U.S. DEPARTMENT OF TRANSPORTATION -- FEDERAL AVIATION ADMINISTRATION
RADAR -- STANDARD INSTRUMENT APPROACH PROCEDURE -- FLIGHT STANDARDS SERVICE -- FAR PART 97.31

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH. and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

Initial approach minimum altitude(s) shall correspond with those established for enroute operation in the particular area or as set forth below. Positive identification must be established with the radar controller. From initial contact with radar to final authorized landing minimums, the instructions of the radar controller are mandatory except when; (A) Visual contact is established on final approach at or before descent to the authorized landing minimums; or (B) at pilot's discretion if it appears desirable to discontinue the approach.

Except when the radar controller may direct otherwise prior to final approach, a missed approach shall be executed as provided below when; (A) communications on final approach is lost for more than 5 seconds during a precision approach, or for more than 30 seconds during a surveillance approach; (B) directed by radar controllers; (C) visual contact is not established upon descent to authorized landing minimums; or (D) if landing is not accomplished.

RADAR TERMINAL AREA MANEUVERING SECTORS AND ALTITUDES *(Sectors and distances measured from radar antenna)*

FROM	TO	DISTANCE
AS ESTABLISHED BY THE CURRENT LAKE CHARLES ASR MINIMUM VECTORING ALTITUDE CHART.		

MISSED APPROACH

MAP: **RWYS 15/33: THLD**

SEE PAGE 2 FOR MISSED APPROACH INSTRUCTIONS.

MINIMUMS

TAKEOFF: | | STANDARD | x | SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | x |

CATEGORY =====>	A			B			C			D			E		
	DH/ MDA	V I S	HAT/HAA	DH/ MDA	V I S	HAT/HAA	DH/ MDA	V I S	HAT/HAA	DH/ MDA	V I S	HAT/HAA	DH/ MDA	V I S	HAT/HAA
ASR 15	620	3/4	606	620	3/4	606	620	1 3/8	606	620	1 3/8	606	620	1 3/8	606
ASR 33	580	1	564	580	1	564	580	1 5/8	564	580	1 5/8	564	580	1 5/8	564
CIRCLING	640	1	623	640	1	623	640	1 3/4	623	640	2	623	880	3	863

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAKE CHARLES RGNL ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE ASR 15 CATS A/B VISIBILITY TO 1 AND CATS C/D/E TO 1 3/4.
CHART NOTE: RWY 15: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: PROCEDURE NOT AVAILABLE WHEN LAKE CHARLES APPROACH CONTROL CLOSED.

RWY 15: FAF 5.00 NM FROM THRESHOLD, MINIMUM ALTITUDE 1600; FINAL APPROACH COURSE 151.40.
RECOMMENDED ALTITUDE: 4 MILES 1300, 3 MILES 980, 2 MILES 680.

RWY 33: FAF 5.00 NM FROM THRESHOLD, MINIMUM ALTITUDE 1600; FINAL APPROACH COURSE 331.45.
RECOMMENDED ALTITUDE: 4 MILES 1300, 3 MILES 980, 2 MILES 680.

LOST COMMUNICATIONS (ALL RWYS): **AS DIRECTED BY ATC ON INITIAL CONTACT.**

ADDITIONAL FLIGHT DATA

THRE: 14 RWY: 15 THRE: 16 RWY: 33

FAS OBST:
RWY 15: 305 TOWER 301509.00N/0931208.00W.
RWY 33: 274 TOWER 301155.00N/0930712.00W.

MAG VAR: 3E EPOCH YEAR: 05

CITY AND STATE	ELEVATION: 17 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP
LAKE CHARLES, LA	CHENNAULT INTL	LCH ASR	RADAR 1, AMDT 1B	AMDT: 1A
				DATED: 11/24/1999

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

MISSED APPROACH INSTRUCTIONS:

RWY 15: CLIMB TO 2000 DIRECT LCH VORTAC AND HOLD SE, RT, 328.00 INBOUND, OR AS DIRECTED BY ATC.
ALTERNATE MA: CLIMB TO 1600 THEN AS DIRECTED BY ATC.

