
	350°	18.4	FL660 / *8500 ft*	*9000 ft*		Even		ACC Zurich {C}
△ Zurich East VOR/ DME (ZUE)	47 35 32 N 008 49 04 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z163								
△ Zurich East VOR/ DME (ZUE)	47 35 32 N 008 49 04 E							
	091°	25.7	FL660 / *8500 ft*	*9000 ft*		Odd		ACC Zurich {C, E}
△ BODAN	47 35 15 N 009 27 05 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z170								
△ ARGAX	47 03 00 N 009 17 53 E							
	329°	27.1	FL660 / *10000 ft*	*11000 ft*		Even		ACC Zurich {C, E}
△ KUDIS	47 26 28 N 008 58 01 E							
	351°	20.8	FL660 / FL245	FL250		Even		ACC Zurich {C}
△ SONOM (UIR BDRY)	47 47 03 N 008 53 46 E							
ARGAX - KUDIS: CDR 1 H24								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z408								
△ TIRUL	47 03 26 N 010 31 43 E							
	211°	20.0	FL195 / *15800 ft*	*16000 ft*		Odd		ACC Munich / ACC Zurich REF: AIP Austria {C}
△ RONAG	46 46 46 N 010 15 32 E							
TIRUL - RONAG: CDR 1 H24								

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z424								
△ DEGAD	46 26 10 N 008 37 06 E							
	211° / 031°	11.5	FL660 / FL175	FL180		Odd		ACC Zurich {C}
△ BASGO	46 16 23 N 008 28 20 E							
	173° / 353°	9.8	FL305 / FL175	FL180		Odd		ACC Zurich ACC Milano REF: AIP Italy
▲ AKASU	46 06 35 N 008 29 44 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z600								
△ Willisau VOR/ DME (WIL)	47 10 42 N 007 54 21 E							
	111° / 291°	24.2	FL195 / 2000 ft AGL	*7000 ft*		Even	Odd	{C, E}
△ LEPLA	47 20 36 N 007 21 58 E							
	111° / 291°	9.5	FL195 / 2000 ft AGL	*7000 ft*		Even	Odd	{C, E}
△ LUMEL	47 24 26 N 007 09 14 E							
	116° / 296°	20	FL195 / FL085	FL090		Even	Odd	ACC Reims / APP Bâle / ACC Zurich / REF: AIP France {C, D, E}
▲ Hericourt NDB (HR)	47 33 42 N 006 43 56 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z601								
△ ROTOS	47 11 24 N 007 43 31 E							
	092° / 272°	7.4	FL195 / *7500 ft*	*8000 ft*		Even	Odd	APP Bern ACC Zurich {C, E}
△ Willisau VOR/ DME (WIL)	47 10 42 N 007 54 21 E							
	013° / 193°	20.4	FL095 / *7500 ft*	*8000 ft*		Odd	Even	APP Bern APP Zurich {C, E}
△ GIPOL	47 30 19 N 008 02 27 E							
	052° / 233°	19.5	FL095 / *7500 ft*	*8000 ft*		Odd	Even	APP Zurich {C}
△ Trasadingen DME (TRA)	47 41 22 N 008 26 13 E							
	108° / 288°	16.5	FL095 / *5500 ft*	*6000 ft*		Odd	Even	APP Zurich {C}
△ Zurich East DVOR/DME (ZUE)	47 35 32 N 008 49 04 E							
	087° / 268°	25.7	FL095 / *5500 ft*	*6000 ft*		Odd	Even	APP Zurich {C, E}
△ BODAN (FIR BDRY)	47 35 15 N 009 27 05 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z651								
△ CANNE	46 10 00 N 008 52 52 E							
	354°	26.5	FL660 / *13500 ft*	*14000 ft*		Even		ACC Zurich {C}
△ DETRI	46 36 22 N 008 48 54 E							
	354°	21.1	FL660 / *13500 ft*	*14000 ft*		Even		ACC Zurich {C}
△ KELIP	46 57 22 N 008 45 42 E							
	354°	6.8	FL660 / *13500 ft*	*14000 ft*		Even		ACC Zurich {C}
△ MOSIT	47 04 09 N 008 44 38 E							
	354°	8.2	FL660 / *8500 ft*	*9000 ft*		Even		ACC Zurich {C}
△ MANEG	47 12 15 N 008 43 20 E							
	354°	1.9	FL660 / *8500 ft*	*9000 ft*		Even		ACC Zurich {C}
△ KESEX	47 14 05 N 008 43 00 E							
	010°	21.8	FL660 / *8500 ft*	*9000 ft*		Even		ACC Zurich {C}
△ Zurich East VOR/ DME (ZUE)	47 35 32 N 008 49 04 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z652								
△ KESEX	47 14 05 N 008 43 00 E							
	333°	29.6	FL660 / *8500 ft*	*9000 ft*		Even		ACC Zurich {C, E}
△ Trasadingen DME (TRA)	47 41 22 N 008 26 13 E							
	338°	35.3	FL245 / *7500 ft*	*8000 ft*		Even		ACC Zurich {C, E}
△ MOPAN	48 14 47 N 008 09 16 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z653								
△ KESEX	47 14 05 N 008 43 00 E							
	064°	7.8	FL660 / *9000 ft*	*9500 ft*		Even		ACC Zurich {C, E}
△ ROLSA	47 17 23 N 008 53 21 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z669								
△ Trasadingen DME (TRA)	47 41 22 N 008 26 13 E							
	224°	41.7	FL660 / FL135	FL140		Odd		ACC Zurich {C}
△ ROTOS	47 11 24 N 007 43 31 E							
	232°	15.7	FL660 / FL095	FL100		Odd		ACC Zurich {C, E}
△ BADEP	47 01 38 N 007 25 28 E							
	232°	6.9	FL660 / FL095	FL100		Odd		ACC Zurich {C, E}
△ ULMES	46 57 18 N 007 17 33 E							
	232°	14.7	FL660 / FL095	FL100		Odd		ACC Geneva {C, E}
△ ESEVA	46 48 08 N 007 00 53 E							
	232°	13.8	FL660 / FL095	FL100		Odd		ACC Geneva {C, E}
△ VADAR	46 39 26 N 006 45 13 E							
	238°	42	FL500 / FL095	FL100		Odd		ACC Geneva {C, E}
△ MILPA	46 18 09 N 005 52 47 E							

Route Designator {RNP Type}	[Route Usage Notes]							
Significant Point Name	Significant Point Coordinates							Remarks
{RNP Type}	Track MAG	Dist (NM)	Upper limit / Lower limit	Minimum enroute altitude	Lateral limits (NM)	Direction of cruising levels ↓	Direction of cruising levels ↑	Controlling unit {Airspace class} Remarks
Z671								
△ DITON	47 18 08 N 008 20 00 E							
	091°	22.7	FL660 / *9000 ft*	*9500 ft*		Even		ACC Zurich {C, E}
△ ROLSA	47 17 23 N 008 53 21 E							

