

Introduction

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1 General

In the following documents the term "Lido/RouteManual" (RM) is used, which is equal to the EASA OPS term "Operations Manual Part C" (OM-C).

Note:	<p>a) Flight crews shall always refer to their operator specific manuals, such as OM-A, OM-B or OM-D. In case of contradictory information between operator specific manuals and the Lido/RouteManual, the operator specific manual shall take precedence.</p> <p>b) Flight crews shall always consult the latest NOTAM complementary to using the Lido/RouteManual.</p>
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2 Preface**General**

- a) The Lido/RouteManual is designated to be used as a flight procedure manual and contains regulations, procedures, data and information to ensure safe flight operations. The use of the Lido/RouteManual must always be supplemented with good judgement and safe operating practices during all phases of flight operations.
- b) All customers, as well as licensed third parties, are invited to report to Lufthansa Systems FlightNav Inc. any discrepancies observed in this manual.
- c) Amendments to the Lido/RouteManual are made by the issuance of revisions which are delivered both electronically and/or in paper version. For the paper version it is the responsibility of the Lido/RouteManual holder to insert the revision sheets at the proper place, recording this on the checklist for amendments and checking that all revisions have been received.
- d) Revisions are issued weekly or on other cycles as coordinated with each customer and distributed to the subscribers.
- e) Holders of the Lido/RouteManual shall keep themselves familiar with the contents and study the revisions carefully.

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3 The Lido/RouteManual Structure

The Lido/RouteManual is divided into two parts: the General Part and the Network Part.

General Part

The General Part contains standards and recommended practices based on ICAO, FAA and EASA publications. This ensures that all applicable world-wide standards are covered in the RouteManual.

Network Part

The actual content of the Network Part depends on the individual customer's area of operation and its operational requirements.

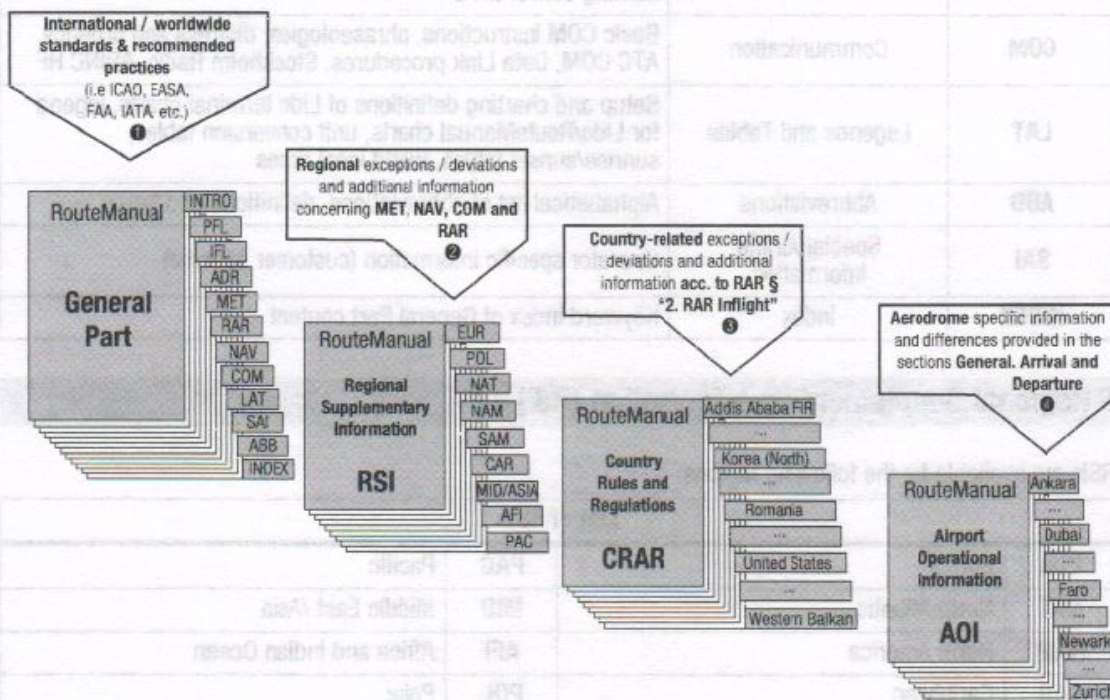
Lido/RouteManual Structure			
General Part		Network Part	
INTRO	Introduction	RSI	Regional Supplementary Information
PFL	Preflight	CRAR	Country Rules and Regulations
IFL	Inflight	CCI	Company & Crew Information
ADR	Aerodromes	AOI	Airport Operational Information
MET	Meteorology	AFC	Airport Facility Charts
RAR	Rules and Regulations	AGC	Airport Ground Charts
NAV	Navigation	APC	Airport Parking Charts
COM	Communication	LVC	Low Visibility Charts
LAT	Legends and Tables	SID	Departure Charts
ABB	Abbreviations/Definitions	SIDPT	Standard Instrument Departure Procedure Text
SAI	Special Airline Information	STAR	Arrival Charts
INDEX	Keyword Index	IAC	Instrument Approach Charts
Gray shaded area = Text Part		VAC	Visual Approach Charts
		MRC	Minimum Radar Vectoring Charts
		RFC	Route Facility Charts

TERMINAL CHARTS

Note: For the structure of the Lido/eRouteManual and the Lido/mPilot, refer to the user guides of the respective products.

Cascading Structure of the Lido/RouteManual Text Part

The Lido/RouteManual is designed to permit easy reference and quick handling by the user in daily operations. The Text Part is organized in a cascading structure as shown below.



The figure above shows only the generic contextual relations within the Text Part of the Standard Lido/RouteManual. Actual content and structure of your individual manual may differ.

