

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>GAILL (RNAV)</b>	<b>THREE</b>	<b>GAILL.GAILL3</b>	<b>TWO</b>	<b>08/22/2013</b>	

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
CINCINNATI	CVG.GAILL3	CVG VORTAC	CVG VORTAC						
			MOAKS	061.59	29.00	14000			
			GAILL	070.58	40.22	10000			
LOUISVILLE	IIU.GAILL3	IIU VORTAC	IIU VORTAC						
			CVG VORTAC	043.68	68.44	FL180			
			MOAKS	061.59	29.00	14000			
			GAILL	070.58	40.22	10000			
POCKET CITY	PXV.GAILL3	PXV VORTAC	PXV VORTAC						
			JUDDI	058.00	79.85	FL180			
			CVG VORTAC	085.75	82.81	FL180			
			MOAKS	061.59	29.00	14000			
			GAILL	070.58	40.22	10000			
ST LOUIS	STL.GAILL3	STL VORTAC	STL VORTAC						
			JUDDI	097.57	189.66	FL180			
			CVG VORTAC	085.75	82.81	FL180			
			MOAKS	061.59	29.00	14000			
			GAILL	070.58	40.22	10000			

ARRIVAL ROUTE DESCRIPTION:

FROM GAILL ON TRACK 058.77/15.64 TO WOLAN (MEA 8000), THEN ON TRACK 058.70/15.63 TO CENEM (MEA 4000), THEN ON TRACK 101.25/24.73 TO NUMDE (MEA 4000), THEN ON HEADING 101.25. EXPECT RADAR VECTORS.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

CHART: VERTICAL NAVIGATION PLANNING INFORMATION: EXPECT TO CROSS GAILL AT 11000. EXPECT TO CROSS CENEM AT 6000. EXPECT TO CROSS CVG VORTAC AT FL 240.

NOTE: CVG TRANSITION ONLY FOR USE BY SDF, LEX TERMINAL AREA DEPARTURES, OR AS ASSIGNED BY ATC.

NOTE: FOR NON-GPS EQUIPPED AIRCRAFT ROD, CVG, APE, AND ZZV DME'S MUST BE OPERATIONAL.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT GAILL: HOLD W, LT, 070.58 INBOUND, 8 NM LEGS.

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COMMUNICATIONS:

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

AIRPORTS SERVED:

JOHN GLENN COLUMBUS INTL AIRPORT (KCMH), COLUMBUS, OH  
RICKENBACKER INTL (KLCK), COLUMBUS, OH  
OHIO STATE UNIVERSITY (KOSU), COLUMBUS, OH  
BOLTON FIELD (KTZR), COLUMBUS, OH  
FAIRFIELD COUNTY (KLHQ), LANCASTER, OH  
NEWARK-HEATH (KVTA), NEWARK, OH

LOST COMMUNICATIONS PROCEDURE:

KCMH: LANDING EAST-AT WOLAN FLY HEADING 360, INTERCEPT FINAL APPROACH COURSE AND EXECUTE APPROACH.  
KCMH: LANDING WEST- AT NUMDE, FLY HEADING 010, INTERCEPT FINAL APPROACH COURSE AND EXECUTE APPROACH.

REMARKS:

THIS AMENDMENT DOES NOT QUALIFY AS A PERIODIC REVIEW.

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)  
REFERENCE MAGNETIC VARIATION = KCMH 07W/2015  
CHART: LANDING KCMH RWYS 10, KTZR, KLCK, KOSU, EXPECT RADAR VECTORS PRIOR TO WOLAN.  
CHART: LANDING KCMH RWYS 28, KLHQ, KVTA, EXPECT RADAR VECTORS PRIOR TO NUMDE.  
MOCAs NOT REQUIRED FOR THIS PROCEDURE, ATC REQUEST.

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<u>FLIGHT INSPECTED BY:</u>					
FLIGHT INSPECTION NOT REQUIRED, MANAGER ROBERT STUCKERT Name		AJW-331 Organization		Digitally signed by <b>STEVEN A VARGAS</b> Mar 21, 2017 Signature	
<u>DEVELOPED BY:</u>					
JAMES ROGERS, AIS Name		AJV-5421 Organization	1/24/2017 Date	Digitally signed by <b>STEVEN A VARGAS</b> Mar 21, 2017 Signature	
<u>APPROVED BY:</u>					
JULIE MORGAN, MANAGER Name		AJV-5420 Organization		Digitally signed by <b>STEVEN A VARGAS</b> Mar 21, 2017 Signature	

CHANGES:

1. CHANGED ALL REFERENCE OF PORT COLUMBUS INTL TO JOHN GLENN COLUMBUS INTL AIRPORT.
2. COMBINED ALL CRITICAL DME NOTES INTO ONE.

