

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29									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.					
TERMINAL ROUTES													MISSED APPROACH								
FROM			TO				COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: I-BET 1.28 DME								
TOORR (IAF)			CATUB (TF) (FB) (NOPT) (RNP 1.00)				102.34 / 9.89				1800		CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 2000 DIRECT ROLL AND HOLD.								
RATNE (IAF)			CATUB (TF) (FB) (NOPT) (RNP 1.00)				282.88 / 10.00				1800										
CATUB/I-BET 13.17 DME (IF/IAF)			KAYSE/I-BET 6.45 DME				192.47 / 6.71 (I-BET)				1800										
													ADDITIONAL FLIGHT DATA: HOLD W, RT, 100.18 INBOUND. CHART FAS OBST: 114 TREE 604725N/1614951W CHART VDP AT 1.99 DME* DISTANCE VDP TO THLD 0.71 NM. *LOC ONLY. CHART CIRCLING ICON.								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																					
2. HOLD N CATUB, RT, 192.61 INBOUND, 1800 FT. IN LIEU OF PT (IAF)																					
3. FAC: 192.47 FAF: KAYSE/I-BET 6.45 DME DIST FAF TO MAP: _____ THLD: 5.18																					
4. MIN. ALT: CATUB 1800, KAYSE 1800, PENIE/I-BET 2.58 DME 560*																					
5. DIST TO THLD FROM OM: _____ - _____ MM: _____ - _____ IM: _____ - 150 HAT: _____ - 100 HAT: _____ - GS ANT: 898																					
6. MIN GS INCPT: 1800 GS ALT AT: KAYSE 1800 OM: _____ - _____ MM: _____ - _____ IM: _____ -																					
7. GS ANGLE: 3.00 TCH: 51.8																					
8. MSA FROM: _____													MAG VAR: 11E EPOCH YEAR: 2020								
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			ILS: STANDARD			LOC: STANDARD								
CATEGORY =====>		A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA						
S-ILS 19R#	320	2400	200	320	2400	200	320	2400	200	320	2400	200									
S-LOC 19R	380	2400	260	380	2400	260	380	2400	260	380	2400	260									
CIRCLING	480	1	351	600	1	471	600	1 1/2	471	680	2	551									
NOTES:																					
CHART NOTE: CIRCLING NA W OF RWY 1L-19R.																					
CHART NOTE: DME REQUIRED.																					
CHART NOTE: # RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.																					
(CONTINUED ON PAGE 2)																					
CITY AND STATE			ELEVATION: 129 TDZE: 120				FACILITY IDENTIFIER: I-BET			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP: ILS OR LOC/DME Y					
BETHEL, AK			AIRPORT NAME: BETHEL							ILS Y OR LOC Y RWY 19R, ORIG-D						RWY 19R					
																AMDT: ORIG-C					
																DATED 11/13/2014					