4 General Part Content

The main chapters of the General Part are arranged by topic in the following order:

Chapter	Chapter-Name	Basic Content
INTRO	Introduction	Explanation of the Lido/RouteManual text part structure and interrelations of information (especially for General Part, RSI and CRAR)
PFL	Preflight	Aerodrome Operating Minima, Alternate Aerodromes, EDTO/ETOPS, Aviation Turbine Fuel, IATA/EUROCONTROL Delay Codes
IFL	Inflight	In-flight procedures
ADR	Aerodromes	Aerodrome operational information
MET	Meteorology	Operational information for meteorological services and decoding of MET data
RAR	Rules and Regulations	Rules and regulations according to ICAO, EASA and FAA such as: Rules in flight, rules on ground, ATS procedures, ICAO PANS-DPS and FAA TERPS design criteria. EASA OPS and FAA OpSpec aerodrome operating minima, noise abatement procedures



6 Country Rules and Regulations (CRAR)

The General Part and the Regional Supplementary Information (RSI) sections are supplemented by CRARs.

The CRARs contain information depicted from official aeronautical publications of the respective countries.

The content of the CRARs is structured according to the paragraphs of the RAR In-Flight chapter.

As a basic philosophy, the CRAR contain only topics where there is a deviation from the standards published in the General Part and/or the Regional Supplementary Information (RSI).

6.1 CRAR Index

The following CRARs are available in the Lido/RouteManual:

CRAR	ICAO Location Indicator
Afghanistan	OA
Albania	LA
Algeria	DA
Angola	FN
Argentina	SA
Armenia	UD
Australia	Y
Austria	LO
Azerbaijan	UB
Bahamas	MY
Bahrain	OB
Bangladesh	VG
Barbados	TB
Belarus	UM
Belgium	EB
Belize	MZ
Benin	DB
Bermuda	TX
Bhutan	VQ
Bolivia	SL
Bosnia and Herzegovina	LQ
Botswana	FB
Brazil	SB/D/I/J/N/S/W
Brunei	WB
Bulgaria	LB
Burkina Faso	DF
Burundi	HB
Cambodia	VD
Cameroon	FK



CRAR	ICAO Location Indicator
Canada	C
Cape Verde	GV
Cayman Islands	MW
Central African Republic	FE
Chad	FT
Chile	SC/H
China	ZB/G/H/J/L/P/S/T/U/W/Y
Colombia	SK/Q
Comoros	FM
Congo, Democratic Republic of the	FZ
Congo, Republic of the	FC
Cook Islands	NC
Costa Rica	MR
Croatia	LD
Cuba	MU
Cyprus	LC
Czech Republic	LK
Denmark	EK
Djibouti	HD
Dominican Republic	MD
Dutch Caribbean (Refer to table below)	TN
East Timor	WP
Eastern Caribbean (Refer to table below)	TA/D/G/K/L/Q/R/T/U/V
Ecuador	SE
Egypt	HE
El Salvador	MS
Equatorial Guinea	FG
Eritrea	HH
Estonia	EE
Ethiopia	HA
Faroe Islands	EK
Fiji	NF
Finland	EF
France	LF
French Antilles	TF
French Guiana	SO
French Polynesia	NT
Gabon	FO
Gambia	GB

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CRAR	ICAO Location Indicator
Georgia	UG
Germany	ED/T
Ghana	DG
Greece	LG
Greenland	BG
Guatemala	MG
Guinea	GU
Guinea-Bissau	GG
Guyana	SY
Haiti	MT
Honduras	MH
Hong Kong	VH
Hungary	LH
Iceland	BI
India	VA/E/VO
Indonesia	WA/I/R
Iran	OI
Iraq	OR
Ireland	EI
Israel	LL
Italy	LI
Ivory Coast	DI
Jamaica	MK
Japan	RJ/O
Jordan	OJ
Kazakhstan	UA
Kenya	HK
Kiribati	NG/PL
Korea, Democratic People's Republic of	ZK
Korea, Republic of	RK
Kosovo	BK
Kuwait	OK
Kyrgyzstan	UC
Laos	VL
Latvia	EV
Lebanon	OL
Lesotho	FX
Liberia	GL
Libya	HL

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CRAR	ICAO Location Indicator
Lithuania	EY
Luxembourg	EL
Macao	VM
Macedonia	LW
Madagascar	FM
Malawi	FW
Malaysia	WM/B
Maldives	VR
Mali	GA
Malta	LM
Mauritania	GQ
Mauritius	FI
Mexico	MM
Moldova	LU
Mongolia	ZM
Morocco	GM
Mozambique	FQ
Myanmar	VY
Namibia	FY
Nauru	AN
Nepal	VN
Netherlands	EH
New Caledonia & Wallis and Futuna	NW/L
New Zealand	NZ
Nicaragua	MN
Niger	DR
Nigeria	DN
Niue	NI
Norway	EN
Oman	OO
Pakistan	OP
Panama	MP
Papua New Guinea	AY
Paraguay	SG
Peru	SP
Philippines	RP
Poland	EP
Portugal	LP
Qatar	OT

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CRAR	ICAO Location Indicator
Reunion & Mayotte	FM
Romania	LR
Russian Federation	UE/H/I/L/M/N/O/R/S/U/W
Rwanda	HR
Samoa	NS
Sao Tome and Principe	FP
Saudi Arabia	OE
Senegal	GO
Serbia and Montenegro	LY
Seychelles	FS
Sierra Leone	GF
Singapore	WS
Slovakia	LZ
Slovenia	LJ
Solomon Islands	AG
Somalia	HC
South Africa	FA
Spain	LE/GC/E
Sri Lanka	VC
St Helena	FH
Sudan	HS
Suriname	SM
Swaziland	FD
Sweden	ES
Switzerland	LS
Syria	OS
Taiwan	RC
Tajikistan	UT
Tanzania	HT
Thailand	VT
Togo	DX
Tonga	NF
Tunisia	DT
Turkey	LT
Turkmenistan	UT
Turks and Caicos Islands	MB
Tuvalu	NG
Uganda	HU
Ukraine	UK