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ENR 4 RADIO NAVIGATION AIDS/SYSTEMS

ENR 4.1 RADIO NAVIGATION AIDS - EN-ROUTE

Name of station (VOR: VAR)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	**2**	**3**	**4**	**5**	**6**	**7**
BÂLE-MULHOUSE DVOR/DME	-	-	-	-	-	REF: AIP France
CORVATSCH DME	CVA	(CH 57Y)	H24	46 25 05N 009 49 18E	*10987 ft*	DOC 80 NM / 50'000 ft. Paired VOR FREQ 112.05 MHz.
FRIBOURG VOR/DME (VAR 3° E)	FRI	110.85 MHz (CH 45Y)	H24	46 46 39.3N 007 13 24.6E	*2659 ft*	DOC 40 NM / 50'000 ft, range 100 NM in sector 195° - 255°. VOR FRI not usable between FRI and SPR (DME FRI is usable).
GENEVA DVOR/DME (VAR 2° E)	GVA	115.75 MHz (CH 104Y)	H24	46 15 14.1N 006 07 56.0E	*1377 ft*	PSN: 044°MAG, 563 m FM Genève THR 22. DOC 50 NM / 25'000 ft. FRA (I)
GLAND NDB	GLA	375 kHz	H24	46 24 31.3N 006 14 39.3E	-	PSN: 031°MAG, 11.6 NM FM Genève ARP. EM: N0N / A2A. Service range 25 NM.
HOCHWALD DME	HOC	(CH 79X)	H24	47 27 59.6N 007 39 55.6E	*2425 ft*	DOC 60 NM / 50'000 ft, range 85 NM in sector 30° - 120°. Paired VOR FREQ 113.20 MHz. FRA (X): Even FL
LA PRAZ DME	LAP	(CH 43Y)	H24	46 40 34N 006 24 48E	*4244 ft*	DOC 80 NM / 50'000 ft, range 70 NM in sector 195° - 255°. Paired VOR FREQ 110.65 MHz.
LES EPLATURES NDB	LPS	403 kHz	H24	47 05 00.4N 006 47 35.7E	-	EM: N0N / A2A Service range 15 NM
PASSEIRY DVOR/DME (VAR 2° E)	PAS	116.60 MHz (CH 113X)	H24	46 09 49.3N 005 59 59.7E	*1415 ft*	PSN: 224°MAG, 5.5 NM FM Genève THR 04. DOC 80 NM / 50'000 ft.
ST-PREX VOR/DME (VAR 3° E)	SPR	113.90 MHz (CH 86X)	H24	46 28 07.3N 006 26 53.0E	*1252 ft*	PSN: 046°MAG, 18.7 NM FM Genève THR 22. DOC 100 NM / 50'000 ft.
TRASADINGEN DME	TRA	(CH 90X)	H24	47 41 22.2 N 008 26 13.1E	*1850 ft*	PSN: 343°MAG, 13.5 NM FM Zurich THR 16. DOC 100 NM / 50'000 ft. Paired VOR FREQ 114.30 MHz. FRA (I)
WEISSFLUHGIPFEL DME	WFJ	(CH 84Y)	H24	46 50 04.5N 009 47 42.5E	*9478 ft*	DOC 80 NM / 50'000 ft. Paired VOR FREQ 113.75 MHz.
WILLISAU VOR/DME (VAR 3° E)	WIL	116.90 MHz (CH 116X)	H24	47 10 41.9N 007 54 21.3E	*2417 ft*	DOC 50 NM / 25'000 ft, range 80 NM in sector 0° - 105°.
ZURICH EAST DVOR/DME (VAR 3° E)	ZUE	110.05 MHz (CH 37Y)	H24	47 35 31.8N 008 49 03.6E	*1730 ft*	PSN: 054°MAG, 13.6 NM FM Zurich ARP. DOC 80 NM / 50'000 ft.

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ENR 4.4 NAME CODE DESIGNATORS FOR SIGNIFICANT POINTS

Name-code designator	Coordinates WGS84	ATS route or other route	Remarks
1	2	3	4
ABARI	47 24 59 N 006 56 33 E		
ABESI	46 09 35 N 009 02 34 E	N851	FRA (E): Even FL
ABNOR	46 59 24.4 N 007 15 06.7 E		IAC LSHI PinS
ABREG	46 18 25 N 009 33 05 E	Y170	FRA (E): Even FL Refer to AIP Italy
AGERI	47 07 01.7 N 008 36 18.1 E	M858	MIL PROC LSME, STAR LSZC
AKABI	47 43 01 N 009 14 00 E	L856	
AKASU	46 06 35 N 008 29 44 E	Z424	Refer to AIP Italy
ALAGO	47 47 59.0 N 009 27 46.0 E		SID LSZR Refer to AIP Germany
ALINE	47 55 28 N 007 56 47 E	T718	Refer to AIP Germany
ALOXO	47 46 01 N 009 58 13 E		Refer to AIP Germany
AMIKI	47 34 26.0 N 009 02 15.0 E		STAR LSZH, HLDG LSZH, RNAV Transition LSZH, SID LSZR
AMRID	46 56 05.4 N 007 19 32.8 E	Z60, Z144, KQ862	SID/STAR LSZB
AMRUP	47 46 45 N 008 04 37 E	N491, Z141	Refer to AIP Germany
AOSTA	45 47 47 N 007 20 45 E		FRA (E): Even FL Refer to AIP Italy
ARDED	46 44 07 N 010 07 40 E	Z119	
ARGAX	47 03 00 N 009 17 53 E	L613, Y170, Z170	FRA (I)
ARNOT	47 24 08.0 N 006 55 12.0 E	T14	STAR LSGC Refer to AIP France
ARSUT	48 10 00 N 009 19 43 E		Refer to AIP Germany
ARTAG	47 09 52.5 N 008 30 50.3 E	T53	SID LSZH
ARVAN	47 13 53.0 N 007 43 41.0 E	T901	IAC, HLDG LSZG
ASBER	46 53 25.9 N 007 15 52.8 E	KQ861, KQ862, KQ864	
ASGED	47 14 08.8 N 008 34 13.8 E	M858	MIL PROC LSME, MIL PROC LSMD, STAR LSZC
ASSEQ	46 13 24 N 006 30 57 E	B46	Refer to AIP France

