

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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
TWOLF	FOUR	TWOLF.TWOLF4	THREE	08/17/2017	3 NOV 2022

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
ALOCK	ALOCK.TWOLF4	ALOCK	ALOCK						
		ALOCK	MCW VOR/DME	002.24 (MCW R-182)	30.58	12000	2800		
		MCW VOR/DME	TWOLF	318.31 (MCW R-318)	16.40	12000	2800		

ARRIVAL ROUTE DESCRIPTION:

LANDING ALL AIRPORTS: FROM OVER TWOLF ON GOPHER (GEP) VORTAC R-178 TO KGEED, THENCE AS DEPICTED TO CROSS TRGET BETWEEN 7000 AND 8000, THEN ON GEP VORTAC R-178 TO CROSS KEWY AT 5000, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PBN REQUIREMENT NOTES:EQUIPMENT REQUIREMENT NOTES:PROCEDURAL DATA NOTES:

NOTE: DME AND RADAR REQUIRED.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT TWOLF: HOLD S, LT, 358.00 INBOUND, 8 NM LEGS. CHART LYNKS.

COMMUNICATIONS:

CHART: MINNEAPOLIS APP CON

AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
KSTP	ST PAUL	MN
KLVN	MINNEAPOLIS	MN
KANE	MINNEAPOLIS	MN
KMIC	MINNEAPOLIS	MN
KFCM	MINNEAPOLIS	MN
KOEO	OSCEOLA	WI
KRNH	NEW RICHMOND	WI

LOST COMMUNICATIONS PREFERENCES:REMARKS:

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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
TWOLF	FOUR	TWOLF.TWOLF4	THREE	08/17/2017	3 NOV 2022

ADDITIONAL FLIGHT DATA:

CHART AT KEWTY TERMINUS: LDG KSTP/KRNN/KFCM/KLVN/KOEO/KANE/KMIC

FLIGHT INSPECTED BY:

STANLEY PHILLIPS

ORGANIZATION:

FPO

DATE:

08/15/2022

Flight Inspected Signature:

*Digitally signed by***ALLAN WILL**

Aug 17, 2022

DEVELOPED BY:

BOYD L STUCKEY

AJV-A423

6/21/2022

Developed By Signature:

*Digitally signed by***RAKE MCGRAW**

Jul 13, 2022

*Digitally signed by***RAKE MCGRAW**

Jul 13, 2022

APPROVED BY:

MARLON ROBINSON, MANAGER

AJV-A420

Approved By Signature:

CHANGES:

DELETED FORT DODGE (FOD) VORTAC, MANKATO (MKT) VOR/DME.
REMOVED KMSP AIRPORT AND ALL KMSP RUNWAY TRANSITIONS.
TICKET CHANGED FROM WP/DME TO WP AND DELETED FROM STAR.
TRGTET CHANGED FROM WP/INT/DME TO WP/DME.
TWOLF MOVED 2 NM NORTH TO GEP R178/110 DME.
ADDED MASON CITY (MCW) VOR/DME AND ALOCK.
EN ROUTE TRANSITION STARTS AT ALOCK TO MCW TO TWOLF.
REMOVED VERTICAL NAV/PLANNING.
ADDED 8 NM LEGS TO TWOLF HOLDING.
ADDED KEWTY AS TERMINUS FIX.
REMOVED MEAS FROM COMMON ROUTE.

REASONS:

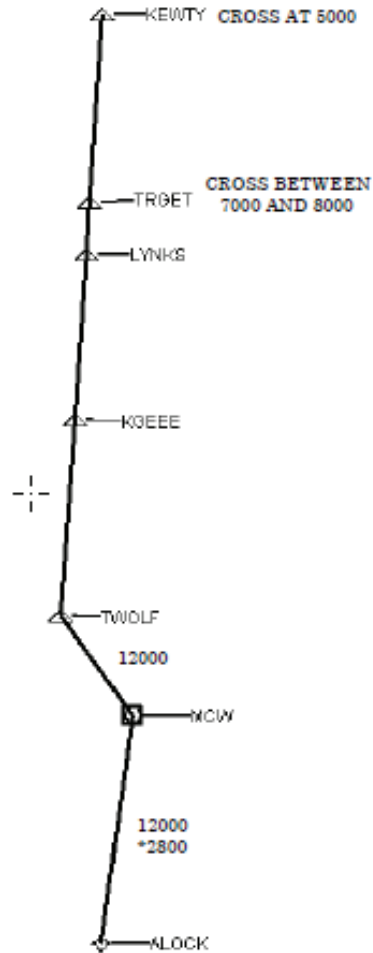
DELETE FOD VORTAC, AND MKT VOR/DME - AIRSPACE DOCKET 21-ASE-4.
REMOVED KMSP AIRPORT AND ALL KMSP RUNWAY TRANSITIONS - FPT/ATC DESIGN CHANGE.
TICKET CHANGED FROM WP/DME TO WP AND DELETED FROM STAR - FPT CHECKLIST.
TRGTET CHANGED FROM WP/INT/DME TO WP/DME - AIRSPACE DOCKET 21-ASW-4.
TWOLF MOVED 2 NM NORTH TO GEP R178/110 DME - FPT/ATC DESIGN CHANGE.
ADD MCW VOR/DME AND ALOCK - FPT/ATC DESIGN CHANGE.
EN ROUTE TRANSITION STARTS AT ALOCK TO MCW TO TWOLF - FPT/ATC DESIGN CHANGE.
REMOVED VERTICAL NAV/PLANNING - 8260.19I, 4-5-2, v.
ADDED 8 NM LEGS TO TWOLF HOLDING - 8260.19I, 8-5-2, h(h)2.
ADDED KEWTY AS TERMINUS FIX - 8260.19I, 4-5-2, h(2).
REMOVED MEAS FROM COMMON ROUTE - 8260.3E, 2-2-7, e(3).

QUALITY
14
CHECKED

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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
TWOLF	FOUR	TWOLF.TWOLF4	THREE	08/17/2017	3 NOV 2022
Graphic Depiction 1					



QUALITY
14
CHECKED