CRAR	ICAO Location Indicator
United Arab Emirates	OM
United Kingdom	EG/LX
United States	K/NS/PA/B/F/G/H/J/K/L/M/O/P/T/W/TI/J
Uruguay	SU
Uzbekistan	UT
Vanuatu	NV
Venezuela	SV
Vietnam	WV
Yemen	OY
Zambia	FL
Zimbabwe	FV

CRAR Dutch Caribbean

Country Name	ICAO Location Indicator
Aruba	TN
Bonaire	
Curacao	
Saint Eustatus and Saba	
Sint Maarten	

CRAR Eastern Caribbean

Country Name	ICAO Location Indicator
Anguilla	TQ
Antigua and Barbuda	TA
British Virgin Islands	TU
Dominica	TD
Grenada	TG
Montserrat	TR
St Kitts and Nevis	TK
St Lucia	TL
St Vincent and the Grenadines	TV
Trinidad and Tobago	TT



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6.2 Decoding of Nationality Letters to CRAR

This table is used to identify the CRAR, to which a certain aerodrome belongs.

In most cases the first and second letter of the ICAO location indicator (table column "ICAO") of that aerodrome are sufficient to determine the correct CRAR. In some special cases, a third or even all four letters are necessary to identify the corresponding CRAR. These exceptions are placed before the two-letter identifier.

ICAO	CRAR
AG	Solomon Islands
AN	Nauru
AY	Papua New Guinea
BG	Greenland
BI	Iceland
BK	Kosovo
C	Canada
DA	Algeria
DB	Benin
DF	Burkina Faso
DG	Ghana
DI	Ivory Coast
DN	Nigeria
DR	Niger
DT	Tunisia
DX	Togo
EB	Belgium
ED	Germany
EE	Estonia
EF	Finland
EG	United Kingdom
EH	Netherlands
EI	Ireland
EKVG	Faroe Islands
EK	Denmark
EL	Luxembourg
EN	Norway
EP	Poland
ES	Sweden
ET	Germany
EV	Latvia
EY	Lithuania

ICAO	CRAR
FA	South Africa
FB	Botswana
FC	Congo, Republic of the
FD	Swaziland
FE	Central African Republic
FG	Equatorial Guinea
FHSH	St Helena
FI	Mauritius
FK	Cameroon
FL	Zambia
FMCZ	Madagascar
FMC	Comoros
FME	Reunion & Mayotte
FMM	Madagascar
FMN	Madagascar
FMS	Madagascar
FN	Angola
FO	Gabon
FP	Sao Tome and Principe
FQ	Mozambique
FS	Seychelles
FT	Chad
FV	Zimbabwe
FW	Malawi
FX	Lesotho
FY	Namibia
FZ	Congo, Democratic Republic of the
GA	Mali
GB	Gambia
GC	Spain
GE	Spain
GF	Sierra Leone
GG	Guinea-Bissau
GL	Liberia
GM	Morocco
GO	Senegal
GQ	Mauritania
GU	Guinea
GV	Cape Verde



ICAO	CRAR
HA	Ethiopia
HB	Burundi
HC	Somalia
HD	Djibouti
HE	Egypt
HH	Eritrea
HK	Kenya
HL	Libya
HR	Rwanda
HS	Sudan
HT	Tanzania
HU	Uganda
K	United States
LA	Albania
LB	Bulgaria
LC	Cyprus
LD	Croatia
LE	Spain
LF	France
LG	Greece
LH	Hungary
LI	Italy
LJ	Slovenia
LK	Czech Republic
LL	Israel
LM	Malta
LO	Austria
LP	Portugal
LQ	Bosnia and Herzegovina
LR	Romania
LS	Switzerland
LT	Turkey
LU	Moldova
LW	Macedonia
LX	United Kingdom
LY	Serbia and Montenegro
LZ	Slovakia
MB	Turks and Caicos Islands
MD	Dominican Republic

ICAO	CRAR
MG	Guatemala
MH	Honduras
MK	Jamaica
MM	Mexico
MN	Nicaragua
MP	Panama
MR	Costa Rica
MS	El Salvador
MT	Haiti
MU	Cuba
MW	Cayman Islands
MY	Bahamas
MZ	Belize
NC	Cook Islands
NFT	Tonga
NF	Fiji
NGF	Tuvalu
NG	Kiribati
NI	Niue
NL	New Caledonia & Wallis and Futuna
NSFA	Samoa
NSTU	United States
NT	French Polynesia
NV	Vanuatu
NW	New Caledonia & Wallis and Futuna
NZ	New Zealand
OA	Afghanistan
OB	Bahrain
OE	Saudi Arabia
OI	Iran
OJ	Jordan
OK	Kuwait
OL	Lebanon
OM	United Arab Emirates
OO	Oman
OP	Pakistan
OR	Iraq
OS	Syria
OT	Qatar

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ICAO	CRAR
OY	Yemen
PA	United States
PB	United States
PF	United States
PG	United States
PH	United States
PJ	United States
PK	United States
PLPA	United States
PL	Kiribati
PM	United States
PO	United States
PP	United States
PT	United States
PW	United States
RC	Taiwan
RJ	Japan
RK	Korea, Republic of
RO	Japan
RP	Philippines
SA	Argentina
SB	Brazil
SC	Chile
SD	Brazil
SE	Ecuador
SG	Paraguay
SH	Chile
SI	Brazil
SJ	Brazil
SK	Colombia
SL	Bolivia
SM	Suriname
SN	Brazil
SO	French Guiana
SP	Peru
SQ	Colombia
SS	Brazil
SU	Uruguay
SV	Venezuela

