

**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.

<u>Arrival Name</u>	<u>Number</u>	<u>STAR Computer Code</u>	<u>Superseded Number</u>	<u>Dated</u>	<u>Effective Date</u>
BREMN	FIVE	BREMN.BREMN5	FOUR	10/17/2013	

TRANSITION ROUTES:

Transition Name	Transition Computer Code	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitude/Fixes
BELLAIRE	AIR.BREMN5	AIR VOR/DME	AIR VOR/DME						
			HISOM	263.00 (AIR R-263)	34.27	9000			
			FRICC	263.00 (AIR R-263)	28.92	9000			
			BREMN	263.00 (AIR R-263)	12.56	9000			
HENDERSON	HNN.BREMN5	HNN VORTAC	HNN VORTAC						
			TASKE	345.85 (HNN R-346)	10.00	10000			
			NIKLS	345.85 (HNN R-346)	42.73	10000			
			BREMN	348.49 (APE R-168)	06.68	10000			
MORGANTOWN	MGW.BREMN5	MGW VORTAC	MGW VORTAC						
			HISOM	289.41 & 289.11 (MGW R-289 & ZZZ R-109)	79.96	10000			
			FRICC	263.00 (AIR R-263)	28.92	9000			
			BREMN	263.00 (AIR R-263)	12.56	9000			

ARRIVAL ROUTE DESCRIPTION:

FROM OVER BREMN, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

**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.

<u>Arrival Name</u>	<u>Number</u>	<u>STAR Computer Code</u>	<u>Superseded Number</u>	<u>Dated</u>	<u>Effective Date</u>
BREMN	FIVE	BREMN.BREMN5	FOUR	10/17/2013	

PROCEDURAL DATA NOTES:

VERTICAL PLANNING INFORMATION: TURBOJETS EXPECT TO CROSS FRICC AT 10000 AND 250 KIAS. TURBOJETS: EXPECT TO CROSS TASKE AT FL240. TURBOJETS: EXPECT TO CROSS NIKLS AT 11000 AND 250 KIAS.
NOTE: DME REQUIRED.
NOTE: RADAR REQUIRED.
NOTE: MGW TRANSITION TO BE FILED BY NON-TURBOJET AIRCRAFT ONLY, AT OR BELOW FL230.

FIXES AND/OR HOLDING PATTERNS:

COMMUNICATIONS:

JOHN GLENN COLUMBUS INTL ATIS. COLUMBUS APPROACH CONTROL. OHIO STATE UNIVERSITY ATIS. RICKENBACKER INTL ATIS.

AIRPORTS SERVED:

AIRPORT NAME	CITY	STATE
JOHN GLENN COLUMBUS INTL AIRPORT (KCMH)	COLUMBUS	OH
OHIO STATE UNIVERSITY (KOSU)	COLUMBUS	OH
RICKENBACKER INTL (KLCK)	COLUMBUS	OH
BOLTON FIELD (KTZR)	COLUMBUS	OH

LOST COMMUNICATIONS PREFERENCES:

IN THE EVENT OF LOST COMMUNICATIONS:
FOR CMH - FROM BREMN DIRECT APE VORTAC, MAINTAIN 3000 UNTIL APE VORTAC.
FOR OSU - FROM BREMN ON V45 TO APE VORTAC THEN ON V12 TO DIPNE THEN DIRECT FULER (OS) LOM, MAINTAIN 3000 UNTIL FULER (OS) LOM (ADF REQUIRED).
FOR TZR - FROM BREMN TO XUB VOR DIRECT BOUTN (BU) LOM, MAINTAIN 3000 UNTIL BOUTN (BU) LOM (ADF REQUIRED).

REMARKS:

THIS AMENDMENT DOES NOT QUALIFY AS A PERIODIC REVIEW.

**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.

<u>Arrival Name</u>	<u>Number</u>	<u>STAR Computer Code</u>	<u>Superseded Number</u>	<u>Dated</u>	<u>Effective Date</u>
BREMN	FIVE	BREMN.BREMN5	FOUR	10/17/2013	

ADDITIONAL FLIGHT DATA:

MOCAS NOT REQUIRED AT ATC REQUEST.

FLIGHT INSPECTED BY:

FLIGHT INSPECTION NOT REQUIRED, MANAGER ROBERT STUCKERT

ORGANIZATION:

AJW-331

DATE:

Flight Inspected Signature:

Digitally signed by
STEVEN A VARGAS
Mar 21, 2017

DEVELOPED BY:

THOMAS G. DURY

ZID-530

8/31/2016

Developed By Signature:

Digitally signed by
STEVEN A VARGAS
Mar 21, 2017

APPROVED BY:

JULIE MORGAN, MANAGER

AJV-5420

Approved By Signature:

Digitally signed by
STEVEN A VARGAS
Mar 21, 2017

CHANGES:

1. CHANGED ALL REFERENCE OF PORT COLUMBUS INTL TO JOHN GLENN COLUMBUS INTL AIRPORT.
2. CHANGED ALL INSTANCES OF THE WORD "VIA" TO "ON" AND REMOVED ALL INSTANCES OF "FIX".

REASONS:

1. AIRPORT NAME CHANGE.
2. VIA IS RESERVED FOR CLIMB AND DESCEND VIA CLEARANCES, INT NO LONGER USED IN FIX DESCRIPTIONS.

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.

<u>Arrival Name</u>	<u>Number</u>	<u>STAR Computer Code</u>	<u>Superseded Number</u>	<u>Dated</u>	<u>Effective Date</u>
BREMN	FIVE	BREMN.BREM5	FOUR	10/17/2013	

Title:

