

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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	
GPZ VOR/DME	EMIDY (FO)	342.77 / 14.26	3000	LNAV: RW16 CLIMB TO 2900 DIRECT ADIER AND HOLD. ADDITIONAL FLIGHT DATA. HOLD S, RT, 343.67 INBOUND. CHART FAS OBST: 1495 STACK 471404N/0933214W APUNY TO RW16: 3.04/47.
YOBRI	ORTUC (FB)	052.31 / 9.92	3000	
SQEAK (IAF)	EMIDY (NOPT) (FB)	188.73 / 29.14	3000	
ORTUC (IAF)	EMIDY (NOPT) (FB)	073.48 / 5.00	3000	
EMIDY (IF/IAF)	APUNY (FB)	163.57 / 6.30	2900	

- 1 PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. **HOLD N EMIDY, RT, 163.57 INBOUND, 3000 FT. IN LIEU OF PT (IAF)**
3. FAC: 163.60 FAF. APUNY DIST FAF TO MAP: 4.81 THLD: 4.81
- 4 MIN. ALT: EMIDY 3000, APUNY 2900
- 5 DIST TO THLD FROM OM: MM. IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
- 7 GS ANGLE: TCH: 34:1 IS NOT CLEAR
8. MSA FROM. RW16 3200

MAG VAR: 2E EPOCH YEAR: 1995

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	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
LNAV MDA	1760	1	428	1760	1	428	1760	1 1/4	428	1760	1 1/2	428			
CIRCLING	1900	1	545	1900	1	545	1900	1 1/2	545	1920	2	565			

NOTES:
 CHART NOTE: CIRCLING TO RWY 10-28 AND 5-23 NA AT NIGHT. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SQEAK VIA V217-505 NORTHWEST BOUND.
 SEE 8260-10

CITY AND STATE GRAND RAPIDS, MN	ELEVATION: 1355 TDZE: 1332 AIRPORT NAME. GRAND RAPIDS/ITASCA CO-GORDON NEWSTROM	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, ORIG 07 MAY 2009	SUP: AMDT: NONE DATED
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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HIBBINGS ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CITY AND STATE

GRAND RAPIDS, MN

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AIRPORT NAME:

GRAND RAPIDS/ITASCA CO-GORDON
NEWSTROM

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 16, ORIG

07 MAY 2009

SUP:

AMDT: NONE

DATED:

QUALITY
CHECKED

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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RUNWAY 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KGPZK3GRW16 0053321636 N47124880W093304597+1000 +0367001299042347100R

MSA 1 2 3 4 5 6 7 8 9 0 1 2 3
123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KGPZK3SRW16 K3PG 0 18018003225 M

CITY AND STATE
GRAND RAPIDS, MN

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PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GPZ	GPZ	010		IF		FB				
	GPZ	EMIDY	020	IAF	TF		FO	2.0	342.8(345T)	014.3	03000
	GPZ	EMIDY	030		HF	R	FO		163.6(166T)	004.0	03000
	SQEAK	SQEAK	010		IF		FB				
	SQEAK	EMIDY	020		DF		FB		188.7(191T)	029.1	03000
	YOBRI	YOBRI	010		IF		FB				
	YOBRI	ORTUC	020	IAF	TF		FB	2.0	052.3(054T)	009.9	03000
	YOBRI	EMIDY	030		TF		FB	1.0	073.5(076T)	005.0	03000
		EMIDY	010	FACF	IF		FB				03000
		APUNY	020	FAF	TF		FB	0.5	163.6(166T)	006.3	02900
		RW16	030	MAP	TF		FO	0.3	163.6(166T)	004.8	01346

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ADIER	040		DF		FO	1.0			02900
	ADIER	050		HM	R	FO	2.0	343.7(346T)	004.0	02900

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GPZ	N470949.00	W0932918.80	N4709.817	W09329.313
	ADIER	N470139.66	W0932635.03	N4701.661	W09326.584
	APUNY	N471728.41	W0933231.34	N4717.474	W09332.522
	EMIDY	N472334.10	W0933449.62	N4723.568	W09334.827
	ORTUC	N472219.16	W0934157.08	N4722.319	W09341.951
	SQEAK	N475210.97	W0932650.55	N4752.183	W09326.843
	YOBRI	N471632.84	W0935348.17	N4716.547	W09353.803
	RW16	N471248.80	W0933045.97	N4712.813	W09330.766

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16	01299	47

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