ICAO	CRAR
SW	Brazil
SY	Guyana
TA	Eastern Caribbean
TB	Barbados
TD	Eastern Caribbean
TF	French Antilles
TG	Eastern Caribbean
TI	United States
TJ	United States
TK	Eastern Caribbean
TL	Eastern Caribbean
TN	Dutch Caribbean
TQ	Eastern Caribbean
TR	Eastern Caribbean
TT	Eastern Caribbean
TU	Eastern Caribbean
TV	Eastern Caribbean
TX	Bermuda
UA	Kazakhstan
UB	Azerbaijan
UC	Kyrgyzstan
UD	Armenia
UE	Russian Federation
UG	Georgia
UH	Russian Federation
UI	Russian Federation
UK	Ukraine
UL	Russian Federation
UMKK	Russian Federation
UM	Belarus
UN	Russian Federation
UO	Russian Federation
UR	Russian Federation
US	Russian Federation
UTA	Turkmenistan
UTD	Tajikistan
UT	Uzbekistan
UU	Russian Federation
UW	Russian Federation



ICAO	CRAR	ICAO	CRAR
VA	India	VA	India
VC	Sri Lanka	VC	Sri Lanka
VD	Cambodia	VD	Cambodia
VE	India	VE	India
VG	Bangladesh	VG	Bangladesh
VH	Hong Kong	VH	Hong Kong
VI	India	VI	India
VL	Laos	VL	Laos
VM	Macao	VM	Macao
VN	Nepal	VN	Nepal
VO	India	VO	India
VQ	Bhutan	VQ	Bhutan
VR	Maldives	VR	Maldives
VT	Thailand	VT	Thailand
W	Vietnam	W	Vietnam
VY	Myanmar	VY	Myanmar
WA	Indonesia	WA	Indonesia
WBSB	Brunei	WBSB	Brunei
WB	Malaysia	WB	Malaysia
WI	Indonesia	WI	Indonesia
WM	Malaysia	WM	Malaysia
WP	East Timor	WP	East Timor
WR	Indonesia	WR	Indonesia
WS	Singapore	WS	Singapore
Y	Australia	Y	Australia
ZB	China	ZB	China
ZG	China	ZG	China
ZH	China	ZH	China
ZJ	China	ZJ	China
ZK	Korea, Democratic People's Republic of	ZK	Korea, Democratic People's Republic of
ZL	China	ZL	China
ZM	Mongolia	ZM	Mongolia
ZP	China	ZP	China
ZS	China	ZS	China
ZT	China	ZT	China
ZU	China	ZU	China
ZW	China	ZW	China
ZY	China	ZY	China
UW	Russian Federation	UW	Russian Federation
UY	Uruguay	UY	Uruguay
VZ	Venezuela	VZ	Venezuela
YV	Yemen	YV	Yemen
PA	United States	PA	United States
PB	United States	PB	United States
PC	United States	PC	United States
PD	United States	PD	United States
PE	United States	PE	United States
PF	United States	PF	United States
PG	United States	PG	United States
PH	United States	PH	United States
PI	United States	PI	United States
PJ	United States	PJ	United States
PK	United States	PK	United States
PL	United States	PL	United States
PM	United States	PM	United States
PN	United States	PN	United States
PO	United States	PO	United States
PP	United States	PP	United States
PQ	United States	PQ	United States
PR	United States	PR	United States
PS	United States	PS	United States
PT	United States	PT	United States
PV	United States	PV	United States
PW	United States	PW	United States
PX	United States	PX	United States
PY	United States	PY	United States
PZ	United States	PZ	United States
QA	Qatar	QA	Qatar
QB	Qatar	QB	Qatar
QC	Qatar	QC	Qatar
QD	Qatar	QD	Qatar
QE	Qatar	QE	Qatar
QF	Qatar	QF	Qatar
QG	Qatar	QG	Qatar
QH	Qatar	QH	Qatar
QI	Qatar	QI	Qatar
QJ	Qatar	QJ	Qatar
QK	Qatar	QK	Qatar
QL	Qatar	QL	Qatar
QM	Qatar	QM	Qatar
QN	Qatar	QN	Qatar
QO	Qatar	QO	Qatar
QP	Qatar	QP	Qatar
QQ	Qatar	QQ	Qatar
QR	Qatar	QR	Qatar
QS	Qatar	QS	Qatar
QT	Qatar	QT	Qatar
QU	Qatar	QU	Qatar
QV	Qatar	QV	Qatar
QW	Qatar	QW	Qatar
QX	Qatar	QX	Qatar
QY	Qatar	QY	Qatar
QZ	Qatar	QZ	Qatar
RA	Russia	RA	Russia
RB	Russia	RB	Russia
RC	Russia	RC	Russia
RD	Russia	RD	Russia
RE	Russia	RE	Russia
RF	Russia	RF	Russia
RG	Russia	RG	Russia
RH	Russia	RH	Russia
RI	Russia	RI	Russia
RJ	Russia	RJ	Russia
RK	Russia	RK	Russia
RL	Russia	RL	Russia
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RN	Russia	RN	Russia
RO	Russia	RO	Russia
RP	Russia	RP	Russia
RQ	Russia	RQ	Russia
RR	Russia	RR	Russia
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RT	Russia	RT	Russia
RU	Russia	RU	Russia