Name-code designator	Coordinates WGS84	ATS route or other route	Remarks
1	2	3	4
BADEP	47 01 38 N 007 25 28 E	Z669	FRA (I)
BALIR	47 18 29.9 N 007 16 53.5 E	T52, Y51, Z59, Z142	SID/STAR LSGC; HLDG LFSB
BANKO	45 49 12.0 N 007 03 17.0 E	L50	STAR LSGG Refer to AIP Italy
BARIG	47 16 07 N 008 33 40 E	M858, Y5	
BASGO	46 16 23 N 008 28 20 E	Z424	FRA (I)
BEGAR	47 54 30 N 007 35 00 E		FRA (E): Odd FL FRA (X): BTN 2300-0500 (2200-0400) Refer to AIP Germany/France
BENOT	47 03 27.7 N 007 10 22.1 E	N869	STAR LSGG FRA (A): LSGG FRA (I)
BERSU	47 08 07.9 N 007 56 28.7 E	N871, Z50, Z58, Z141, Z143	HLDG; STAR LSZH FRA (I)
BIBAN	45 55 32 N 007 27 03 E		FRA (X): Odd FL Refer to AIP Italy
BIBOT	46 45 05 N 006 24 37 E		
BIRKI	47 00 46.6 N 007 22 34.8 E	T627, KQ862	SID/STAR, IAC, HLDG LSZB; SID LSZG; MIL PROC LSMP
BIVLO	46 11 49.8 N 006 15 13.8 E	Y52	STAR LSGG Refer to AIP Italy
BODAN	47 35 15 N 009 27 05 E	Z1, Z163, Z601	Refer to AIP Germany
BUPIG	46 45 11.8 N 008 07 34.0 E		IAC LSMM PinS
CANNE	46 10 00.0 N 008 52 52.0 E	M858, Z651	SID LSZA FRA (E): Even FL
CERVI	45 58 12 N 007 32 43 E		FRA (E): Even FL Refer to AIP Italy
DANZE	47 19 16 N 007 50 17 E	T51	
DEGAD	46 26 10 N 008 37 06 E	N850, Z424	FRA (I)
DEGES	47 24 45.0 N 009 12 07.0 E	KQ831, KY251, N491, N871, Z1, Z2, Z6, Z138	SID LSZH FRA (I)
DEKAM	47 14 24.2 N 007 06 45.5 E	T625, Y51	SID/STAR LSGC
DEREM	46 21 23.9 N 006 10 34.5 E	Z62	SID LSGG
DETRI	46 36 22 N 008 48 54 E	Z83, Z119, Z651	

Name-code designator	Coordinates WGS84	ATS route or other route	Remarks
1	2	3	4
DEVDI	47 44 20 N 007 32 52 E		FRA (E): Odd FL Refer to AIP France/Germany
DIBIV	46 28 00 N 009 40 00 E	Test Flight pattern East A9	
DINIG	46 29 43.0 N 005 53 26.0 E		STAR LSGG, HLDG Refer to AIP France
DINOX	46 40 00 N 006 07 11 E	A1	Refer to AIP France
DITON	47 18 08 N 008 20 00 E	L613, N871, T103, T163, Z671	FRA (I)
DOPIL	47 04 12.0 N 008 01 00.0 E	Z57	STAR LSZH
DORAP	47 28 22 N 009 36 04 E	Z2	
DOUCI	47 23 08 N 007 02 03 E	T626	
EDUMI	47 45 40.7 N 008 27 31.0 E		IAC LSZH
EKTUM	47 22 08 N 008 01 28 E	T125	
ELBEG	47 41 49 N 007 44 58 E	Y3	Refer to AIP Germany
ELMUR	47 09 24.4 N 008 54 27.4 E	L613, N851, T718	MIL PROC LSME FRA (I)
EMKIL	48 10 27 N 008 45 53 E		Refer to AIP Germany
EMGUT	46 03 56 N 006 18 19 E	B37	Refer to AIP France
EMMEF	45 01 06 N 006 38 50 E		FRA (E) Refer to AIP France
ENONO	47 35 53 N 008 32 03 E	T125	
ESAPI	45 53 23.6 N 006 17 24.9 E	J41	SID LSGG Refer to AIP France
ESEVA	46 48 07.6 N 007 00 52.8 E	W112, Z144, Z669	STAR LSGG
ESOKO	45 52 39 N 007 05 50 E		FRA (I)
ETEKI	46 44 10.8 N 006 44 21.4 E	KQ811	IAC LSMP
ETIXO	46 41 18.9 N 007 44 40.0 E		IAC LSMM PinS
ETOXU	47 43 33.0 N 009 33 02.0 E		STAR LSZH Refer to AIP Germany
EVANO	45 20 15 N 008 45 39 E		Refer to AIP Italy

Name-code designator	Coordinates WGS84	ATS route or other route	Remarks
1	2	3	4
FLORY	46 54 31.2 N 006 35 06.1 E	Y51	SID/STAR, IAC LSGC, SID LSGG
FOFRA	46 58 24 N 006 40 30 E		MIL HLDG
GAMSA	47 24 30 N 009 39 07 E	N871	FRA (EIX) Refer to AIP Austria
GARMO	47 47 35 N 009 18 01 E		FRA (I) Refer to AIP Germany
GATPI	48 02 48 N 007 41 13 E		Refer to AIP Germany
GEMLA	45 34 20 N 006 20 23 E		FRA (E) Refer to AIP France
GERSA	47 02 21.7 N 008 31 55.6 E	N850, T53, Z50	SID LSZH FRA (I)
GIGUS	45 23 23 N 006 26 30 E		FRA (E): BTN 2300-0500 (2200-0400) FRA (X) Refer to AIP France
GILIR	47 03 48 N 006 14 21 E	T330	FRA (EX) Refer to AIP France
GIPOL	47 30 19.0 N 008 02 27.0 E	Y3, Z601	STAR LSZH, HLDG LSZH, RNAV Transition LSZH
GIRKU	46 03 05 N 005 54 17 E		FRA (I) Refer to AIP France
GODRA	46 35 34 N 007 42 32 E		FRA (I)
GOLEB	46 03 06.0 N 006 33 45.0 E	Y52	HLDG, STAR LSGG; SID LSGS Refer to AIP France
GUDAX	46 47 05.0 N 007 29 25.0 E	Z57	MIL PROC LSME FRA (A): LSZH
GUGSA	46 30 23 N 009 46 00 E	Z83	HLDG
HERBI	48 29 27 N 008 14 37 E		Refer to AIP Germany
IBINI	48 10 09 N 008 34 51 E		Refer to AIP Germany
IBODI	46 57 13 N 005 54 00 E		FRA (X): Even FL Refer to AIP France
INCUS	45 51 17 N 006 02 38 E		FRA (X): Odd FL Refer to AIP France
INSIL	46 56 57.7 N 007 24 31.4 E		IAC LSHI PinS
INTEB	46 56 25.2 N 007 15 29.9 E		IAC LSHI PinS
INTEG	47 09 02 N 009 56 09 E		FRA (I) Refer to AIP Austria
IRMAR	44 48 00 N 006 47 26 E		FRA (E): Even FL Refer to AIP France