RWY 33: CLIMB TO 1600, THEN CLIMBING LEFT TURN TO 2000 DIRECT LCH VORTAC AND HOLD SE, RT, 328.00 INBOUND, OR AS DIRECTED BY ATC.
ALTERNATE MA: CLIMB TO 2000 DIRECT MOSSY LOM AND HOLD NW, RT, 150.40 INBOUND.

CHECKED

CITY AND STATE	ELEVATION: 17 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKE CHARLES, LA	CHENNAULT INTL	LCH ASR	RADAR 1, AMDT 1B	AMDT: 1A
				DATED: 11/24/1999

STANDARD INSTRUMENT APPROACH PROCEDURE RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
ASR RWY 15	5.00NM FROM THLD	THLD	1. TOWER (22-000247)	301509.00N/0931208.00W	305 (4D)	250	AC50	620
ASR RWY 33	5.00NM FROM THLD	THLD	2. TOWER (22-000649)	301155.00N/0930712.00W	274 (4D)	250	AC50	580
MISSED APPROACH	ASR RWY 15: THLD	LCH VORTAC				ASC		2000
			2. TOWER (22-000649)	301155.00N/0930712.00W	274 (4D)	1000		1300
			3. TERRAIN	301054.00N/0930442.00W	27 (0)		AS1000	1000
MISSED APPROACH	ASR RWY 33: THLD	LCH VORTAC				ASC		2000
			4. TOWER (22-003262)	301325.00N/0931837.00W	595 (4D)	1000		1600
			5. TERRAIN	301857.00N/0931242.00W	33 (0)		AS1500	1500
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	RW15/RW33							
3. MISSED APPROACH ELEV:	370/330							

4. CIRCLING	DISTANCE	H.T. ABV. ARPT. Required	H.T. ABV. ARPT. Actual							
CATEGORY A	1.3 NM	350	623	2. TOWER (22-000649)	301155.00N/0930712.00W	274 (4D)	300	AC50	640
CATEGORY B	1.5 NM	450	623	2. TOWER (22-000649)	301155.00N/0930712.00W	274 (4D)	300	AC50	640
CATEGORY C	1.7 NM	450	623	2. TOWER (22-000649)	301155.00N/0930712.00W	274 (4D)	300	AC50	640
CATEGORY D	2.3 NM	550	623	2. TOWER (22-000649)	301155.00N/0930712.00W	274 (4D)	300	AC50	640
CATEGORY E	4.5 NM	550	863	8. TOWER (22-000732)	301423.00N/0930446.00W	524 (5D)	300	AC50	880

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG / DIST	ELEVATION (MSL)	MSA	SECTOR	OBSTRUCTION	BRG / DIST	ELEVATION (MSL)	MSA

CHECKED

CITY AND STATE	AIRPORT & ELEVATION	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
LAKE CHARLES, LA	CHENNAULT INTL 17	LCH ASR	RADAR 1, AMDT 1B	ASW

FAA FORM 8260 - 9 / December 2002 (Computer Generated)

RADIO FIX AND HOLDING DATA RECORD

NAME: MOSSY LOM **STATE:** LA **COUNTRY:** US

LATITUDE/LONGITUDE: 301824.03N/0931146.26W **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MOSSY	CW	LOM								17500
2	LAKE CHARLES	I-CWF	LOC		330.43	334.43		7.49		1800	4500
3	LAKE CHARLES	LCH	VORTAC	H			10.95	10.95		1800	4500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	CW	LOM	330.40	150.40	R	1		2000	6000	4	5
2	NW	I-CWF	LOC	330.43	150.43	R	1		2000	4500	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (22-001274)	302105.40N/0931402.70W	516	1B
2	200	TOWER (22-001274)	302105.40N/0931402.70W	516	1B

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE MOSSY LOM.
ACTUAL FACILITY LOCATION IS 301823.89N/0931146.31W.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 15		2	KCWF	LAKE CHARLES	LA (US)
IAP	RADAR-1		1	KCWF	LAKE CHARLES	LA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
FIX USE UPDATED.
ADDED FAC 2.
ADDED DIST FROM FAC TO FAC 3 IN NM AND FEET; DELETED MAG/TRUE COURSE.
CHANGED PAT 1 MAX ALT/MIN/MAX TEMPLATES FROM 14000/5/10 TO 6000/4/5.
UPDATED PAT 2 REPLACING VORTAC WITH LOCALIZER. UPDATED HOLDING PATTERN DATA TO MATCH LOCALIZER.
UPDATED PAT 2 CONTROLLING OBSTACLE DATA.
ADDED PRECIPITOUS TERRAIN EVALUATION TO REMARKS SECTION.
MOVED HOLDING COMMENTS TO HOLDING RESTRICTIONS SECTION.