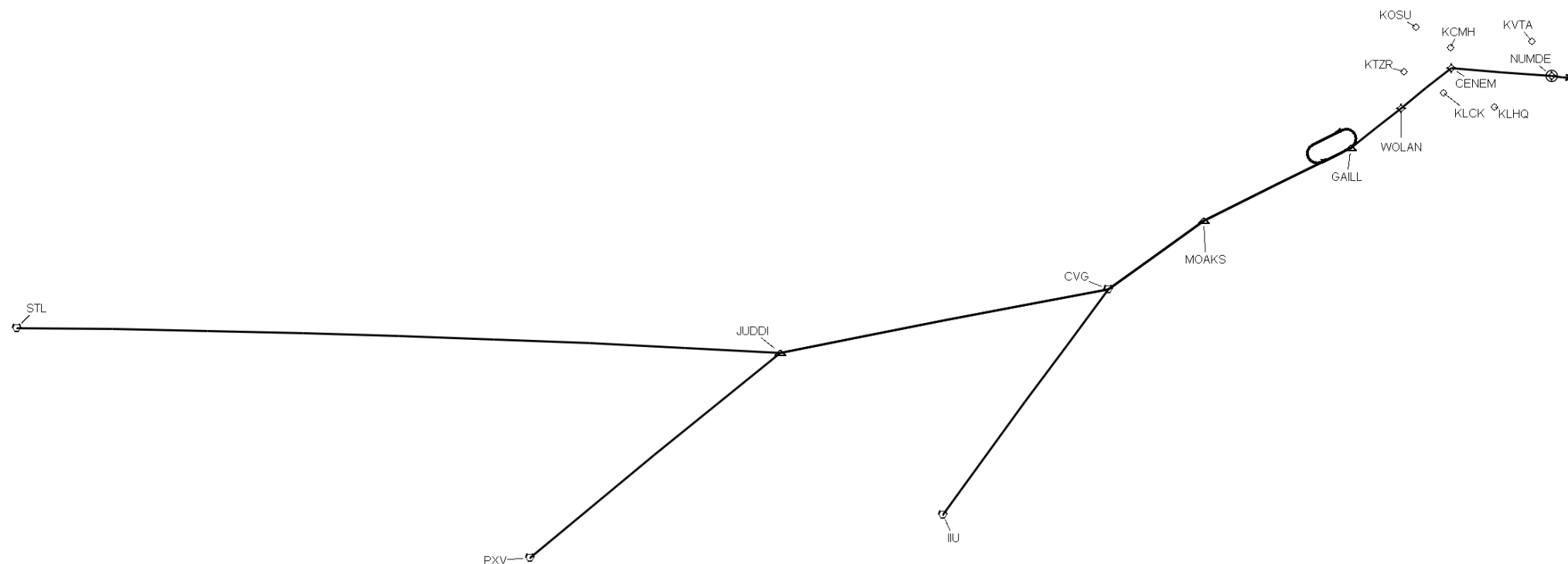
REASONS:

1. AIRPORT NAME CHANGING 6/22/2017.
2. NOTES APPLIED TO ALL ENROUTE TRANSITIONS AND EACH NOTE REQUIRED THE SAME DMEs BE OPERATIONAL.

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<b>Graphic Depiction 1</b>					



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STAR (DATA RECORD)

Arrival Name GAILL (RNAV)	Number THREE	STAR Computer Code GAILL.GAILL3		Superseded Number TWO		Dated 08/22/2013		Effective Date	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
CVG VORTAC	390057.53N / 0844212.05W	Y		IF					CVG.GAILL3
MOAKS	391742.68N / 0841145.31W	Y	FB	TF	054.59	29.00			
GAILL	393527.94N / 0832509.82W	Y	FB	TF	063.58	40.22			
En Route Transition									
IIU VORTAC	380612.47N / 0853438.77W	Y		IF					IIU.GAILL3
CVG VORTAC	390057.53N / 0844212.05W	Y	FB	TF	036.68	68.44			
MOAKS	391742.68N / 0841145.31W	Y	FB	TF	054.59	29.00			
GAILL	393527.94N / 0832509.82W	Y	FB	TF	063.58	40.22			
En Route Transition									
PXV VORTAC	375541.95N / 0874544.57W	Y		IF					PXV.GAILL3
JUDDI	384533.68N / 0862624.62W	Y	FB	TF	051.00	79.85			
CVG VORTAC	390057.53N / 0844212.05W	Y	FB	TF	078.75	82.81			
MOAKS	391742.68N / 0841145.31W	Y	FB	TF	054.59	29.00			
GAILL	393527.94N / 0832509.82W	Y	FB	TF	063.58	40.22			
En Route Transition									
STL VORTAC	385138.48N / 0902856.52W	Y		IF					STL.GAILL3
JUDDI	384533.68N / 0862624.62W	Y	FB	TF	090.57	189.66			
CVG VORTAC	390057.53N / 0844212.05W	Y	FB	TF	078.75	82.81			
MOAKS	391742.68N / 0841145.31W	Y	FB	TF	054.59	29.00			
GAILL	393527.94N / 0832509.82W	Y	FB	TF	063.58	40.22			
Common Route									
GAILL	393527.94N / 0832509.82W	Y		IF					GAILL.GAILL3
WOLAN	394507.86N / 0830914.27W	Y	FB	TF	051.77	15.64			



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Arrival Name <b>GAILL (RNAV)</b>		Number <b>THREE</b>		STAR Computer Code <b>GAILL.GAILL3</b>		Superseded Number <b>TWO</b>		Dated <b>08/22/2013</b>		Effective Date
<b>FIX/NAVAID</b>	<b>LAT/LONG</b>	<b>C</b>	<b>FO/FB</b>	<b>LEG TYPE</b>	<b>TC</b>	<b>DIST (NM)</b>	<b>ALTITUDE</b>	<b>SPEED</b>	<b>REMARKS</b>	
CENEM	395448.59N / 0825317.71W	Y	FB	TF	051.70	15.63				
NUMDE	395254.12N / 0822115.44W	Y	FO	TF	094.25	24.73				
KCMH,KLCK,KLHQ, KOSU, KTZR,KVTA				VM	094.25					