Name-code designator	Coordinates WGS84	ATS route or other route	Remarks
1	2	3	4
IXILA	46 45 13.5 N 008 02 37.4 E		IAC LSMM PinS
KELIP	46 57 22.3 N 008 45 42.0 E	Z50, Z651	STAR LSZH
KENTY	46 25 37 N 005 12 46 E		FRA (I) Refer to AIP France
KESEX	47 14 05 N 008 43 00 E	Z138, Z651, Z652, Z653	FRA (I)
KINES	45 19 52.9 N 006 45 19.1 E		STAR LSGG FRA (A): LSGG Refer to AIP France
KINNI	46 05 20.0 N 006 12 42.1 E		FRA (I) Refer to AIP France
KOGAS	45 48 30 N 006 23 27 E		FRA (I) Refer to AIP France
KONIL	46 34 06.4 N 006 27 30.1 E	Z63	SID LSGG
KONOL	46 59 43 N 007 40 51 E	N871, Z59	
KOPPI	47 06 15.0 N 007 25 55.0 E	T627	STAR LSZB
KORED	46 51 02 N 007 24 51 E	N871, Z67	FRA (A): LSZH FRA (D): LSGG FRA (I)
KOVAR	46 23 31 N 005 49 01 E	B37	Refer to AIP France
KUBOM	47 26 10 N 006 56 45 E		Refer to AIP France
KUDIS	47 26 28 N 008 58 01 E	N851, T103, Z138, Z170	
KUKEV	45 39 10 N 007 12 29 E		FRA (E): Even FL Refer to AIP Italy
KUSAM	47 08 14 N 010 16 55 E	Z119	Refer to AIP Austria
LADOL	48 10 00 N 008 57 12 E		FRA (I): Even FL Refer to AIP Germany
LAMUR	46 34 47 N 007 13 53 E	Z57, Z67	FRA (I)
LAPRI	44 58 49 N 007 09 36 E		FRA (X): Odd FL Refer to AIP Italy
LASUN	47 24 51 N 007 32 15 E	T14, T51, Y51	
LEPLA	47 20 36.1 N 007 21 58.0 E	Y51, Z600	SID/STAR LSGC
LIRKO	46 34 15.4 N 005 48 51.5 E	Z64	STAR LSGG Refer to AIP France
LISMO	46 52 14 N 005 46 41 E	A41	Refer to AIP France

Name-code designator	Coordinates WGS84	ATS route or other route	Remarks
1	2	3	4
LOKTA	48 10 00 N 009 10 58 E		FRA (I): FL245-FL660, Even FL FRA (X): FL195-FL245, Even FL Refer to AIP Germany
LORBU	46 43 45.7 N 006 31 44.1 E	Y51	SID LSGG
LUGAN	46 00 13.1 N 008 54 37.0 E	KY252	SID/STAR LSZA
LUKOM	46 35 06 N 008 45 31 E	M858, W112	
LUMEG	47 03 23.0 N 008 23 09.0 E		MIL PROC LSZC
LUMEL	47 24 26 N 007 09 14 E	T10, T14, T52, Z59, Z600	
LURAG	45 31 40 N 007 05 20 E		FRA (X): Odd FL Refer to AIP Italy
LUSAR	46 40 08.0 N 005 10 46.1 E		STAR LSGG FRA (E): Odd FL Refer to AIP France
LUTIX	47 09 54 N 007 22 14 E	N869, T163, T626, T627	FRA (I)
MANEG	47 12 15 N 008 43 20 E	L613, Z651	FRA (I)
MARER	46 56 52.5 N 007 23 04.1 E		IAC LSHI PinS
MATIV	47 35 35.0 N 009 11 32.0 E		STAR LSZH, MIL PROC LSMD
MEBOX	47 05 10.4 N 007 36 33.5 E	KQ862, Y5, Z141, Z142	SID LSZB
MEDAM	45 15 52.0 N 006 56 24.1 E		SID LSGG FRA (I) FRA (D): LSGG Refer to AIP France
MILPA	46 18 09 N 005 52 47 E	N869, Y1, Z65, Z669	FRA (I) Refer to AIP France
MOBLO	45 48 35 N 006 43 22 E	Y224	FRA (I) Refer to AIP France
MOKIP	46 26 56 N 005 05 37 E		FRA (E): Odd FL Refer to AIP France
MOLUS	46 26 38.0 N 006 40 46.0 E	J32, N871, T330, Z62, Z64	SID LSGG FRA (I) Refer to AIP France
MONIN	46 41 03.4 N 007 59 18.3 E	W112	SID/STAR LSZB
MOPAN	48 14 47 N 008 09 16 E	Y164, Z652	FRA (E): FL195-FL245, Odd FL FRA (I): FL245-FL660, Odd FL Refer to AIP Germany
MOREG	46 23 35 N 006 00 26 E	J32	Refer to AIP France

Name-code designator	Coordinates WGS84	ATS route or other route	Remarks
1	2	3	4
MOROK	47 23 48 N 006 39 20 E		Refer to AIP France
MOSIT	47 04 08.7 N 008 44 37.7 E	Z651	STAR LSZH, HLDG
NAMEL	46 21 28 N 006 17 00 E	Z62	Refer to AIP France
NATLI	47 29 31 N 007 30 26 E		Refer to AIP France
NATOR	48 10 12.0 N 008 19 17.0 E	N869	STAR LSZH FRA (E): FL195-FL245, Odd FL FRA (I): FL245-FL660, Odd FL Refer to AIP Germany
NAXOL	46 52 25.2 N 007 48 03.2 E		MIL PROC LSME
NEGRA	47 43 20.0 N 009 25 37.9 E		STAR LSZH FRA (I) Refer to AIP Germany
NEMAG	47 14 53.0 N 007 50 06.0 E	T901	IAC LSZG
NEMOS	46 54 43.0 N 006 54 23.6 E	N869, Y58	STAR LSGG FRA (I)
NINTU	46 08 50 N 005 33 11 E		FRA (X): Odd FL Refer to AIP France
NISPI	46 56 40.9 N 007 19 51.7 E		IAC LSHI PinS
NITAM	45 06 21.8 N 007 09 27.7E		FRA (X): Odd FL Refer to AIP Italy
NIVIN	46 42 52 N 005 51 58 E		Refer to AIP France
NULXO	46 36 38 N 007 27 39 E		MIL HLDG
NUNRI	47 35 12 N 009 39 09 E	T103, Z6	FRA (X) Refer to AIP Germany
NUSBA	46 06 24 N 005 42 48 E		FRA (X): Odd FL Refer to AIP France
OBEDU	47 15 29 N 008 15 18 E	T53	
ODIKI	45 56 32.2 N 006 20 36.6 E	G32	SID LSGG Refer to AIP France
ODINA	46 06 15.8 N 008 39 53.7 E	N850	STAR LSZA FRA (X): Odd FL Refer to AIP Italy
OLBEN	47 18 16 N 007 37 46 E	N869, Y164, Z50, Z69	FRA (I)
OLBOX	47 09 00 N 009 21 00 E	Test Flight pattern East A9	
OLNAV	47 08 00 N 009 14 00 E	Test Flight pattern East A9	