DEVELOPED BY: **DATE:** 12/08/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (COLTON CROWDER)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZHU
ATC FACILITY: LCH APP CON
OTHER:

QUALITY CHECKED

"INFO ONLY"

RADIO FIX AND HOLDING DATA RECORD

NAME: LAKE CHARLES VORTAC **STATE:** LA **COUNTRY:** US

LATITUDE/LONGITUDE: 300829.45N/0930620.05W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	LAKE CHARLES	LCH	VORTAC	H							45000

FIX RESTRICTIONS:
SPECIAL COPTER VOR/DME 190, K24LA, CAMERON, LA
SPECIAL COPTER VOR/DME 010, K24LA, CAMERON, LA
SPECIAL COPTER RNAV (GPS) 177, K24LA, CAMERON, LA

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	E	LCH	VORTAC	080.61	260.61	R	1		1700	6000	4	5
2	W	LCH	VORTAC	249.00	069.00	R	1		2000	6000	4	5
3	SE	LCH	VORTAC	148.00	328.00	R	1		2000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (22-003177)	301049.00N/0930153.00W	673	5D
2	200	TOWER (22-003052)	300401.00N/0931458.00W	365	2A
3	200	TOWER (22-003177)	301049.00N/0930153.00W	673	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SABINE PASS (RNAV)			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	SABINE PASS (RNAV)			KGLS	GALVESTON	TX (US)
DP	SABINE PASS (RNAV)			KAXH	HOUSTON	TX (US)
DP	GUSTI (RNAV)			KCXO	HOUSTON	TX (US)
DP	LAKE CHARLES			KCXO	HOUSTON	TX (US)
DP	SABINE PASS (RNAV)			KCXO	HOUSTON	TX (US)
DP	GUSTI (RNAV)			KDWH	HOUSTON	TX (US)
DP	LAKE CHARLES			KDWH	HOUSTON	TX (US)
DP	SABINE PASS (RNAV)			KDWH	HOUSTON	TX (US)
DP	SABINE PASS (RNAV)			KEFD	HOUSTON	TX (US)
DP	SABINE PASS (RNAV)			KEYQ	HOUSTON	TX (US)
DP	SABINE PASS (RNAV)			KHOU	HOUSTON	TX (US)
DP	GUSTI (RNAV)			KIAH	HOUSTON	TX (US)
DP	LAKE CHARLES			KIAH	HOUSTON	TX (US)
DP	SABINE PASS (RNAV)			KIAH	HOUSTON	TX (US)
DP	SABINE PASS (RNAV)			KIWS	HOUSTON	TX (US)
DP	SABINE PASS (RNAV)			KSGR	HOUSTON	TX (US)
DP	SABINE PASS (RNAV)			KTME	HOUSTON	TX (US)
DP	SABINE PASS (RNAV)			KT41	LA PORTE	TX (US)
EN ROUTE	J138					(US)
EN ROUTE	J2					(US)
EN ROUTE	J22					(US)
EN ROUTE	J590					(US)
EN ROUTE	T254					(US)
EN ROUTE	V20					(US)
EN ROUTE	V222					(US)
EN ROUTE	V306					(US)
EN ROUTE	V552					(US)
EN ROUTE	V574					(US)
EN ROUTE	V70					(US)
EN ROUTE	Q24					LA (US)
IAP	COPTER RNAV (GPS) 177			K24LA	CAMERON	LA (US)
IAP	COPTER VOR/DME 010			K24LA	CAMERON	LA (US)
IAP	COPTER VOR/DME 190			K24LA	CAMERON	LA (US)
IAP	NDB RWY 15			K5R8	DE QUINCY	LA (US)
IAP	RNAV (GPS) RWY 15			K5R8	DE QUINCY	LA (US)
IAP	RNAV (GPS) RWY 33			K5R8	DE QUINCY	LA (US)
IAP	VOR/DME RWY 33		1	K5R8	DE QUINCY	LA (US)
IAP	LOC RWY 36			KDRI	DE RIDDER	LA (US)
IAP	NDB RWY 36			KDRI	DE RIDDER	LA (US)
IAP	RNAV (GPS) RWY 36			KDRI	DE RIDDER	LA (US)
IAP	NDB RWY 16			KPOE	FORT POLK	LA (US)