RV	Russia	RV	Russia
RW	Russia	RW	Russia
RX	Russia	RX	Russia
RY	Russia	RY	Russia
RZ	Russia	RZ	Russia
SA	Saudi Arabia	SA	Saudi Arabia
SB	Saudi Arabia	SB	Saudi Arabia
SC	Saudi Arabia	SC	Saudi Arabia
SD	Saudi Arabia	SD	Saudi Arabia
SE	Saudi Arabia	SE	Saudi Arabia
SF	Saudi Arabia	SF	Saudi Arabia
SG	Saudi Arabia	SG	Saudi Arabia
SH	Saudi Arabia	SH	Saudi Arabia
SI	Saudi Arabia	SI	Saudi Arabia
SJ	Saudi Arabia	SJ	Saudi Arabia
SK	Saudi Arabia	SK	Saudi Arabia
SL	Saudi Arabia	SL	Saudi Arabia
SM	Saudi Arabia	SM	Saudi Arabia
SN	Saudi Arabia	SN	Saudi Arabia
SO	Saudi Arabia	SO	Saudi Arabia
SP	Saudi Arabia	SP	Saudi Arabia
SQ	Saudi Arabia	SQ	Saudi Arabia
SR	Saudi Arabia	SR	Saudi Arabia
SS	Saudi Arabia	SS	Saudi Arabia
ST	Saudi Arabia	ST	Saudi Arabia
SU	Saudi Arabia	SU	Saudi Arabia
SV	Saudi Arabia	SV	Saudi Arabia
SW	Saudi Arabia	SW	Saudi Arabia
SX	Saudi Arabia	SX	Saudi Arabia
SY	Saudi Arabia	SY	Saudi Arabia
SZ	Saudi Arabia	SZ	Saudi Arabia
TA	Taiwan	TA	Taiwan
TB	Taiwan	TB	Taiwan
TC	Taiwan	TC	Taiwan
TD	Taiwan	TD	Taiwan
TE	Taiwan	TE	Taiwan
TF	Taiwan	TF	Taiwan
TG	Taiwan	TG	Taiwan
TH	Taiwan	TH	Taiwan
TI	Taiwan	TI	Taiwan
TJ	Taiwan	TJ	Taiwan
TK	Taiwan	TK	Taiwan
TL	Taiwan	TL	Taiwan
TM	Taiwan	TM	Taiwan
TN	Taiwan	TN	Taiwan
TO	Taiwan	TO	Taiwan
TP	Taiwan	TP	Taiwan
TQ	Taiwan	TQ	Taiwan
TR	Taiwan	TR	Taiwan
TS	Taiwan	TS	Taiwan
TT	Taiwan	TT	Taiwan
TU	Taiwan	TU	Taiwan
TV	Taiwan	TV	Taiwan
TW	Taiwan	TW	Taiwan
TX	Taiwan	TX	Taiwan
TY	Taiwan	TY	Taiwan
TZ	Taiwan	TZ	Taiwan
UA	Ukraine	UA	Ukraine
UB	Ukraine	UB	Ukraine
UC	Ukraine	UC	Ukraine
UD	Ukraine	UD	Ukraine
UE	Ukraine	UE	Ukraine
UF	Ukraine	UF	Ukraine
UG	Ukraine	UG	Ukraine
UH	Ukraine	UH	Ukraine
UI	Ukraine	UI	Ukraine
UJ	Ukraine	UJ	Ukraine
UK	Ukraine	UK	Ukraine
UL	Ukraine	UL	Ukraine
UM	Ukraine	UM	Ukraine
UN	Ukraine	UN	Ukraine
UO	Ukraine	UO	Ukraine
UP	Ukraine	UP	Ukraine
UQ	Ukraine	UQ	Ukraine
UR	Ukraine	UR	Ukraine
US	Ukraine	US	Ukraine
UT	Ukraine	UT	Ukraine
UU	Ukraine	UU	Ukraine
UV	Ukraine	UV	Ukraine
UW	Ukraine	UW	Ukraine
UX	Ukraine	UX	Ukraine
UY	Ukraine	UY	Ukraine
UZ	Ukraine	UZ	Ukraine
VA	Vietnam	VA	Vietnam
VB	Vietnam	VB	Vietnam
VC	Vietnam	VC	Vietnam
VD	Vietnam	VD	Vietnam
VE	Vietnam	VE	Vietnam
VF	Vietnam	VF	Vietnam
VG	Vietnam	VG	Vietnam
VH	Vietnam	VH	Vietnam
VI	Vietnam	VI	Vietnam
VJ	Vietnam	VJ	Vietnam
VK	Vietnam	VK	Vietnam
VL	Vietnam	VL	Vietnam
VM	Vietnam	VM	Vietnam
VN	Vietnam	VN	Vietnam
VO	Vietnam	VO	Vietnam
VP	Vietnam	VP	Vietnam
VQ	Vietnam	VQ	Vietnam
VR	Vietnam	VR	Vietnam
VS	Vietnam	VS	Vietnam
VT	Vietnam	VT	Vietnam
VU	Vietnam	VU	Vietnam
VV	Vietnam	VV	Vietnam
VW	Vietnam	VW	Vietnam
VX	Vietnam	VX	Vietnam
VY	Vietnam	VY	Vietnam
VZ	Vietnam	VZ	Vietnam
WA	Wales	WA	Wales
WB	Wales	WB	Wales
WC	Wales	WC	Wales
WD	Wales	WD	Wales
WE	Wales	WE	Wales
WF	Wales	WF	Wales
WG	Wales	WG	Wales
WH	Wales	WH	Wales
WI	Wales	WI	Wales
WJ	Wales	WJ	Wales
WK	Wales	WK	Wales
WL	Wales	WL	Wales
WM	Wales	WM	Wales
WN	Wales	WN	Wales
WO	Wales	WO	Wales
WP	Wales	WP	Wales
WQ	Wales	WQ	Wales
WR	Wales	WR	Wales
WS	Wales	WS	Wales
WT	Wales	WT	Wales
WU	Wales	WU	Wales
WV	Wales	WV	Wales
WW	Wales	WW	Wales
WX	Wales	WX	Wales
WY	Wales	WY	Wales
WZ	Wales	WZ	Wales
XA	Xenia	XA	Xenia
XB	Xenia	XB	Xenia
XC	Xenia	XC	Xenia
XD	Xenia	XD	Xenia
XE	Xenia	XE	Xenia
XF	Xenia	XF	Xenia
YG	Yemen	YG	Yemen
YH	Yemen	YH	Yemen
YI	Yemen	YI	Yemen
YJ	Yemen	YJ	Yemen
YK	Yemen	YK	Yemen
YL	Yemen	YL	Yemen
YM	Yemen	YM	Yemen
YN	Yemen	YN	Yemen
YO	Yemen	YO	Yemen
YP	Yemen	YP	Yemen
YQ	Yemen	YQ	Yemen
YR	Yemen	YR	Yemen
YS	Yemen	YS	Yemen
YT	Yemen	YT	Yemen
YU	Yemen	YU	Yemen
YV	Yemen	YV	Yemen
YW	Yemen	YW	Yemen
YX	Yemen	YX	Yemen
YY	Yemen	YY	Yemen
YZ	Yemen	YZ	Yemen