Name-code designator	Coordinates WGS84	ATS route or other route	Remarks
1	2	3	4
OMASI	45 54 22 N 005 58 27 E		FRA (E): Even FL Refer to AIP France
OMIDO	47 14 58 N 008 27 03 E	T53	
ONNOF	45 57 14 N 005 54 51 E		FRA (X): Odd FL Refer to AIP France
ORSUD	45 57 28 N 007 10 54 E		FRA (I)
OSDOV	47 26 24 N 010 11 00 E		Refer to AIP Germany
OSKUP	47 10 07 N 007 36 33 E	T625, T626	
OSNOG	47 11 42.5 N 008 37 36.1 E	KY251, KY257	
PELAD	46 35 56.0 N 009 43 33.0 E	Z50, Z119	HLDG; IAC, SID LSZS
PERAK	46 02 47 N 006 24 35 E		Refer to AIP France
PETAL	46 22 04.9 N 006 18 01.3 E	G5	SID/STAR, IAC LSGG
PINAM	46 43 25.4 N 007 57 43.8 E		IAC LSMM PinS
PIXOS	46 36 19 N 008 58 59 E	N851, Z119	
PUNSA	46 04 43 N 008 01 33 E		FRA (E): Even FL Refer to AIP Italy
PUXXI	46 49 12 N 008 16 52 E		MIL HLDG
RAMOK	47 01 20.2 N 007 41 03.0 E	KQ868, T125, Z142, Z143	SID LSZB
RAVED	47 43 45.0 N 009 40 10.0 E	Y112	HLDG FRA (E): Even FL FRA (I): Even FL Refer to AIP Germany
RESIA	46 28 42 N 010 02 36 E	Z50	FRA (EX)
REVLI	46 35 11 N 006 44 36 E	A41, G5	
RIGVI	48 07 57 N 007 30 13 E		Refer to AIP France/Germany
RILAX	47 56 34.3 N 008 30 48.8 E	T721	STAR LSZH, HLDG LSZH, RNAV Transition LSZH Refer to AIP Germany
RIPUS	47 15 37 N 008 30 00 E	L613, N850	FRA (I)
RISLI	47 27 11 N 008 30 27 E	M858	

Name-code designator	Coordinates WGS84	ATS route or other route	Remarks
1	2	3	4
ROBEX	45 06 54 N 006 35 38 E		FRA (E): Odd FL Refer to AIP France/Italy
ROCCA	45 44 43.0 N 006 38 44.1 E		SID/STAR LSGG, SID LSGS Refer to AIP France
ROLSA	47 17 23.0 N 008 53 21.0 E	N851, Z162, Z653, Z671	STAR LSZR FRA (I)
ROMGA	47 29 26 N 009 24 13 E	Z1	
ROMIR	47 42 47 N 009 06 28 E	L856, N851, T125, T625, Y170	FRA (I) Refer to AIP Germany
ROMOM	46 40 52.3 N 006 58 13.9 E	G5	STAR LSGG
RONAG	46 46 45.9 N 010 15 32.4 E	L613, Z119, Z408	HLDG; IAC, SID LSZS FRA (I)
RONIX	47 13 34.5 N 008 27 25.2 E	KQ821, KY256, T734	MIL PROC LSME, STAR LSZC, HLDG LSZC
RONOP	45 11 09 N 007 09 23 E		FRA (E): Even FL Refer to AIP Italy
ROSGO	46 27 10 N 009 27 41 E	Z83	Refer to AIP Italy
ROTOS	47 11 23.6 N 007 43 30.6 E	T50, T163, Z50, Z601, Z669	STAR LSZB
RUMIL	45 51 42.8 N 005 58 53.2 E	R226	SID LSGG Refer to AIP France
SAFFA	46 44 13 N 010 24 16 E		FRA (E): Even FL Refer to AIP Italy
SALEV	46 04 25.6 N 006 03 57.4 E	Y52, Y55, Y56, Y58	STAR LSGG Refer to AIP France
SARWA	47 09 40 N 009 14 39 E		MIL HLDG
SIROD	46 43 37.3 N 006 01 10.4 E		SID LSGG Refer to AIP France
SITOR	47 30 36.7 N 009 20 10.5 E	KY251	SID/STAR LSZR
SOFIK	46 16 24 N 006 37 57 E	A1	Refer to AIP France
SONGI	47 46 40.0 N 008 43 55.0 E	T734	SID LSZH, RNAV Transition LSZH Refer to AIP Germany
SONOM	47 47 03 N 008 53 46 E	T163, Z170	FRA (I): Odd FL Refer to AIP Germany
SOPER	46 53 22 N 008 56 40 E	N851, Z50	FRA (I)
SOSAL	46 33 29.0 N 006 53 04.0 E	N871, T45, Z61, Z63	STAR LSGS, SID LSGG FRA (I)
SOSON	46 36 24 N 008 35 39 E	N850, W112, Z119	FRA (I)

Name-code designator	Coordinates WGS84	ATS route or other route	Remarks
1	2	3	4
SOVAD	46 20 14.9 N 006 02 54.4 E	Y55	STAR LSGG Refer to AIP France
SUBEX	47 20 07 N 008 54 45 E	T625	
SUREP	47 09 55 N 008 00 39 E	N871, T901	
SUTED	46 27 43 N 008 24 29 E		Refer to AIP Italy
SUVEL	46 09 05.4 N 006 21 03.8 E	Y52	STAR LSGG Refer to AIP France
SUXAN	46 33 44 N 010 28 45 E	L613	FRA (EX) Refer to AIP Italy
TELNO	46 46 19.1 N 007 16 14.9 E	N871, W112	STAR LSZB
TINAM	46 21 36.1 N 006 31 50.0 E	Z62	SID LSGG Refer to AIP France
TINOX	47 50 07.0 N 009 07 40.0 E		SID LSZR Refer to AIP Germany
TIRUL	47 03 26 N 010 31 43 E	Z408	Refer to AIP Austria
TITIX	47 51 30 N 008 23 48 E		FRA (I) Refer to AIP Germany
TOKDO	46 01 30 N 005 42 40 E	G5	Refer to AIP France
TORPA	47 28 46 N 006 39 31 E	T10	Refer to AIP France
TUNNO	46 47 53.4 N 007 23 48.8 E	KQ864	SID / IAC LSHK PinS, HLDG
TUROM	46 50 31 N 005 57 59 E	KQ864	FRA (I) Refer to AIP France
UBIMA	46 07 35 N 006 42 04 E		FRA (I) Refer to AIP France
ULGOD	46 28 55 N 009 16 31 E	Z83	Refer to AIP Italy
ULMES	46 57 18.1 N 007 17 33.5 E	T627, Z669	STAR LSGG FRA (A): LSGG FRA (D): LSZH FRA (I)
UMTEX	47 50 15 N 009 37 27 E	Y100	FRA (E): Even FL FRA (I): Even FL Refer to AIP Germany
UMTOP	47 07 38.9 N 007 49 06.2 E	KQ862, KQ868, KY251, KY256	IAC LSHA PinS IAC LSHL PinS
UNKIR	46 48 56 N 005 43 37 E		FRA (X): Even FL Refer to AIP France
URIGI	47 03 32 N 008 24 49 E	Z50	

