

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: 4.49 MILES AFTER BUZZD INT/I-LSQ 4.62 DME/RADAR OR AT I-LSQ 0.15 DME FIX CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 225 AND ARD VOR/DME R-069 TO KILMA INT/ARD 27.04 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 225 AND CRI VOR/DME R-263 TO KILMA INT/CRI 24.44 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 068.78 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W KILMA INT/ARD 27.04 DME, RT, 083.09 INBOUND. CHART FAS OBST: 291 STACK 404417N/0740736W CHART IN PROFILE VIEW: I-LSQ DME ANTENNA. CHART OM IN HALF-TONE. CHART VDP AT 1.67 DME*; DISTANCE VDP TO THLD 1.54 MILES. *LOC ONLY.											
PATRN INT	TEB VOR/DME	155.00 / 6.86	3000												
TEB VOR/DME (IAF)	GIMEE INT/I-LSQ 7.82 DME/RADAR	219.71 / 2.43	2500												
GIMEE INT/I-LSQ 7.82 DME/RADAR (IF)	BUZZD INT/I-LSQ 4.62 DME/RADAR	218.83 / 3.19 (I-LSQ)	1500												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT TEB VOR/DME 3. FAC: <u>218.83</u> FAF: <u>BUZZD INT/I-LSQ 4.62 DME/RADAR</u> DIST FAF TO MAP: <u>4.49</u> THLD: <u>4.49</u> 4. MIN. ALT: TEB VOR/DME 3000, GIMEE 2500, BUZZD 1500 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u>1113</u> 150 HAT: <u>2095</u> 100 HAT: <u>1141</u> GS ANT: <u>814</u> 6. MIN GS INCPT: <u>1500</u> GS ALT AT: <u>BUZZD 1497</u> OM: <u> </u> MM: <u> </u> IM: <u>109</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.1</u> 8. MSA FROM: TEB VOR/DME 2900				MAG VAR: 13W EPOCH YEAR: 1985											
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: #		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 22L	210	1800	200	210	1800	200	210	1800	200	210	1800	200			
S-LOC 22L	560	2400	550	560	2400	550	560	6000	550	560	6000	550			
SIDESTEP 22R	560	5000	550	560	5000	550	560	6000	550	560	1 1/2	550			
CIRCLING	720	1	702	720	1	702	720	2	702	900	3	882			
NOTES: SA CATEGORY I ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 22L: CAT A, B, C, D, RA 152, RVR 1400, HATh 150, DA 160 MSL. CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 22L: CAT A, B, C, D, RA 102, RVR 1200, HATh 100, DA 110 MSL. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 18		THRE: 22L 10		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
NEWARK, NJ		AIRPORT NAME:		THRE: 22R 10		I-LSQ		ILS OR LOC RWY 22L, AMDT 13 ILS RWY 22L (SA CAT I) ILS RWY 22L (CAT II), ILS RWY 22L (CAT III) 5/2/2013				AMDT: 12A			
		NEWARK LIBERTY INTL										DATED 05/05/2011			



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS-22L: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb CAT A,B,C,D, RVR 600. CAT IIIc NA.

CHART NOTE: WHEN RWY 29 VGSi INOPERATIVE, CIRCLING RWY 29 NA AT NIGHT.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO SIDESTEP RWY 22R CATS A/B.

CHART PROFILE NOTE: VGSi AND ILS GLIDEPATH NOT COINCIDENT.

SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.

CAT II CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

QUALITY
CHECKED

CITY AND STATE NEWARK, NJ	ELEVATION: 18	THRE: 22L 10	FACILITY IDENTIFIER: I-LSQ	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 22L, AMDT 13 ILS RWY 22L (SA CAT I) ILS RWY 22L (CAT II), ILS RWY 22L (CAT III) 5/2/2013	SUP:
	AIRPORT NAME:	THRE: 22R 10			AMDT: 12A
	NEWARK LIBERTY INTL	DATED: 05/05/2011			

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KEWRK6FI22L	APATRN	010PATRNK6EAOE	IF						18000		0	NS
SUSAP	KEWRK6FI22L	APATRN	020TEB K6D 0V A	TF					+ 03000			0	NS
SUSAP	KEWRK6FI22L	APATRN	030TEB K6D 0V	FC	TEB K6	0000000021970004D			+ 02500			0	NS
SUSAP	KEWRK6FI22L	APATRN	040GIMEEK6EAOEE B	CF	ILSQK6	0388009221970020PI			+ 02500			0	NS
SUSAP	KEWRK6FI22L	I	010GIMEEK6EAOE I	IF	ILSQK6	03880092	PI	J	025000150018000			0	NS
SUSAP	KEWRK6FI22L	I	020BUZZDK6EAOE F	CF	ILSQK6	0388006021900032PI	H	0150001497		-300TEB	K6D	0	NS
SUSAP	KEWRK6FI22L	I	030RW22LK6PG0GY M	CF	ILSQK6	0388001521900045PI		00050		-300		0	NS
SUSAP	KEWRK6FI22L	I	040 0 M	CA		2188		+ 00500				0	NS
SUSAP	KEWRK6FI22L	I	050 0	VI		2250						0	NS
SUSAP	KEWRK6FI22L	I	060KILMAK6EAOEY	CF	ARD K6	0688027024880070D		+ 03000				0	NS
SUSAP	KEWRK6FI22L	I	070KILMAK6EAOEE R	HM		0688T010		+ 03000				0	NS

[illegible][illegible]

CITY AND STATE NEWARK, NJ	ELEVATION: 18	THRE: 22L 10	FACILITY IDENTIFIER: I-LSQ	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: NEWARK LIBERTY INTL	THRE: 22R 10		ILS OR LOC RWY 22L, AMDT 13	AMDT: 12A
				ILS RWY 22L (SA CAT I), ILS RWY 22L (CAT II) ILS RWY 22L (CAT III) 5/2/2013	DATED: 05/05/2011

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SUP:	
AMDT:	12A
DATED:	05/05/2011

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.29

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	PATRN	PATRN	010		IF		FB					
	PATRN	TEB	020	IAF	TF		FB				AA 03000	
	PATRN	TEB	030		FC		FB		219.7()	000.4	AA 02500	
	PATRN	GIMEE	040		CF		FB		219.7()	002.0	AA 02500	
		GIMEE	010	FACF	IF		FB				AA 02500 GI 01500	
		BUZZD	020	FAF	CF		FB		219.0()	003.2	GI 01500 GS 01497	
		RW22L	030	MAP	CF		FO		219.0()	004.5	AT 00050	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		218.8()		AA 00500	
		050		VI		FB		225.0()			
	KILMA	060		CF		FO		248.8()	007.0	AA 03000	
	KILMA	070		HM	R	FO		068.8()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ARD	N401512.02	W0745427.41	N4015.200	W07454.457
	TEB	N405055.40	W0740344.10	N4050.923	W07403.735
	ILSQ (DME)	N404143.55	W0740941.63	N4041.726	W07409.694
	BUZZD	N404555.82	W0740706.45	N4045.930	W07407.108
	GIMEE	N404847.27	W0740516.45	N4048.788	W07405.274
	KILMA	N402909.70	W0742408.82	N4029.162	W07424.147
	PATRN	N405628.40	W0740903.32	N4056.473	W07409.055
	RW22L	N404152.30	W0740940.87	N4041.872	W07409.681
	ILSQ (LOC)	N404028.95	W0741033.87	N4040.483	W07410.565

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW22L	00010		40

CITY AND STATE
NEWARK, NJ

ELEVATION: 18 THRE: 22L 10
AIRPORT NAME: THRE: 22R 10
NEWARK LIBERTY INTL

FACILITY
IDENTIFIER:
I-LSQ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 22L, AMDT 13
ILS RWY 22L (SA CAT I), ILS RWY 22L (CAT II)
ILS RWY 22L (CAT III) 5/2/2013