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div><input checked="" type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div><input type="checkbox"/></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify)		<div><input checked="" type="checkbox"/> ZAN, BET ATCT, AIRPORT MANAGER</div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
HERMAN C. ROGERS				AJV-5432	11/22/2016
APPROVED BY					
NAME:				FIFO	DATE:
PATRICK MULQUEEN				AJV-5430	
CHANGES:					
<div>1. CHANGED NAME OF PROCEDURE FROM "ILS OR LOC/DME Y RWY 19R" TO "ILS Y OR LOC Y RWY 19R".</div> <div>2. DELETED GPS REQUIRED NOTE FROM PLANVIEW AND CHART NOTES AND ADDED "CHART NOTE: RNAV 1-GPS REQUIRED" AND "CHART PLANVIEW NOTE: RNAV 1-GPS REQUIRED".</div> <div>3. ADDED 3 DEGREES TO ALL MAGNETIC COURSES.</div> <div>4. ADDED CHART NOTE: DME REQUIRED.</div> <div>5. CIRCLING CAT B MDA/HAA CHANGED FROM 580/451 TO 600/471.</div> <div>6. ADDED ADDITIONAL FLIGHT DATA NOTE, "CHART CIRCLING ICON".</div> <div>7. DELETED NOTE: USE I-BET DME WHEN ON THE LOCALIZER COURSE.</div> <div>8. LOWERED CAT A CIRCLING MDA FROM 520 TO 480.</div> <div>9. ADDED NOTE: "CIRCLING RWY 1L NA AT NIGHT.</div> <div>10. CHANGED VDP TO THLD DISTANCE FROM 0.73 NM TO 0.71 NM.</div> <div>11. CHANGED "CHART VDP AT 2.01 DME" TO "CHART VDP AT 1.99 DME".</div>					
ALL CHANGES FROM ORIG-A THRU ORIG-C HAVE BEEN INCORPORATED INTO THIS AMENDMENT.					
REASONS:					
<div>1. 8260.3B, CHAPTER 1, PARA 163.</div> <div>2. 8260.19G, PARA 8-6-6.G(2).</div> <div>3. MAGVAR UPDATED FROM 14E/2010 TO 11E/2020.</div> <div>4. 8260.19G, PARA 8-6-6.H(2).</div> <div>5. NEW SURVEY DATA AND CIRCLING CRITEIA APPLIED.</div> <div>6. 8260.19G, PARA 8-6-6.H(2).</div> <div>7. ALL FIXES USE SAME DME.</div> <div>8. LOWERED ON FULL AMENDMENTS WITH FPT PERMISSION.</div> <div>9. VISUAL SURFACE PENETRATED.</div> <div>10/11. THRE CHANGE FROM 99.9 TO 102.2.</div>					

QUALITY
10
CHECKED

**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29**

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.

NOTES, (CONT.):**CHART PLANVIEW NOTE: RNAV 1-GPS REQUIRED.****CHART NOTE: RNAV 1-GPS REQUIRED.****TAA**

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	102/30 CW 283/30 (NOPT)	CATUB (IF/IAF) (FB)	1800
2.	283/30 CW 013/30	283/15 CW 013/15	4600
	283/15 CW 013/15	RATNE (IAF) (FB)	1800
4.	013/30 CW 102/30	TOORR (IAF) (FB)	1800

QUALITY
10
CHECKED

CITY AND STATE

BETHEL, AK

ELEVATION: 129**TDZE: 120**

AIRPORT NAME:

BETHEL

FACILITY
IDENTIFIER:

I-BET

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS Y OR LOC Y RWY 19R, ORIG-D

SUP: ILS OR LOC/DME Y
RWY 19R

AMDT: ORIG-C

DATED: 11/13/2014

ALL AFFECTED PROCEDURES REVIEWED?		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
<input type="checkbox"/> YES <input type="checkbox"/> NO					
COORDINATED WITH:					
ATA <input type="checkbox"/>		AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>
					NBAA <input type="checkbox"/>
					OTHER (specify) <input type="checkbox"/> _____
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					



STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD																			
PART - A OBSTRUCTION DATA																			
1. APP SEGMENT		FROM		TO		OBSTRUCTION		COORDINATES		ELEV. MSL	ROC	ALT. ADJUSTMENTS		MIN. ALT.					
STRAIGHT-IN AREA		102/30 CW 283/30		CATUB		1. AAO		604300.00N/1604742.00W		552 (4E)	1000	AT248		1800					
						2. TERRAIN		612603.00N/1620148.00W		178 (200)		AS1500		1700					
LEFT BASE AREA		283/30 CW 013/30		283/15 CW 013/15		3. AAO		603605.50N/1602736.80W		2581 (6A)	2000			4600					
						4. TERRAIN		603119.44N/1604310.52W		1710 (1700)		AS1500		3200					
LEFT BASE AREA		283/15 CW 013/15		RATNE		5. AAO		604743.53N/1615234.44W		374 (4E)	1000	AT426		1800					
						6. TERRAIN		604748.00N/1611212.00W		125 (100)		AS1500		1600					
RIGHT BASE AREA		013/30 CW 102/30		TOORR		7. AAO		604324.00N/1615442.00W		381 (4E)	1000	AT419		1800					
						8. TERRAIN		604324.00N/1615442.00W		181 (200)		AS1500		1700					
INITIAL		TOORR		CATUB		9. AAO		605639.00N/1615018.00W		260 (4E)	1000	AT540		1800					
						10. TERRAIN		605639.00N/1615018.00W		60 (100)		AS1500		1600					
INITIAL		RATNE		CATUB		11. AAO		605654.00N/1613442.00W		260 (4E)	1000	AT540		1800					
						12. TERRAIN		605654.00N/1613442.00W		60 (100)		AS1500		1600					
INTERMEDIATE		CATUB/I-BET 13.17		KAYSE/I-BET 6.45		13. AAO		605358.76N/1614245.13W		291 (2A)	500	DG1009		1800					
		DME (IF/IAF)		DME		14. TERRAIN		605358.76N/1614245.13W		91 (100)		AS1500		1600					
2. HOLD-IN-LIEU-OF-PT		CATUB		P-4		11. AAO		605654.00N/1613442.00W		260 (4E)	1000	AT540		1800					
						12. TERRAIN		605654.00N/1613442.00W		60 (100)		AS1500		1600					
3. MISSED APPROACH		MAP: DA/I-BET 1.28 DME		ROLLR							ASC			2000					
						7. AAO		604324.00N/1615442.00W		381 (4E)	1000			1400					
		ELEV: 134/280				8. TERRAIN		604324.00N/1615442.00W		181 (200)		AS1500		1700					
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.															
CATEGORY A		1.3 NM		REQUIRED	350	ACTUAL	351	17. ANT (PBETT000409)		604716.94N/1614848.37W		162 (1A)	300			480			
CATEGORY B		1.5 NM			450		471	18. ANT (PBETT000800)		604729.36N/1614624.54W		299 (1A)	300			600			
CATEGORY C		1.7 NM			450		471	18. ANT (PBETT000800)		604729.36N/1614624.54W		299 (1A)	300			600			
CATEGORY D		2.3 NM			550		551	19. AAO		604322.42N/1615417.34W		350 (2C)	300	HAA		680			
CATEGORY E		4.5 NM			550														
5. MINIMUM SAFE ALTITUDES													PRIMARY NAVAID:						
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A	
																		QUALITY	
																		10	
CITY AND STATE				ELEVATION: 129				FACILITY				PROCEDURE AND AMENDMENT NO:				REGION			
BETHEL, AK				AIRPORT NAME: BETHEL				I-BET				ILS Y OR LOC Y RWY 19R, ORIG-D				AAL			

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: PRECIPITOUS TERRAIN EVALUATION COMPLETED. ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.81NM CAT C: 2.84NM CAT D: 3.71NM NO ADDITIONAL AIRSPACE REQUIRED. RASS PRESSURE PATTERNS SAME PABE 129, PANA 17 RA = 31.8. ILS AND LOC INTERMEDIATE SEGMENTS HAVE THE SAME CONTROLLING OBSTACLE. VGSI DATA: 3.00/52 RWY 12/30 GRAVEL. MOUNTAINOUS AND NON-MOUNTAINOUS ROC UTILIZED IN TAA. RNAV (GPS) PROCEDURE ENTRY AND MISSED APPROACH. INITIAL SEGMENT TOORR TO CATUB 102.34 DEGREES CHARTS AS 102 DEGREES. STRAIGHT-IN TAA BOUNDARY 102.61 DEGREES CW TO 282.61 DEGREES WOULD CHART 103 CW TO 283. IN ORDER TO MAINTAIN THE SAME TAA TRAP AS PUBLISHED. CIRCLING NA W OF RWY 1R-19L DUE TO HIGH TOWERS. SECONDARY ALTIMETER SETTING NOTE NOT PUBLISHED PER FPT. 60 FEET VEGETATION HEIGHT USED PER FPT CHECKLIST. VISUAL PORTION OF FINAL PENETRATIONS: (THIS IS THE FIRST LIGHT BAR ON THE MAKSR, NOT A FACTOR) RWY 1L: 20:1 128 ELEC SYS (02-021462) 604616.56N/1615038.22W (0.79)													
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING															
ZAN ARTCC BET TOWER						N W S		OTHER: ASOS												SOURCE: PABE/PANA			
						F A A														DISTANCE: 6.8			
						A / C														HOURS REMOTE OPERATION: 0/YES / 24/YES			
SATISFACTORY ON:				LOCATION: PABE				ADJUSTMENT: 0/32															
4. MONITOR STATUS		PRIMARY NAVAID:		I-BET																			
		MONITOR POINT:		ATCT																			
		HRS OPTN:		CAT 1		24																	
				CAT 3																			
5. APPROACH & RUNWAY LIGHTING				ALS																			
				(S) SALS																			
		X		MALSR 01L (PCL), 19R (PCL)																			
		X		HIRL 01L (PCL), 01R (PCL), 19L (PCL), 19R (PCL)																			
		X		MIRL 12 (PCL), 30 (PCL)																			
		X		REIL 01R (PCL), 19L																			
				TDZ																			
				C/LINE																			
		X		OTHER (SPECIFY) VASI-4L 01L (PCL), 19R (PCL) PAPI-4L 01R (PCL), 19L (PCL)																			
6. RUNWAY MARKINGS		BASIC																					
		ALL WEATHER		PIR-F 01L, 19R																			
		INSTRUMENT		NPI-G 01R, 19L																			
7. RUNWAY VISUAL RANGE		APPROACH		01L, 19R																			
		MIDFIELD																					
		ROLL OUT																					
8. GLIDE PATH		GP ANGLE: 3.00				ELEV RWY THRESHOLD: 102.2																	
		DISTANCE FROM RWY: 898				ELEV GP ANTENNA: 105.8																	
						THRESHOLD CROSSING HEIGHT: 51.8																	
9. FINAL APPROACH COURSE AIMING				X		RUNWAY THRESHOLD				FT. FROM THRESHOLD													
				X		ON CENTERLINE				FT. FROM CENTERLINE													
10. WAIVERS: NONE																							
PART D - PREPARED BY: HERMAN C. ROGERS										DATE: 11/22/2016													
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5432													

CONT.

QUALITY
10
CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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PART - A OBSTRUCTION DATA

[illegible]

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: CONTINUED.	
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE			3. ALTIMETER SETTING				
SATISFACTORY ON:					N W S	OTHER:		SOURCE:			
					F A A			DISTANCE:			
					A / C			HOURS REMOTE OPERATION:			
	V H F		U H F		H F	LOCATION:			ADJUSTMENT:		
4. MONITOR STATUS		PRIMARY NAVAID:									
		MONITOR POINT:									
		HRS	CAT 1								
		OPTN:	CAT 3								
5. APPROACH & RUNWAY LIGHTING			ALS								
			(S) SALS								
			MALS								
			HIRL								
			MIRL								
			REIL								
			TDZ								
			C/LINE								
6. RUNWAY MARKINGS		BASIC									
		ALL WEATHER									
		INSTRUMENT									
7. RUNWAY VISUAL RANGE		APPROACH									
		MIDFIELD									
		ROLL OUT									
8. GLIDE PATH		GP ANGLE:				ELEV RWY THRESHOLD:					
		DISTANCE FROM RWY:				ELEV GP ANTENNA:					
						THRESHOLD CROSSING HEIGHT:					
9. FINAL APPROACH COURSE AIMING				RUNWAY THRESHOLD					FT. FROM THRESHOLD		
				ON CENTERLINE					FT. FROM CENTERLINE		
10. WAIVERS:											
PART D - PREPARED BY:						DATE:					
TITLE:						OFFICE:					