Name-code designator	Coordinates WGS84	ATS route or other route	Remarks
1	2	3	4
URNAS	47 00 08.4 N 008 38 17.8 E	M858	
USETI	48 03 22 N 008 50 10 E		Refer to AIP Germany
UTAVO	46 24 38 N 009 00 33 E	N851	FRA (I)
UVULA	46 46 00 N 009 55 00 E	Test Flight pattern East A9	
VADAR	46 39 26.0 N 006 45 13.0 E	Y58, Z60, Z669	STAR LSGG, STAR LSGS FRA (I)
VADEM	46 43 18 N 006 29 01 E		FRA (I)
VALAD	46 56 55.8 N 007 05 22.4 E		IAC LSMP
VALAV	46 37 58 N 010 23 10 E	L613	
VALBU	46 05 09.7 N 006 29 23.4 E	Y52	STAR LSGG Refer to AIP France
VALOR	46 03 34.6 N 006 58 25.9 E	L50, Y1, Y223, Y224	STAR LSGS
VANAS	45 27 26 N 006 44 49 E		FRA (I) Refer to AIP France
VEBIT	47 16 07.0 N 008 00 21.0 E	T50, T51, T52, T53, T544	SID LSZH
VEDOK	47 47 24 N 009 07 14 E	N851	Refer to AIP Germany
VENAT	46 14 39 N 006 35 48 E	T45, Y223, Z67	Refer to AIP France
VEROX	46 43 39 N 006 34 24 E	N869	
VEVAR	44 48 00.0 N 007 00 45.0 E		SID LSGG FRA (X): Odd FL Refer to AIP France
VIBAX	47 20 50.0 N 008 52 55.9 E	KQ834	MIL PROC LSMD
XAMEX	47 06 00 N 009 32 00 E	Test Flight pattern East A9	
HH704	47 17 15.4 N 007 56 25.0 E		IAC LSHH PinS
HL704	46 58 29.5 N 008 02 43.3 E		IAC LSHL PinS
LS099	46 27 43.5 N 006 19 33.3 E	KY251	
LS100	46 28 14.5 N 006 43 22.4 E	KY251	
LS103	46 43 11.2 N 006 57 39.1 E	KQ811, KY251	

Name-code designator	Coordinates WGS84	ATS route or other route	Remarks
1	2	3	4
LS104	46 50 23.4 N 007 19 42.2 E	KY251, KQ864	
LS105	46 55 44.0 N 007 28 44.9 E	KQ861, KY251	
LS110	47 12 26.8 N 008 47 38.1 E	KQ833, KY251, KY253	
LS111	47 12 41.6 N 008 57 01.1 E	KQ832, KY251	
LS112	47 19 25.5 N 009 09 02.0 E	KQ834, KY251	
LS164	46 48 22.3 N 007 22 14.2 E	KQ864	
LS201	47 02 15.9 N 008 35 42.6 E	KY252, KY253	
LS202	46 56 00.8 N 008 36 23.1 E	KY252	
LS203	46 53 01.4 N 008 36 42.4 E	KY252	
LS204	46 49 40.6 N 008 38 37.5 E	KY252	
LS205	46 46 45.0 N 008 39 20.8 E	KY252	
LS206	46 41 51.5 N 008 36 05.3 E	KY252	
LS207	46 38 59.9 N 008 35 25.1 E	KY252	
LS208	46 35 30.7 N 008 32 22.2 E	KY252	
LS209	46 32 52.6 N 008 34 03.6 E	KY252	
LS210	46 31 37.9 N 008 38 10.8 E	KY252	
LS211	46 28 33.8 N 008 48 17.4 E	KY252	
LS212	46 21 39.2 N 008 56 39.3 E	KY252	
LS213	46 13 22.8 N 009 02 21.2 E	KY252	
LS214	46 06 32.9 N 008 56 16.8 E	KY252	
LS301	47 08 14.0 N 008 42 41.3 E	KY253	
LS302	47 11 25.4 N 008 46 25.9 E	KY253	
LS561	46 54 28.4 N 007 21 41.4 E	KQ861	

Name-code designator	Coordinates WGS84	ATS route or other route	Remarks
1	2	3	4
LS562	46 50 32.0 N 007 14 49.4 E	KQ862	
LS600	47 18 34.9 N 007 41 35.7 E		SID/IAC LSHA PinS
LS601	47 15 04.1 N 008 03 26.0 E	KY256	SID LSHA PinS
LS602	47 15 56.6 N 008 10 06.8 E	KY256	IAC LSHA PinS
LS603	47 17 16.4 N 008 16 48.8 E	KY256	
LS701	47 04 58.1 N 008 21 31.0 E	KY257	
LS702	47 07 06.3 N 008 25 45.1 E	KY252, KY257	
LS703	47 10 00.7 N 008 31 31.7 E	KY257	
MD503	47 19 16.1 N 009 00 03.8 E	KQ831, KQ834	
MD505	47 14 30.6 N 008 57 49.1 E	KQ832	
MD516	47 13 02.2 N 008 46 37.2 E	KQ833	
ME103	47 07 27.9 N 008 07 05.1 E	KQ821, KY251, KY257	MIL PROC LSME
ME104	47 08 53.5 N 008 22 05.9 E	KY251, KY252	MIL PROC LSME
ZC700	47 11 14.6 N 008 31 23.3 E	KY251, KY256	IAC LSZC

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ENR 5 NAVIGATION WARNINGS

ENR 5.1 PROHIBITED, RESTRICTED AND DANGER AREAS

PERM or TEMPO prohibited or restricted areas established in pursuance of the legal bases of air navigation are published in the AIP or notified by NOTAM and DABS.

Prohibited areas LS-P: NIL

1. Restricted areas LS-R

A restricted area is an airspace of defined dimensions, above the land areas or territorial waters of a State, within which the FLT of ACFT is restricted in accordance with certain specified conditions.

The restricted areas are tabulated below and depicted on the aeronautical charts. The restrictions which apply to each individual area are specified in the column “Remarks” of the corresponding area.
Restricted areas marked with “Manageable by AMC” in column Nr. 4, will be considered by the AMC when assigning LS-R, CDR and TRA.
The activation is promulgated by means of DABS and NOTAM, as a rule on the preceding day, (DABS REF: GEN 3.1 5.3).
Restricted areas for gliders REF(ENR 5.5).