7 Airport Operational Information (AOI)

The AOI pages contain mainly airport specific information and differences to the standards and recommended practices already mentioned within the Lido/RouteManual General Part, RSI and/or CRAR pages mentioned above. The AOI is subdivided into three sections: General, Arrival and Departure.

⇒ **Legends and Tables** **General information** 2.1 Airport Operational Information (AOI)



8 Depiction of Information

8.1 Cross-References / Hyperlinks

Specific Cross-References

Cross-references to specific paragraphs of the Lido/RouteManual General Part or cross-references from RSI and CRAR into the General Part are shown as follows:

⇒ **Rules and Regulations** **General Information** 2.7 RAR In-Flight, Visual Flight Rules (VFR)

Depiction of cross references in RouteManual

Unspecific Cross-References

Cross-references to a General Part chapter, RSI or CRAR in general are given in plain text.

Example: "... refer to respective RM CRAR ..."

Cross-references to **other publications** are given in plain text.

Example: ".... refer to AOM/OM-B"

Link Destinations not Part of Subscription

In customized or tailored RMs, cross-references might link with a chapter which is not part of your subscription. In this case, the following text appears in the space where in the standard version the cross-reference would normally be:

Example: "Cross-reference / link destination not part of your subscription --> RAR, RAR In-Flight, Airspace Restrictions"

8.2 Notes and Examples

Notes

Notes are depicted as follows:

Note: This is an example for a note.

Examples

Examples are depicted as follows:

Depiction of Examples in RouteManual

Example: This is a specimen of how examples are depicted in the Lido/RouteManual.

8.3 Tailored Information

Additional or derived company information is shown in the text parts as follows:

Lido/RouteManual Part	Depiction in Lido/RouteManual (Print Version)
General Part, Regional Supplementary Information (RSI) and Country Rules and Regulations (CRAR)	Company Information in gray (as default)
Airport Operational Information (AOI)	<i>Text in Italic</i>

For details and Lido/RouteManual charting legend refer to LAT chapter:

⇒ **Legends and Tables**



8.4 Change Marks

8.4.1 Electronic Version

Type of Change	Depiction in Lido/RouteManual
<p>a) Added / changed content: a) New / changed content is displayed with a yellow background.</p>	<p>a) Two-way radio communication system; b) Navigational equipment appropriate to the ground facilities to be used.</p>
<p>d) Deleted content: Deleted content is struck through.</p>	<p>a) Two-way radio communication system; b) Navigational equipment appropriate to the ground facilities to be used.</p>

8.4.2 Print Version

Type of Change	Depiction in Lido/RouteManual		
<p>Added Content New content is marked with the letter "a" (added) and a revision bar in front of the respective line(s).</p>	<p>a) width is between 3° and 6° Some LDAs are equipped with a note "LDA/Glideslope". Vertical Guidance (APV). The published where the angle be angle exceeds 30°, only circlir</p>		
<p>Changed Content Modified content is marked with the letter "c" (changed) and a revision bar in front of the respective line(s).</p>	<p>Ground Visibility / RVR c) Runway Visual Range (RVR) may for RWYs equipped with an RVR s)</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Ground Visibility</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> </tr> </tbody> </table>	Ground Visibility	1
Ground Visibility			
1			
<p>Deleted Content Deleted content is marked with the letter "d" (deleted) and a revision bar in front of the respective line(s).</p>	<p>d) When the effectiveness c been confirmed, position Phase 2: ADS aircraft will cease</p>		

8.4.3 Revision Highlights in the Lido/eRouteManual

All changes of a revision are tracked in the revision highlights list.

