

**FEDERAL AVIATION ADMINISTRATION**  
**FLIGHT STANDARDS SERVICE**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT</u> LINCOLN RGNL	<u>AIRPORT ID</u> KLRG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> LINCOLN	<u>STATE</u> ME	
<u>AIRPORT ELEVATION</u> 208	<u>TDZE</u> 208	<u>SUPERSEDED</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 10/16/2014	<u>MAG VAR</u> 19W	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TAA**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>ALTITUDE</b></u>
1. 256/30 CW 076/30	NOPT	LADNE	IF/IAF	3100
2. 076/30 CW 166/30		UYOSI	IAF	3400
3. 166/30 CW 256/30		WIXIV	IAF	3100

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
UYOSI	IAF	LADNE	NOPT	TF	FB	1.00	076.26	8.00	3100
WIXIV	IAF	LADNE	NOPT	TF	FB	1.00	256.49	8.00	3100
LADNE	IF/IAF	RAEGN		TF	FB	1.00	346.37	6.01	2000
RAEGN	FAF	RW35	MAP	TF	FO	0.30	346.32	5.51	
RW35	MAP	608 MSL		CA			346.32		
608 MSL		LELSE		DF	FO	1.00			2800

**MISSED APPROACH**

**MAP:**

LP: RW35  
LNAV: RW35

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2800 DIRECT LELSE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD S LADNE, RT, 346.37 INBOUND, 3100 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 346.32FAF: RAEGNDIST FAF TO MAP: 5.51DIST FAF TO THLD: 5.51

4. MIN ALT: LADNE 3100, RAEGN 2000

5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:MM:IM:

6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS NOT CLEARTCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.  
CHART NOTE: USE MILLINOCKET ALTIMETER SETTING; WHEN NOT RECEIVED, USE BANGOR INTL ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET.  
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART MILLINOCKET ASOS-3  
1076 AAO 451651.00N/0682842.00W  
CHART CIRCLING ICON  
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.  
WAAS CHANNEL #45736  
REFERENCE PATH ID: W35A  
CHART FAS OBST: 850 TOWER 452043N/0683030W.  
FAS OBST: 789 AAO 451838N/0682833W.  
HOLD N, RT, 166.15 INBOUND  
LTP HAE: 38.5 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☒

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LP MDA	1120	1 1/4	912	1120	1 1/4	912		NA			NA				
LNAV MDA	1200	1 1/4	992	1200	1 1/2	992		NA			NA				
CIRCLING	1240	1 1/4	1032	1240	1 1/2	1032		NA			NA				



CHANGES - REASONS

1. ADDED PBN REQUIREMENTS NOTE: RNP APCH - PBN REQUIREMENTS NOTE APPLIED IAW 8260.58A, CHANGE 1.
2. DELETED CHART NOTE: DME/DME RNP-0.3 NA - IAW 8260.19, PARA 1-115 F (14), REMOVED REQUIREMENTS FOR THIS NOTE.
3. UPDATED CRC REMAINDER IN FAS DATA FROM CB895AD3 TO FB49B247 - FAS DATA GLIDEPATH ANGLE AND TCH ZEROED OUT CHANGING THE CRC REMAINDER.
4. REMOVED DESCENT ANGLE AND TCH - FLIGHT CHECK REPORTED OBSTACLES ON FINAL.
5. ADDED MAXIMUM HOLDING ALTITUDE 6000 AT LADNE - NEW REQUIREMENT TO INCLUDE THE MINIMUM AND MAXIMUM HOLDING ALTITUDES FOR H-I-L.
6. LNAV FAS CONTROLLING OBSTACLE CHANGED FROM 869 TOWER TO 850 TOWER. PREVIOUS 869 TOWER WAS MODIFIED TO A 775 MSL HEIGHT. OBSTACLE TOWER 23-000097 (850 MSL TOWER) IS NOW CONTROLLING.

PDF EDIT: REMOVED FROM PART C REMARKS - ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

COORDINATED WITH:

A4A☐ALPA☒AOPA☒APA☐HAI☐NBAA☒OTHER: ZBW, BGR APP CON, ARPT MGR, ST. AV. DIR

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

WARDELL HENNING (ANTHONY KACZKA)

OFFICE

DATE

AJV-543311/06/2018

APPROVED BY

PATRICK MULQUEEN

OFFICE

DATE

TITLE

AJV-5430MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLRG
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	452132.1380N
LTP/FTP LONGITUDE	0683154.4570W
LTP/FTP ELLIPSOIDAL HEIGHT	+00385
FPAP LATITUDE	452247.0730N
FPAP LONGITUDE	0683302.8030W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1896
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

FB49B247

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00629
FPAP ORTHOMETRIC HEIGHT	+00629