SUP:
AMDT: 12A
DATED: 05/05/2011

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KEWRK6FL22L	APATRN	010PATRNK6EA0E	IF							18000		0	NS
SUSAP KEWRK6FL22L	APATRN	020TEB K6D 0V A	TF						+ 03000			0	NS
SUSAP KEWRK6FL22L	APATRN	030TEB K6D 0V	FC TEB K6		0000000021970004D				+ 02500			0	NS
SUSAP KEWRK6FL22L	APATRN	040GIMEEK6EA0EE B	CF ILSQK6		0388009221970020PI				+ 02500			0	NS
SUSAP KEWRK6FL22L	L	010GIMEEK6EA0E I	IF ILSQK6		03880092		PI		+ 02500	18000		0	NS
SUSAP KEWRK6FL22L	L	020BUZZDK6EA0E F	CF ILSQK6		0388006021900032PI				+ 01500		TEB K6D	0	NS
SUSAP KEWRK6FL22L	L	030RW22LK6PG0GY M	CF ILSQK6		0388001521900045PI				00050	-305		0	NS
SUSAP KEWRK6FL22L	L	040 0 M	CA		2188				+ 00500			0	NS
SUSAP KEWRK6FL22L	L	050 0	VI		2250							0	NS
SUSAP KEWRK6FL22L	L	060KILMAK6EA0EY	CF ARD K6		0688027024880070D				+ 03000			0	NS
SUSAP KEWRK6FL22L	L	070KILMAK6EA0EE R	HM		0688T010				+ 03000			0	NS

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SECURITY
CHECKED

CITY AND STATE NEWARK, NJ	ELEVATION: 18	THRE: 22L 10	FACILITY IDENTIFIER: I-LSQ	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	THRE: 22R 10		ILS OR LOC RWY 22L, AMDT 13	AMDT: 12A
	NEWARK LIBERTY INTL	ILS RWY 22L (SA CAT I), ILS RWY 22L (CAT II) ILS RWY 22L (CAT III) 5/2/2013		DATED: 05/05/2011	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - FAR PART 97.25

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MSA 1 2 3 4 5 6 7 8 9 0 1 2 3
123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KEWRK6STEB K6D 0 18018002925 M

CITY AND STATE
NEWARK, NJ

ELEVATION: 18 THRE: 22L 10
AIRPORT NAME: THRE: 22R 10
NEWARK LIBERTY INTL

FACILITY
IDENTIFIER:
I-LSQ

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 22L, AMDT 13
ILS RWY 22L (SA CAT I), ILS RWY 22L (CAT II)
ILS RWY 22L (CAT III) 5/2/2013

SUP:
AMDT: 12A
DATED: 05/05/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	PATRN	PATRN	010		IF		FB					
	PATRN	TEB	020	IAF	TF		FB				AA 03000	
	PATRN	TEB	030		FC		FB		219.7()	000.4	AA 02500	
	PATRN	GIMEE	040		CF		FB		219.7()	002.0	AA 02500	
		GIMEE	010	FACF	IF		FB				AA 02500	
		BUZZD	020	FAF	CF		FB		219.0()	003.2	AA 01500	
		RW22L	030	MAP	CF		FO		219.0()	004.5	AT 00050	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		218.8()		AA 00500	
		050		VI		FB		225.0()			
	KILMA	060		CF		FO		248.8()	007.0	AA 03000	
	KILMA	070		HM	R	FO		068.8()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ARD	N401512.02	W0745427.41	N4015.200	W07454.457
	TEB	N405055.40	W0740344.10	N4050.923	W07403.735
	ILSQ (DME)	N404143.55	W0740941.63	N4041.726	W07409.694
	BUZZD	N404555.82	W0740706.45	N4045.930	W07407.108
	GIMEE	N404847.27	W0740516.45	N4048.788	W07405.274
	KILMA	N402909.70	W0742408.82	N4029.162	W07424.147
	PATRN	N405628.40	W0740903.32	N4056.473	W07409.055
	RW22L	N404152.30	W0740940.87	N4041.872	W07409.681
	ILSQ (LOC)	N404028.95	W0741033.87	N4040.483	W07410.565

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22L	00010	40

QUALITY
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CITY AND STATE NEWARK, NJ	ELEVATION: 18	THRE: 22L 10	FACILITY IDENTIFIER: I-LSQ	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: NEWARK LIBERTY INTL	THRE: 22R 10		ILS OR LOC RWY 22L, AMDT 13	AMDT: 12A
				ILS RWY 22L (SA CAT I), ILS RWY 22L (CAT II) ILS RWY 22L (CAT III) 5/2/2013	DATED: 05/05/2011