- **Issue Date:** date when the information was introduced
- **Subject:** title of changed paragraph
- **Reason for revision:** chapter concerned and reason for revision

Revision Highlights

Issue Date	Subject	Reason for revision
02 Sep 2010	Emergency and Contingency Procedures	RSI NAT: Contingency Procedures Table added
02 Sep 2010	Greenland, Faeroe Islands and Iceland	RSI NAT: Volcanic Ash Zones added
02 Sep 2010	NERS (North Atlantic Europe Route Scheme)	RSI NAT: Scheme ADs changed
02 Sep 2010	Reykjavik	RSI NAT: CLR REQ PROC added
02 Sep 2010	Shanwick OCA	RSI NAT: Table updated

8.5 Page Numbering Conventions

Revisions will be issued from time to time as required. Page numbering of the print version is as follows:

Page Numbering of the Lido/RouteManual Text Part

General Part Chapter	Increments of ten increasing. Example: 10/20, 30/40, 50/60 etc.
Regional Supplementary Information (RSI)	Increments of ten increasing. Additional prefix "R" Example: R-10/R-20, R-30/R-40, R-50/R-60 etc.
Country Rules and Regulations (CRAR)	Increments of ten increasing. Additional prefix "C" Example: C-10/C-20, C-30/C-40, C-50/C-60 etc.
Airport Operational Information (AOI)	Increments of ten increasing starting normally with the first page of each airport. Example: 1-10/1-20, 1-30/1-40 etc. ⇒ Legends and Tables General Information 2.1 Airport Operational Information (AOI)

- New additional pages between existing pages will obtain numbers as necessary between the respective page numbers (e.g. a new page between page 20 and 30 will be numbered as 21/22).
- Temporary pages in the Terminal Chart section of the Network Part will be sorted in front of their respective standard page.
- To avoid re-printing, page numbering is not always consecutively.

Pages without Content

Pages which have been intentionally left blank (normally this affects a reverse page of a specific sheet) are delivered completely left blank (no page number or header information is given). If in exceptional cases a page has been issued with an indication "Intentionally left blank" this is published for technical reasons and is kept to an absolute minimum.



8.6 Numbering Structure of the Lido/RouteManual Text Part

- a The numbering structure in the PDF documents (Print and FIV) is different to the one in the Lido/eRouteManual and Lido/mPilot (HTML).
- a In the PDF, there is no numbering for the 3 text part sections and the chapters directly below a section. The numbering starts with the first sub-chapter.
- a For Lido/eRouteManual and Lido/mPilot, the HTML text publications have a continuous numbering to provide a unique reference. The 3 text part sections are numbered as follows:
- a 1. General Part
 - a 2. Regional Supplementary Information (RSI)
 - a 3. Country Rules and Regulations (CRAR)

a Examples of Numbering

Text Part Section	Chapter ->Sub-Chapter(s)	Numbering	
		PDF	HTML
General Part	-	-	1
	Communication	-	1.8
	Communication ->Data Link	6	1.8.6
	Communication ->Data Link ->Overview of Data Link Operations	6.1	1.8.6.1
	Communication ->Data Link ->Overview of Data Link Operations ->Data Link Systems and Services	6.1.2	1.8.6.1.2
Regional Supplementary Information (RSI)	-	-	2
	Europe	-	2.1
	Europe ->RAR	2	2.1.2
	Europe ->RAR ->General Flight Rules	2.6	2.1.2.6
Country Rules and Regulations (CRAR)	Europe ->RAR ->General Flight Rules ->Aerodrome Operations	2.6.1	2.1.2.6.1
	-	-	3
	Austria	-	3.6
	Austria ->2.3 Controlled Airspace and ATC	-	3.6.1

Note: CRAR nodes in the PDF are not numbered at all. The number in the title of a CRAR chapter is a reference to the corresponding sub-chapter in RAR/ 2 RAR in-Flight (2.3 in this example).

- a The numbering in a tailored/customised text publication may vary from the standard text publication due to additional or unsubscribed chapters or modified sequence of chapters.

9 Writing Conventions

9.1 Frequently Used Wordings

Wording	Meaning
He	For brevity the pronoun "he" is used throughout all manuals, and means any person who is addressed irrespective of gender.
Includes	Means includes but is not limited to ...
May, might	Are used in a permissive sense to state the authority or permission to do the mentioned act.
must not, may not	Means that nobody is authorized or permitted to do the act, e.g. no crew member is authorized to ...
Shall, must, has to, is to	Followed by verbs used in present indicative form and are used in an imperative, compulsory sense.
Should	Is used in a sense of strong recommendation.

9.2 Indication of Speed

Unless otherwise specified, speeds given in the Lido/RouteManual are based on Indicated Airspeed (IAS).

Example: 250KT IAS are depicted as **250KT**

Lido/RouteManual charts and text pages showing an effective date will be indicated on the revision date (one week prior to the effective date) but not be used prior to the effective date. Whenever an AIRAC effective date control the text due to the text revision or official communication. This will inform customers by chart NOTAM (Luo) about the next important changes.

Tempo charts display a start and end date of validity listed at a single effective date. Start and end dates are separated by a slash. For an open end or unlimited end of validity the following abbreviation is used: UH = Until further notice.

Example for Tempo Chart:
1500-2000Z
2000Z-0000Z

Change Remarks
Change remarks provide information about the revised item. The information will be found at the bottom left of each chart.

- New chart
- Editorial: orthographic, positioning of objects without changing the meaning, etc.
- Topographic: updates to topographical model and related changes (MCA, MTC, etc.)
- Profile, minima, HLD, etc. are not expanding
- Page number: in case the page number is the only content change between a new sheet date



10 RouteManual Revision

10.1 Page/Chart Frame Information

Revision Date

Lido/RouteManual sheets showing revision dates only contain information which is already valid and must be used upon receipt. All important information on such charts has already been published by official NOTAM or by chart NOTAM (Lido IOI).

Note: Since there is no distinction between the front and the back page of a sheet, the revision date is not an indication for a change in content. Charts containing changed content are identified by the **Change Remark** (explained below).

Effective Date

The effective date coincides with the AIRAC date with some exceptions due to State regulations.

Effective date

The effective date is only displayed if the chart is effective later than indicated in the revision date.

