U.S. Department of Transportation
Federal Aviation Administration

GLS - 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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZIXOL (IF)(40E)(43I)	WUSIP (TF)(FB)(40E)(43F)	038.75/6.01	2000
WUSIP (FAF)(40E)(43F)	RW04L (TF)(FO)(40G)(41Y)(43M)	038.78/5.97	
RW04L (MAP)(40G)(41Y)(43M)	210 MSL (CA)(42M)	038.78	
210 MSL	EHLUN (DF)(FB)(40E)(42M)		
EHLUN (40E)(42M)	MOSME (TF)(FO)(40E)	078.78/2.86	
MOSME (40E)	TEB VOR/DME (TF)(FO)(40V)(41E)(43H)	024.98/6.51	3000

MISSED APPROACH

MAP: DA

CLIMB TO 3000 DIRECT EHLUN AND ON TRACK 078.78 TO MOSME AND ON TRACK 024.98 TO TEB VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 157.00 INBOUND.
DISTANCE TO THLD FROM 200 HAT: 0.45 NM.
LAAS CHANNEL # 22727
REFERENCE PATH ID: G04A

1. PT NA SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ZIXOL
3. FAC: 038.78 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: ZIXOL 2800, WUSIP 2000
5. DIST TO THLD FROM OM: 5.97 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: WUSIP 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 55.4 34:1 IS CLEAR
8. MSA FROM: RW04L 2700

MAG VAR: 13W EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: [ ] STANDARD [X] SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A [X]

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
GLS DA	210	2400	200	210	2400	200	210	2400	200	210	2400	200			

NOTES: CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND GLS GLIDEPATH NOT COINCIDENT.
CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 210.
CHART NOTE: FOR INOPERATIVE MALSR INCREASE GLS ALL CATS VISIBILITY TO RVR 4000.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: GPS REQUIRED.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 18 TDZE: 10 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NEWARK, NJ	NEWARK LIBERTY INTL	GEWR	GLS RWY 4L, ORIG-C	AMDT: ORIG-B
				DATE 02/09/2012

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] **EWR ATCT, NY TRACON, ZNY, AMGR**

FLIGHT CHECKED BY		
NAME: **DAN BURDETTE**	FIFO **AVN**	DATE: **01/24/2010**
DEVELOPED BY		
NAME: **ANDI LAU**	FIFO **AJV-352**	DATE: **06/08/2012**
APPROVED BY		
NAME: **DARRYEL ADAMS** MANAGER	FIFO **AJV-352**	DATE:

CHANGES:

1. **CHANGED ALL REFERENCE OF HOWYA TO WUSIP.**
2. **CHANGED ALL REFERENCE OF TOCUB TO ZIXOL.**
3. **ADDED CA LEG TO MISSED APPROACH TERMINAL ROUTE.**
4. **CHANGED ALL "VIA" TO "ON" IN THE MISSED APPROACH INSTRUCTIONS.**

REASONS:

1., 2. **FIXES TOCUB AND HOWYA USED ON RNAV (GPS) RWY 4L, AND ILS OR LOC RWY 4L, MOVED FOR PROCEDURE RE-DESIGN.**
3. **ARINC CODING REQUIREMENT.**
4. **PER 8260.19 DOCUMENTATION CRITERIA.**

QUALITY CHECK 1

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	14
AIRPORT IDENTIFIER	KEWR
RUNWAY	RW04L
APPROACH PERFORMANCE DESIGNATOR	1
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	6
REFERENCE PATH IDENTIFIER (APPROACH ID)	G04A
LTP/FTP LATITUDE	404053.9870N
LTP/FTP LONGITUDE	0741031.6490W
LTP/FTP ELLIPSOIDAL HEIGHT	-00293
FPAP LATITUDE	404214.2400N
FPAP LONGITUDE	0740940.6200W
THRESHOLD CROSSING HEIGHT (TCH)	00055.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0176
CRC REMAINDER	2B3E5ED5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00030
FPAP ORTHOMETRIC HEIGHT	+00030

CITY AND STATE	ELEVATION: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
NEWARK, NJ	NEWARK LIBERTY INTL	GEWR	GLS RWY 4L, ORIG-C	AMDT: ORIG -B
				DATED 02/09/2012

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
☐	☐	☐	☐	☐	☐	☐ _____

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.
INITIAL	AS ESTABLISHED	BY THE CURRENT	NY TRACON					
	MINIMUM	VECTORING	ALTITUDE CHART					
INTERMEDIATE	ZIXOL	WUSIP	1. TWR (34-001103)	403158.08N/0741754.11W	367 (5D)	500	AT1133	2000
			2. TERRAIN	403209.00N/0741845.00W	194 (200)		AS1500	1700
FINAL	WUSIP	RW04L				ASC		210/200
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA	TEB VOR/DME				ASC		3000
			3. TWR (34-000456)	404728.00N/0740538.00W	695 (3C)	1000		1700
ELEV:	42		4. TERRAIN	404548.00N/0740215.00W	276 (300)		AS1500	1800

4. CIRCLING	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	NA
CATEGORY B	1.5 NM	450	NA
CATEGORY C	1.7 NM	450	NA
CATEGORY D	2.3 NM	550	NA
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW04L

SECTOR	OBSTRUCTION	BRG / DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG / DIST	ELEVATION (MSL)	M S A
360-360	AAO	353/29.0	1651 (4E)	2700					

CITY AND STATE	AIRPORT & ELEVATION 18	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
NEWARK, NJ	NEWARK LIBERTY INTL	GEWR	GLS RWY 4L, ORIG-C	AEA

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

NOTES / EXPLANATIONS FROM OPPOSITE SIDE OF FORM:
SEE ATTACHED AIRSPACE LETTER.

PROCEDURE DESIGN PER FPO/ATC.

CIRCLING NA PER FLIGHT STANDARDS.

20:1 PENETRATION RW29:
34-000865 36 POLE 404206.00N/0740918.00W 4.75'
KEWR0067 19 OL ON FENCE 404204.43N/0740921.49W 0.44'
KEWR0103 32 RD (I) 404204.00N/0740918.51W 1.83'

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH :	2. WEATHER SERVICE	3. ALTIMETER SETTING
EWR TWR **NY TRACON**	[ ] N W S [ ] F A A [ ] A / C OTHER: **ASOS, TDWR**	SOURCE: **KEWR** DISTANCE: **0**
SATISFACTORY ON: [X] V H F [X] U H F [ ] H F	LOCATION: **ON AIRPORT**	HOURS REMOTE OPERATION: **0**
	HRS OPTN: **24**	ADJUSTMENT: **0**

4. MONITOR STATUS	PRIMARY		SECONDARY	
	NAVAID:		NAVAID:	
	MONITOR POINT:		MONITOR POINT:	
	HRS OPTN:	CAT 1	HRS OPTN:	CAT 1
		CAT 3		CAT 3

5. AIRSPACE				
	FLOOR OF CONTROLLED AIRSPACE UNDER FAC			CONTROL AREA
		CONTROL ZONE:	HOURS OPTN	TRANSITION AREA

6. APPROACH & RUNWAY LIGHTING				
X	ALSF-2 **4R**	X	REIL **11, 22R, 29**
	(S) SALS	X	TDZ **11, 4R, 22R, 29, 4L, 22L**
X	MALSR **22R, 4L, 22L**	X	C/LINE **11, 4R, 22R, 29, 4L, 22L**
X	HIRL **11, 4R, 22R, 29, 4L, 22L**	X	OTHER (Specify) **PAPI-4L 4L, 22R, 22L, 29, PAPI-4R 4R, VASI-4L 11**
	MIRL		

7. RUNWAY MARKINGS	8. RUNWAY VISUAL RANGE **4R, 22R, 4L, 22L**
ALL WEATHER **PIR-G 11, 4R, 22R, 4L, 22L**	APPROACH **11, 4R, 22R, 4L, 22L**
INSTRUMENT **NPI-G 29**	ROLL OUT **4R, 22R, 4L, 22L**

9. GLIDE SLOPE		
	G S ANGLE: **3.00**	ELEV RWY THRESHOLD: **10.0 (DRWT)**
	DISTANCE FROM RWY:	ELEV GS ANTENNA:
		THRESHOLD CROSSING HEIGHT: **55.4**

10. FINAL APPROACH COURSE AIMING			
	X	RUNWAY THRESHOLD	F T. FROM THRESHOLD
	X	ON CENTERLINE	F T. FROM CENTERLINE

11. WAIVERS OF STANDARDS	NUMBER OF WAIVERS ON FILE	DATES OF APPROVAL
	NONE	

PART C - REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
BACK-UP ALTIMETER SETTING NOT REQUIRED DUE TO REDUNDANT LOCAL SOURCES.
KEWR ASOS IS ON SERVICE-A.
VGSI DATA: 3.00/73.
THRESHOLD DISPLACED 2540 FT.

PART D - PREPARED BY:	DATE:
ANDI LAU	**06/08/2012**
TITLE: **AERONAUTICAL INFORMATION SPECIALIST**	OFFICE: **AJV-352**

RADIO FIX AND HOLDING DATA RECORD

NAME: WUSIP **STATE:** NJ **COUNTRY:** US

LATITUDE/LONGITUDE: 403531.24N/0741356.47W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	GLS RWY 4L			KEWR	NEWARK	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 06/07/2012 **OFFICE:** AJV-352 **NAME:** ANDI LAU

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: NY TRACON
OTHER: EWR ATCT

RADIO FIX AND HOLDING DATA RECORD

NAME: ZIXOL **STATE:** NJ **COUNTRY:** US

LATITUDE/LONGITUDE: 403006.32N/0741722.06W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	GLS RWY 4L			KEWR	NEWARK	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 06/07/2012 **OFFICE:** AJV-352 **NAME:** ANDI LAU

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY
ATC FACILITY: NY TRACON
OTHER: EWR ATCT