INFO ONLY

QUALITY CHECKED

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18 **DATE OF REVISION:** 05/03/2012

REASON FOR REVISION:
ADDED SPECIAL FIX RESTRICTIONS.
PER ATC STANDARD HOLDING IS BETWEEN 3000 AND 4000, LOWERED PAT 1/2/3 ALTITUDE MAX 14000/18000 TO 6000, TEMPLATES MAX 10/16 TO 5 AND PAT 3 LEG LENGTH TIME 1 1 1/2 TO 1.
MOVED HOLDING LIMITED TO ESTABLISHED PATTERNS FROM REMARKS TO HOLDING RESTRICTIONS.
ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED TO REMARKS.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/16/2011 **OFFICE:** AJV-353 **NAME:** PABLO ORTIZ

APPROVED BY: **DATE:** 07/06/2010 **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZHU
ATC FACILITY: LCH APP CON
OTHER:

INFO ONLY

LAKE CHARLES, LA Amdt. 1A, NOV 25, 1999 (FAA) ELEV 17
CHENNAULT INTL (CWF)
RADAR - 119.8 282.3 ⚠ NA

	RWY GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
ASR	33	AB	**540**-1	523	(600-1)	C	**540**-1½	523	(600-1½)
		DE	**540**-1¾	523	(600-1¾)				
	15	AB	**560**-½	544	(600-½)	C	**560**-1	544	(600-1)
		D	**560**-1¼	544	(600-1¼)	E	**560**-1½	544	(600-1½)
CIRCLING		AB	**580**-1	563	(600-1)	C	**580**-1½	563	(600-1½)
		D	**580**-2	563	(600-2)	E	**880**-3	863	(900-3)
LAKE CHARLES REGIONAL ALTIMETER SETTING MINIMUMS									
ASR	33	AB	**540**-1	523	(600-1)	C	**540**-1½	523	(600-1½)
		DE	**540**-1¾	523	(600-1¾)				
	15	AB	**580**-½	564	(600-½)	C	**580**-1	564	(600-1½)
		D	**580**-1¼	564	(600-1¼)	E	**580**-1½	564	(600-1½)
CIRCLING		AB	**600**-1	583	(600-1)	C	**600**-1½	583	(600-1½)
		D	**600**-2	583	(600-2)	E	**900**-3	883	(900-3)

When local altimeter setting not received, use Lake Charles Regional altimeter setting.
Procedure not available when Lake Charles Approach Control closed.
For inoperative MALSR, increase Category E visibilities ½ mile

17 NOV 2011 to 15 DEC 2011

17 NOV 2011 to 15 DEC 2011

LAKE CHARLES, LA Amdt. 5C, APR 7, 2011 (FAA) ELEV 15
LAKE CHARLES RGNL (LCH)
RADAR - 119.35 353.75 ⚠

	RWY GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
ASR	5	ABC	**380**-1	366	(400-1)	D	**380**-1¼	366	(400-1¼)
	33	ABC	**380**-¾	369	(400-¾)	D	**380**-1¼	369	(400-1¼)
	23	AB	**440**-1	425	(500-1)	CD	**440**-1¼	425	(500-1¼)
	15	AB	**440**/24	428	(500-½)	C	**440**/40	428	(500-¾)
		D	**440**/50	428	(500-1)				
CIRCLING		A	**440**-1	425	(500-1)	B	**480**-1	465	(500-1)
		C	**480**-1½	465	(500-1½)	D	**580**-2	565	(600-2)

When control tower closed, procedure NA.

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