Activation of LS-R

See DABS and NOTAM
URL: http://www.skybriefing.com
or Phone: +41 (0) 44 813 31 10

Not assigned LS-R

Follwing LS-R are not assigned: LS-R1, LS-R10

Flight Plan Buffer Zone (FBZ)

FBZ has been established for IFR flight planning purposes only.
Flight plans can be filed up to the boundary of the FBZ when allocated in AUP / UUP and corresponding restrictions in RAD Annex 2C shall be observed.

RESTRICTED AREAS			
ID NR and name Lateral limits COORD WGS84	**Upper limit / Lower limit**	**Type of Activity**	**Restrictions Remarks**
1	**2**	**3**	**4**
LS-R2 **HOHGANT** 46 47 16 N / 008 02 28 E - 46 47 16 N / 008 00 53 E - 46 45 23 N / 007 57 30 E - 46 44 21 N / 007 40 04 E - 46 49 16 N / 007 35 46 E - 47 02 29 N / 008 00 10 E - 47 02 55 N / 008 01 28 E - 47 03 04 N / 008 09 38 E - 46 57 53 N / 008 19 38 E - 46 55 47 N / 008 20 27 E - 46 56 28 N / 008 23 58 E - 46 43 16 N / 008 25 54 E - 46 47 16 N / 008 02 28 E	FL 130 / FL 100	MIL ACFT ACT	**Entry not permitted for VFR FLT** Status of the area (ACT/not ACT) may be requested from ZURICH INFORMATION 124.700 MHz or GENEVA INFORMATION 126.350 MHz Phone: +41 (0) 44 813 31 10 Manageable by AMC

RESTRICTED AREAS			
ID NR and name Lateral limits COORD WGS84	**Upper limit / Lower limit**	**Type of Activity**	**Restrictions Remarks**
1	**2**	**3**	**4**
LSR2Z 46 51 16 N / 007 27 51 E - 46 53 05 N / 007 29 23 E - 46 54 30 N / 007 31 58 E - 46 57 51 N / 007 38 05 E - 47 07 32 N / 007 56 15 E - 47 08 34 N / 007 59 26 E - 47 08 36 N / 008 01 07 E - 47 08 48 N / 008 12 20 E - 47 00 50 N / 008 29 24 E - 46 59 44 N / 008 30 49 E - 46 58 34 N / 008 31 46 E - 46 57 02 N / 008 32 16 E - 46 53 02 N / 008 32 51 E - 46 45 14 N / 008 33 57 E - 46 42 57 N / 008 34 17 E - 46 41 13 N / 008 33 44 E - 46 39 56 N / 008 32 42 E - 46 38 54 N / 008 31 20 E - 46 38 15 N / 008 29 50 E - 46 37 43 N / 008 28 00 E - 46 37 33 N / 008 25 55 E - 46 37 45 N / 008 23 53 E - 46 41 16 N / 008 03 15 E - 46 39 52 N / 008 00 43 E - 46 38 40 N / 007 40 48 E - 46 38 41 N / 007 38 30 E - 46 39 16 N / 007 36 18 E - 46 40 00 N / 007 34 40 E - 46 41 07 N / 007 33 16 E - 46 47 19 N / 007 27 54 E - 46 49 12 N / 007 27 20 E - 46 51 16 N / 007 27 51 E	FL 135 / FL 95		For IFR flight planning purposes only
LS-R3 **SPEER** 47 02 57 N / 009 29 06 E - 47 02 53 N / 009 04 10 E - 47 11 23 N / 009 03 01 E - 47 16 25 N / 009 09 34 E - 47 18 45 N / 009 18 15 E - 47 18 39 N / 009 34 59 E - Following the border line southbound - 47 02 57 N / 009 29 06 E	FL 130 / FL 100	MIL ACFT ACT	**Entry not permitted for VFR FLT** Status of the area (ACT/not ACT) may be requested from ZURICH INFORMATION 124.700 MHz or GENEVA INFORMATION 126.350 MHz Phone: +41 (0) 44 813 31 10 Manageable by AMC

ENR 5.2 MILITARY EXERCISE AND TRAINING AREAS AND ADIZ

1. Temporary Reserved Areas (TRA), LS-T

A TRA is a defined volume of airspace normally under the jurisdiction of one aviation authority and temporarily reserved, by common agreement, for the specific use by another aviation authority and through which other traffic may be allowed to transit, under ATC clearance.
TRAs are an instrument applied by Airspace Management REF: ENR 1.9 6.
The obligation to obtain a clearance prior to entering a TRA and the authority to issue such clearance are specified by the classification of the airspace within which the respective TRA is located ENR-1.4.
All TRAs under ENR 5.2 are manageable by the AMC.

Flight Plan Buffer Zone (FBZ) has been established for IFR flight planning purposes only.
Flight plans can be filed up to the boundary of the FBZ when allocated in AUP / UUP and corresponding restrictions in RAD Annex 2C shall be observed.

TEMPORARY RESERVED AREAS			
ID NR and name Lateral limits COORD WGS84	**Upper limit / Lower limit**	**Type of danger**	**Remarks**
1	**2**	**3**	**4**
LS-T 201 **HIGH PREALPES** 46 36 02 N / 007 11 40 E - 46 19 27 N / 007 31 19 E - 46 09 27 N / 007 08 54 E - 46 20 58 N / 006 57 12 E - 46 31 43 N / 007 03 52 E - 46 36 02 N / 007 11 40 E	FL 660 / FL 300	Air combat training	REF: Figure 2. TRA High HR: see Note 1
LS-T 201Z 46 35 17 N / 006 57 04 E - 46 39 41 N / 007 05 05 E - 46 41 07 N / 007 07 42 E - 46 41 46 N / 007 10 29 E - 46 41 36 N / 007 14 00 E - 46 40 32 N / 007 17 00 E - 46 27 02 N / 007 33 04 E - 46 23 43 N / 007 36 57 E - 46 22 12 N / 007 38 44 E - 46 19 59 N / 007 39 37 E - 46 17 50 N / 007 39 21 E - 46 15 32 N / 007 37 41 E - 46 14 03 N / 007 34 22 E - 46 05 28 N / 007 15 18 E - 46 04 03 N / 007 12 09 E - 46 03 40 N / 007 08 43 E - 46 04 04 N / 007 05 43 E - 46 05 13 N / 007 03 12 E - 46 07 14 N / 007 01 10 E - 46 20 17 N / 006 47 52 E - 46 24 54 N / 006 50 42 E - 46 35 17 N / 006 57 04 E	FL 660 / FL 285		For IFR flight planning purposes only

ENR 6 EN-ROUTE CHARTS

ENR 6 LIST OF CHARTS

Chart Name	Page
Radio Facility Index - AD COM/AFIS	ENR 6.1-1
Radio Facility Index - ACC/FIC/NAV	ENR 6.3-1
Enroute Chart - GNSS Low Flight Network (LFN) for HEL	ENR 6.4-1
Enroute Chart - ICAO, ENRC	ENR 6.5-1
Enroute Chart - ICAO, ENRC - FRA	ENR 6.7-1