Effective 15-DEC-2011
08-DEC-2011

United States **Bossier City** Barksdae Bossier City AFB

BAD-KBAD

7-10

VOR DME 33

IAC

Revision date

The revision date is applicable to the entire sheet

Lido/RouteManual charts and text pages showing an effective date will be distributed on the revision date (one week prior to the effective date) but must not be used prior to the effective date. Whenever an AIRAC effective date cannot be met due to the late reception of official sources/information, Lido will inform customers by chart NOTAM (Lido IOIs) about the most important changes.

Tempo Charts

Tempo charts display a start and end-date of validity instead of a single effective date.

Start and end-dates are separated by a slash. For an open-end or estimated end of validity the following abbreviation is used: UFN = Until Further Notice

Example for Tempo Charts:

31-JAN-2013 / 28-FEB-2013

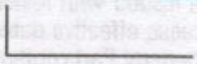
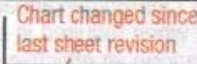
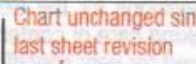
31-JAN-2013 / UFN

Change Remarks

Change remarks provide information about the revised items. The information will be found at the bottom left of each sheet.

- **New:** new chart
- **Editorial:** orthography, positioning of objects without changing the information, etc.
- **Topography:** updates to topographical model and resulting changes (MGA, MTCA, etc.).
- **Profile, Minima, HLDG,** etc. are self explanatory.
- **Page Number:** in case the page number is the only content change besides a new sheet date

Examples:

A change remark on a new chart is displayed in a black typeface:	Charts with changes are displayed in a black typeface:	Charts without changes display "Nil" in a light gray typeface: <small>(Note)</small>
 <p>Changes: New</p>	 <p>Chart changed since last sheet revision</p> <p>Changes: MSA, MIN</p>	 <p>Chart unchanged since last sheet revision</p> <p>Changes: Nil</p>

Note: Contradictory to the printed version, in the Lido/eRouteManual a chart without changes will keep the original revision/effective date.

10.2 Publication Media and Distribution Channels

The Lido/RouteManual can be provided on different media and distribution channels:

- a) the term Lido/RouteManual (RM) is also used for the printed version of customer manuals; sheet data is sent to external printshops and the printed sheets will be distributed to the customer by them;
- b) the Lido/Flight Information Viewer (FIV) provides the same structure and content as the printed version of the customer manuals or parts of them; it is a web based information source, which contains PDF files of the same sheets provided via the printshops;
- c) the Lido/eRouteManual (eRM) is an electronic representation of the content of the customer manuals; it does not have the same structure as the RM or FIV, especially there are no separate manuals for different fleets or airport types (destination or alternate manuals); charts are provided in the Scalable Vector Graphics (SVG) format, textual information mainly in HTML; eRM updates are provided on the Lido FTP server in ZRH;
- d) the Lido/mPilot for mobile devices (iPads) reflects basically the same structure and content as the FIV.

The revisions will be provided based on the publication interval which the customer has chosen.

10.3 Revision Service

Lufthansa Systems FlightNav Inc. is able to offer revision service with different publication intervals:

Lido/RouteManual Publication Intervals			
Designation	Interval	Number of Revisions per AIRAC cycle	Delivery Day
weekly	7 days	4	every THU
bi-weekly	14 days	2	THU 7 days prior and 7 days after AIRAC eff. date
monthly	28 days	1	THU 7 days prior to AIRAC eff. date

- a) Delivery to different hubs is possible on request.
- b) **Changes with effective date and revision date** will be active by the AIRAC effective date or the effective date indicated.
- c) **Changes with revision date** will be active upon receipt. Minor changes will normally be published with revision date only. Major as well as short time changes or any important additional information published with revision date changes (no effective date given) are covered before and after the revision date either by Chart NOTAM (Lido I0I) which can be found on the FIV Account or FTP-Server or by official NOTAM already issued.



- d) Chart NOTAM are retained valid for at least one week overlap after revision date indicated on revised charts/text pages to take care for logistic processes and updates of ships manuals. This can be adjusted to longer overlap periods pending on customer needs.
- e) Revisions for the General Part of the Lido/RouteManual will normally be issued with revision dates taking care of content changes if and when required in advance. In rare cases effective dates may be used for very specific publications requiring an effective date for specific General Part content.
- f) There are intentionally no Chart NOTAM published for General Part pages.

10.4 Exceptions to AIRAC Effective Date and Time

a) Extract from ICAO Annex 15:

a) Each AIRAC AIP Amendment page, including the cover sheet, shall display an effective date. When an effective time other than 0000 UTC is used, the effective time shall also be displayed on the cover sheet.

a) The table below indicates exceptions to the above rule.

Country	Effective Date and Time Other than 0000 UTC on AIRAC Date
USA (K) (incl. Alaska (PA), American Samoa (NS), Guam (PG), Hawaii (PH), Palau Island (PT), Puerto Rico (TJ), Virgin Islands (TI))	0901 UTC
Canada (C)	0901 UTC
China (Z) (without VH and VM)	the day before AIRAC date at 1600 UTC
Japan (RJ)	the day before AIRAC date at 1500 UTC
Republic of Korea (RK)	the day before AIRAC date at 1600 UTC
Pacific AIP (without Cook Islands (NC), Samoa (NS), Tonga (NF), Niue (NI), Fiji Islands (NF))	the day before AIRAC date at 1200 UTC
Samoa (NS)	the day before AIRAC date at 1100 UTC
Tonga (NF)	the day before AIRAC date at 1100 UTC
New Zealand (NZ)	the day before AIRAC date at 1200 UTC

Designation	Interval	Number of Revisions per AIRAC cycle	Delivery Day
weekly	7 days	4	every THU
bi-weekly	14 days	2	THU 7 days prior and 7 days after AIRAC effective date
monthly	28 days	1	THU 7 days prior to AIRAC effective date