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

AIRPORT  
LINCOLN RGNL

AIRPORT ID  
KLRG

PROCEDURE NAME  
RNAV (GPS) RWY 35

AMDT NO.  
1A

CITY  
LINCOLN

STATE  
ME

AIRPORT ELEVATION  
208

FACILITY  
RNAV

**PART A: OBSTRUCTION DATA SEGMENTS**

**STRAIGHT-IN AREA**

**FROM**

256/30 CW 076/30

**TO**

LADNE

RNP

DISTANCE

PAT

MAP

HAT

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.TOWER (23-000222)	450746.00N/0682126.00W	2014	50	20	2A	1000					3100
2.TERRAIN	445154.00N/0680636.00W	1477 (1500)								AS1500	3000

**COMPUTATIONS**

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

**SEGMENT REMARKS:**

**LEFT BASE AREA**

**FROM**

076/30 CW 166/30

**TO**

UYOSI

RNP

DISTANCE

PAT

MAP

HAT

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3.AAO	452806.00N/0690339.00W	2113				1000					3200
4.TERRAIN	452806.00N/0690339.00W	1913 (1900)								AS1500	3400

**COMPUTATIONS**

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

**SEGMENT REMARKS:**



RIGHT BASE AREA

FROM

166/30 CW 256/30

TO

WIXIV

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
5.TOWER (23-000357)	452319.00N/0674751.00W		1546	500	125	5E	1000				AT554	3100
6.TERRAIN	452712.00N/0684306.00W		1313 (1300)								AS1500	2800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

UYOSI

TO

LADNE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	8.00											
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
7.AAO	450827.00N/0682521.00W		991				1000				AT1109	3100
8.TERRAIN	450827.00N/0682521.00W		791 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM  
WIXIV

TO  
LADNE

<u>RNP</u>	<u>DISTANCE</u> 8.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
9.AAO	451624.00N/0681548.00W		1004				1000				AT1096	3100
10.TERRAIN	451624.00N/0681548.00W		804 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM  
LADNE (IF/IAF)

TO  
RAEGN

<u>RNP</u>	<u>DISTANCE</u> 6.01	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
11.AAO	451648.36N/0682839.16W		1076	50	20	2C	500				DG424	2000
12.TERRAIN	451644.56N/0682800.88W		779 (800)								AS1000	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LP

FROM

RAEGN

TO

RW35

<u>RNP</u>	<u>DISTANCE</u> 5.51	<u>PAT</u>	<u>MAP</u> RW35	<u>HAT</u> 912			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
13.AAO	451838.00N/0682833.00W		789	50	20	2C	250				RA71	1120

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

RAEGN

TO

RW35

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
	5.51		RW35			992					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
14.TOWER (23-000097)	452043.00N/0683030.00W	850	20	20	3C	250				RA71 XP29	1200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP29 TO MAINTAIN CURRENTLY PUBLISHED MDA



HOLD-IN-LIEU OF PT

FROM

LADNE

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.TOWER (23-000222)	450746.00N/0682126.00W	2014	50	20	2C	1000					3100
15.TERRAIN	450748.00N/0682124.00W	1470 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LP

FROM

RW35

TO

LELSE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 949					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
								ASC				2800
16.AAO	453124.00N/0684209.00W		968				1000					2000
17.TERRAIN	453124.00N/0684209.00W		768 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



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ORDER 8260.3 CHAPTER 2 APPLIED TO 1076 AAO 451651.00N/0682842.00W.

LPV, LNAV-VNAV NOT DEVELOPED - NO SURVEY.

IPDS DERIVED ACCURACIES:  
OBS 3: 75/0  
OBS 7: 131/0  
OBS 9: 131/0  
OBS 16: 79/0

NO SURVEY TO RUNWAY. VISUAL SURFACES CANNOT BE VERIFIED AS CLEAR.

VDA REMOVED DUE TO FLIGHT CHECK REPORT OF TREES AND TERRAIN ON SHORT FINAL THAT IMPEDE SAFE DESCENT ANGLE.

COMPUTED PROCEDURE VDA/TCH: 3.00/40.





<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
LINCOLN RGNL	KLRG	RNAV (GPS) RWY 35	1A	LINCOLN	ME	208	RNAV

and/or  
**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

**PART C: GENERAL REMARKS:**  
VDP NOT ESTABLISHED - 20:1 PENETRATIONS.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.



PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	5.11
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.99
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	327.32
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	879
DISTANCE FROM	THLD	TO 1500FT POINT	11.52
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	8.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	327.38
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	834

THRESHOLD COORDINATES (IF STR-IN)452132.14N/0683154.46W

ARP COORDINATES452143.78N/0683205.09W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 35 DISTANCE 0.23 NM

FAF COORDINATES451654.17N/0682741.46W

FIX NAME COORDINATESIAF UYOSI: 450731.28N/0683236.94W, IF/IAF LADNE: 451150.43N/0682305.96W, IAF WIXIV: 451608.78N/0681333.54W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

TAA BASED ON 30 NM RADIUS OF LADNE.



