

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Distances are in nautical miles (NM). Graphic depictions attached.

Arrival Name GOPAC (RNAV)	Number TWO	STAR Computer Code GOPAC.GOPAC2	Superseded Number ONE	Dated 05/29/2014	Effective Date 7 DEC 2017				
TRANSITION ROUTES:									
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
LEEDN	LEEDN.GOPAC2	LEEDN	LEEDN						
			MUMPR	001.32	31.85	7000	2500		
			DETIE	359.01	06.97	7000	2500		
			DREWD	356.73	11.42	7000	2300		
			TRUDO	356.65	08.22	7000	2500		
			KNARF	354.03	03.34	7000	2300		
			GOPAC	013.13	04.73	7000	2300		
OGECA	OGECA.GOPAC2	OGECA	OGECA						
			OHLIE	089.84	83.63	9000	3200		
			YEDSU	091.15	45.16	7000	3100		
			GIWFY	092.29	07.03	7000	2600		
			KPACK	090.96	06.92	7000	2600		
			ZOWRO	092.06	08.67	7000	2300		
			LEEDR	080.41	06.07	7000	2300		
			GOPAC	080.68	05.28	7000	2300		

ARRIVAL ROUTE DESCRIPTION:

FROM GOPAC ON TRACK 074.95/6.35 TO TAAIL (MEA 5000), THEN ON TRACK 076.31/4.05 TO BONOT, THEN ON TRACK 076.31. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

FIXES AND/OR HOLDING PATTERNS:

CHART JVL VOR/DME AND HOLDING AT JVL: HOLD W, RT, 111.00 INBOUND, 10 NM LEGS.

CHART HOLDING AT LEEDN: HOLD S, RT, 001.32 INBOUND, 10 NM LEGS.

CHART HOLDING AT ZOWRO: HOLD W, RT, 092.96 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

MILWAUKEE APP CON, MILWAUKEE ATIS, TIMMERMAN ATIS, WAUKEGAN ATIS, KENOSHA ATIS, WAUKESHA ATIS.

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Distances are in nautical miles (NM). Graphic depictions attached.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
GOPAC (RNAV)	TWO	GOPAC.GOPAC2	ONE	05/29/2014	7 DEC 2017
<u>AIRPORTS SERVED:</u> BATTEN INTL, RACINE, WI (KRAC) BURLINGTON MUNI, BURLINGTON, WI (KBUU) EAST TROY MUNI, EAST TROY, WI (K57C) GENERAL MITCHELL INTL, MILWAUKEE, WI (KMKE) HARTFORD MUNI, HARTFORD, WI (KHXF) KENOSHA RGNL, KENOSHA, WI (KENW) LAWRENCE J TIMMERMAN, MILWAUKEE, WI (KMWC) WAUKEGAN NATIONAL, CHICAGO/WAUKEGAN, IL (KUGN) WAUKESHA COUNTY, WAUKESHA, WI (KUES) WEST BEND MUNI, WEST BEND, WI (KETB)					
<u>LOST COMMUNICATIONS PROCEDURE:</u>					
<u>REMARKS:</u> THIS AMENDMENT DOES NOT QUALIFY AS A PERIODIC REVIEW.					
<u>ADDITIONAL FLIGHT DATA:</u> DME/DME ASSESSMENT: SAT (RNP 2.0) REFERENCE MAGNETIC VARIATION = KMKE 04W/2020.					
<u>FLIGHT INSPECTED BY:</u>					
FLIGHT INSPECTION NOT REQUIRED, MANAGER ROBERT STUCKERT Name		AJW-331 Organization	Date	Digitally signed by ALLAN WILL Sep 08, 2017 Signature	
<u>DEVELOPED BY:</u>					
MIKE MELSSEN Name		AJV-5412 Organization	04/28/2017 Date	Digitally signed by ALLAN WILL Sep 08, 2017 Signature	
<u>APPROVED BY:</u>					
GEORGE DAVIS Name		AJV-5410 Organization	Date	Digitally signed by ALLAN WILL Sep 08, 2017 Signature	

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Distances are in nautical miles (NM). Graphic depictions attached.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
GOPAC (RNAV)	TWO	GOPAC.GOPAC2	ONE	05/29/2014	7 DEC 2017

CHANGES:

1. Changed KUGN airport name from Waukegan RGNL to Waukegan National.
2. Changed KRAC airport name from John H. Batten to Batten INTL.
3. Changed KMKE reference magvar from 2W/1995 to 4W/2020 and adjusted all mag courses accordingly.
4. Changed recommended navaid on form 8260-17.2 (Data Record) from LJT VOR/DME to VIO VOR/DME.

REASONS:

1. KUGN airport name change effective 12/07/2017.
2. KRAC airport name change effective 06/22/2017.
3. KMKE magvar update effective 04/27/2017.
4. Matches new KMKE reference magvar.

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name GOPAC (RNAV)		Number TWO		STAR Computer Code GOPAC.GOPAC2		Superseded Number ONE		Dated 05/29/2014	Effective Date 7 DEC 2017
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
LEEDN	414247.37N / 0881858.87W	Y		IF					LEEDN.GOPAC2
MUMPR	421436.90N / 0882059.29W	Y	FB	TF	357.32	31.85			
DETIE	422133.64N / 0882148.38W	Y	FB	TF	355.01	06.97			
DREWD	423253.36N / 0882345.72W	Y	FB	TF	352.73	11.42			
TRUDO	424102.48N / 0882511.27W	Y	FB	TF	352.65	08.22		AT 250K	
KNARF	424419.77N / 0882558.32W	Y	FB	TF	350.03	03.34			
GOPAC	424900.26N / 0882457.07W	Y	FB	TF	009.13	04.73			
En Route Transition									
OGECA	423824.55N / 0920501.07W	Y		IF					OGECA.GOPAC2
OHLIE	424332.94N / 0901150.75W	Y	FB	TF	085.84	83.63			
YEDSU	424531.39N / 0891036.77W	Y	FB	TF	087.15	45.16			
GIWFY	424543.61N / 0890104.62W	Y	FB	TF	088.29	07.03			
KPACK	424605.24N / 0885142.03W	Y	FB	TF	086.96	06.92			
ZOWRO	424622.25N / 0883956.45W	Y	FB	TF	088.06	08.67			
LEEDR	424747.53N / 0883155.67W	Y	FB	TF	076.41	06.07		AT 250K	
GOPAC	424900.26N / 0882457.07W	Y	FB	TF	076.68	05.28			
Common Route									
GOPAC	424900.26N / 0882457.07W	Y		IF					GOPAC.GOPAC2
TAAIL	425104.38N / 0881647.38W	Y	FB	TF	070.95	06.35			
BONOT	425218.18N / 0881132.31W	Y	FO	TF	072.31	04.05			
K57C,KBUU,KENW, KETB,KHXF,KMKE, KMWC,KRAC,KUES, KUGN				FM	072.31				RECOMMENDED NAVAID: VIO VOR/DME

QUALITY
17
CHECKED