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Enroute Chart - ICAO, available under
https://www.skybriefing.com/portal/enroute-charts-ch

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Enroute Chart - ICAO, FRA available under
https://www.skybriefing.com/portal/enroute-charts-ch

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1.7.3 STAR NON RNAV

1.7.3.1 STANDARD INSTRUMENT NON RNAV ARRIVAL ROUTES (see chart AD 2.24.9 - 13 / - 15)

DESIGNATOR	RWY 04/22		
	ROUTE		
	Lateral	Vertical	Remark
BANKO 8S	From BANKO proceed via GG520, GOLEB, VALBU, SUVEL to GVA.	Refer to chart	NIL
BELUS 3S	From BELUS (RWY 04: MAX IAS 250kt) proceed via RILTI, CBY to GVA.	Refer to chart	NIL
DIJON 7S	From DJL proceed via GG517, LIRKO, DINIG, SOVAD to GVA.	Refer to chart	NIL
FRIBOURG 2S	From FRI proceed via SALEV to PINOT (D9.4 CBY), turn right to BELKA and proceed to GVA.	Cross D36 FRI (D45 CBY) MAX FL150. Cross D33 CBY at FL090 or above, and SALEV (D17.3 CBY) at 7000ft or above.	Expect ATC clearance to intercept final axis to RWY04 no later than BELKA at 6000ft or above.
FRIBOURG 2T	From FRI proceed via ROMOM, SPR, PETAL to GVA.	Refer to chart	Expect ATC clearance to initiate the approach to RW22 from SPR at 7000ft or above.

2. VFR procedures (Including non-radio ACFT)

Refer to VFR Manual, LSGG AD INFO.

3. Minima for IFR departures (TKOF minima)

RWY	ACFT CAT	VIS (m) / Ceiling (ft AGL)			RMK
		No LGT AVBL	REDL or RCLL AVBL	REDL and RCLL AVBL	
All	A	500/---	250/---	150/---	NIL
	B	600/---	300/---	150/---	NIL
	C	600/---	300/---	150/---	NIL
	D	800/---	400/---	200/---	NIL

LSGG AD 2.23 ADDITIONAL INFORMATION

1. List of significant points (Terminal)

NAV point	COORD WGS84		Purpose
	LAT	LONG	
1	2		3
AKITO	N 47 12 48.0	E 006 38 55.5	RNAV STAR LSGG
ARBOS	N 46 59 03.0	E 006 01 35.0	NON RNAV SID LSGG/OMNI DEP LSGG
ARGIS	N 45 58 15.6	E 005 35 56.7	NON RNAV SID LSGG/OMNI DEP LSGG
BALSI	N 45 28 38.6	E 005 57 38.8	NON RNAV SID LSGG/OMNI DEP LSGG
BELKA	N 46 03 40.1	E 005 51 02.1	NON RNAV STAR LSGG/RNAV STAR LSGG
BELUS	N 45 40 30.7	E 005 35 37.7	NON RNAV STAR LSGG/NON RNAV SID LSGG/RNAV STAR LSGG/ OMNI DEP LSGG
BEVEN	N 45 41 18.5	E 005 58 21.8	NON RNAV SID LSGG/OMNI DEP LSGG
BOLGI	N 46 40 03.7	E 005 56 17.6	RNAV STAR LSGG
CBY	N 45 52 54.8	E 005 45 26.3	NON RNAV STAR LSGG/NON RNAV SID LSGG/RNAV STAR LSGG/ OMNI DEP LSGG
DEPUL	N 45 55 30.0	E 005 29 40.0	NON RNAV SID LSGG/OMNI DEP LSGG
DIPIR	N 46 40 09.1	E 005 35 35.1	NON RNAV SID LSGG/OMNI DEP LSGG
DJL	N 47 16 14.8	E 005 05 50.4	NON RNAV STAR LSGG/NON RNAV SID LSGG/RNAV STAR LSGG/ OMNI DEP LSGG
GG502*	N 45 57 13.8	E 005 53 56.6	RNAV STAR LSGG
GG503*	N 46 05 44.6	E 005 41 48.8	RNAV STAR LSGG
GG507*	N 46 26 27.1	E 006 11 59.6	RNAV STAR LSGG
GG510*	N 45 46 22.8	E 005 48 10.6	RNAV STAR LSGG
GG512*	N 46 23 49.8	E 006 32 56.5	RNAV STAR LSGG
GG514*	N 46 32 24.7	E 006 20 48.9	RNAV STAR LSGG
GG517*	N 46 56 22.8	E 005 26 22.1	RNAV STAR LSGG/NON RNAV STAR LSGG
GG518*	N 46 54 25.7	E 006 14 56.3	RNAV STAR LSGG
GG519*	N 45 31 38.5	E 006 42 07.3	RNAV STARS LSGG
GG520*	N 45 57 22.9	E 006 46 05.8	RNAV STAR LSGG
GG525*	N 46 17 53.5	E 006 24 08.0	RNAV STAR LSGG
GG602*	N 46 06 58.8	E 006 04 01.8	RNAV SID LSGG
GG603*	N 46 16 07.0	E 006 03 28.0	RNAV SID LSGG
GG604*	N 46 12 06.7	E 006 18 31.5	NON RNAV SID LSGG
GG605*	N 45 58 33.2	E 006 17 29.9	NON RNAV SID LSGG
GG803*	N 46 08 34.5	E 005 58 10.9	RNP IAC RWY22 LSGG
GG808*	N 46 20 41.0	E 006 15 57.4	RNP IAC RWY22 LSGG
GG811*	N 46 22 42.9	E 006 18 57.5	RNP IAC RWY22 LSGG
GG852*	N 46 21 52.8	E 006 17 43.5	RNP IAC RWY04 LSGG
IBABA	N 46 52 38.0	E 005 25 15.0	OMNI DEP LSGG
INDIS	N 46 01 28.0	E 005 47 49.2	RNAV STAR LSGG
KELUK	N 46 33 20.0	E 005 41 08.0	NON RNAV SID LSGG/OMNI DEP LSGG
KERAD	N 46 14 07.1	E 005 53 57.5	RNAV STAR LSGG
KOVIM	N 46 36 52.6	E 006 12 22.8	NON RNAV SID LSGG/OMNI DEP LSGG
LEGVO	N 46 40 04.5	E 006 17 08.0	NON RNAV SID LSGG/OMNI DEP LSGG
LINNA	N 45 49 01.7	E 005 58 48.1	NON RNAV SID LSGG/OMNI DEP LSGG
LTP	N 45 29 20.3	E 005 26 20.6	NON RNAV STAR LSGG/RNAV STAR LSGG
PINOT	N 45 59 07.6	E 005 55 33.5	NON RNAV STAR LSGG
PITOM	N 46 05 41.0	E 006 06 07.0	RNAV STAR LSGG
RILTI	N 45 45 30.1	E 005 39 33.9	NON RNAV STAR LSGG/RNAV STAR LSGG