

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.
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Arrival Name RAVNN (RNAV)	Number NINE	STAR Computer Code CAPKO.RAVNN9	Superseded Number EIGHT	Dated 04/17/2025	Effective Date 14 May 2026				
TRANSITION ROUTES:									
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
CACYE	CACYE.RAVNN9	CACYE	CACYE						
			TBART	105.38	65.39	17000	6900		
			WYTEA	078.24	24.85	14000	6300		
			YAEGR	078.54	05.00	10000	6300		AT FL270
			AKELL	082.83	18.78	10000	6300		AT/ABOVE FL240
			CAASH	083.51	07.75	10000	5900		AT/ABOVE FL220
			ECHOZ	085.71	06.56	10000	3600		AT/ABOVE FL200
			DNKEY	085.66	09.96	10000	3400		AT FL190
			FIMBO	096.57	22.65	10000	3000		AT 16000
			UDUDE	096.78	06.52	10000	2600		AT/ABOVE 13000
			REXEE	096.89	07.45	10000	2600		AT/ABOVE 12000
			ELDEE	096.98	03.55	5000	2600		AT/BELOW 11000
			CAPKO	097.02	09.50	5000	2600		AT 9000
CJAAE	CJAAE.RAVNN9	CJAAE	CJAAE						
			JOOEY	077.54	21.50	17000	6700		
			TBART	077.80	36.90	17000	6700		
			WYTEA	078.24	24.85	14000	6300		
			YAEGR	078.54	05.00	10000	6300		AT FL270
			AKELL	082.83	18.78	10000	6300		AT/ABOVE FL240
			CAASH	083.51	07.75	10000	5900		AT/ABOVE FL220
			ECHOZ	085.71	06.56	10000	3600		AT/ABOVE FL200
			DNKEY	085.66	09.96	10000	3400		AT FL190
			FIMBO	096.57	22.65	10000	3000		AT 16000
			UDUDE	096.78	06.52	10000	2600		AT/ABOVE 13000
			REXEE	096.89	07.45	10000	2600		AT/ABOVE 12000
			ELDEE	096.98	03.55	5000	2600		AT/BELOW 11000
			CAPKO	097.02	09.50	5000	2600		AT 9000

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Arrival Name RAVNN (RNAV)	Number NINE			STAR Computer Code CAPKO.RAVNN9	Superseded Number EIGHT			Dated 04/17/2025	Effective Date 14 May 2026
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
HBUDA	HBUDA.RAVNN9	HBUDA	HBUDA						AT/ABOVE FL250
			JBAAY	036.91	14.84	12000	2600		AT FL230
			TOOJM	037.32	12.11	9000	2600		AT FL230
			ACROW	036.90	11.16	9000	2600		AT/ABOVE FL210
			DFORT	022.66	10.03	9000	2600		AT/ABOVE FL180
			WALKN	022.69	08.42	5000	2600		BETWEEN 15000 AND 17000
			JAYOH	045.95	13.48	5000	2600		BETWEEN 11000 AND 12000
			CAPKO	054.17	12.80	5000	2600		AT 9000
JOOEY	JOOEY.RAVNN9	JOOEY	JOOEY						
			TBART	077.80	36.90	17000	6700		
			WYTEA	078.24	24.85	14000	6300		
			YAEGR	078.54	05.00	10000	6300		AT FL270
			AKELL	082.83	18.78	10000	6300		AT/ABOVE FL240
			CAASH	083.51	07.75	10000	5900		AT/ABOVE FL220
			ECHOZ	085.71	06.56	10000	3600		AT/ABOVE FL200
			DNKEY	085.66	09.96	10000	3400		AT FL190
			FIMBO	096.57	22.65	10000	3000		AT 16000
			UDUDE	096.78	06.52	10000	2600		AT/ABOVE 13000
			REXEE	096.89	07.45	10000	2600		AT/ABOVE 12000
			ELDEE	096.98	03.55	5000	2600		AT/BELOW 11000
			CAPKO	097.02	09.50	5000	2600		AT 9000
THHMP	THHMP.RAVNN9	THHMP	THHMP						AT/ABOVE FL250
			FZEEK	021.78	13.39	9000	2600		AT FL230
			WHHTE	022.60	11.76	9000	2600		AT FL230
			ACROW	022.63	09.87	9000	2600		AT/ABOVE FL210
			DFORT	022.66	10.03	9000	2600		AT/ABOVE FL180

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Arrival Name			Number	STAR Computer Code		Superseded Number			Dated	Effective Date
RAVNN (RNAV)			NINE	CAPKO.RAVNN9		EIGHT			04/17/2025	14 May 2026
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes	
			WALKN	022.69	08.42	5000	2600		BETWEEN 15000 AND 17000	
			JAYOH	045.95	13.48	5000	2600		BETWEEN 11000 AND 12000	
			CAPKO	054.17	12.80	5000	2600		AT 9000	

ARRIVAL ROUTE DESCRIPTION:

BWI: FROM CAPKO ON TRACK 071.89/9.00 TO CROSS RAVNN BETWEEN 6000 AND 7000.

LANDING BWI RWY 10: FROM RAVNN ON TRACK 022.89/4.23 TO CROSS SEED BETWEEN 5000 AND 6000, THEN ON TRACK 359.26/7.47 TO CROSS NAVEY AT 5000 AND AT 230 KIAS, THEN ON TRACK 310.87/7.40 TO CROSS ANCRN AT 4000 AND AT 210 KIAS, THEN ON TRACK 311.10/5.20 TO LURRL, THEN ON TRACK 299.92/2.80 TO HUNNN, THEN ON TRACK 299.92/2.00 TO CROSS HUTOO AT 4000, THEN ON TRACK 299.92. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING BWI RWY 15L: FROM RAVNN ON TRACK 022.89/4.23 TO CROSS SEED BETWEEN 5000 AND 6000, THEN ON TRACK 033.41/11.82 TO CROSS BRRKE AT 4000, THEN ON TRACK 032.73/9.62 TO CROSS DRZT AT 4000, THEN ON TRACK 337.71/11.27 TO DAAXX, THEN ON TRACK 301.22/9.56 TO CROSS DADLE AT 4000 AND AT 210 KIAS, THEN ON TRACK 333.97/2.58 TO CROSS RYJON AT 4000, THEN ON TRACK 335.20. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING BWI RWY 15R: FROM RAVNN ON TRACK 022.89/4.23 TO CROSS SEED BETWEEN 5000 AND 6000, THEN ON TRACK 359.26/7.47 TO CROSS NAVEY AT 5000 AND AT 230 KIAS, THEN ON TRACK 310.87/7.40 TO CROSS ANCRN AT 4000 AND AT 210 KIAS, THEN ON TRACK 311.10/5.20 TO LURRL, THEN ON TRACK 299.92/2.80 TO HUNNN, THEN ON TRACK 003.04/11.49 TO CROSS ZARTZ AT 4000 AND AT 210 KIAS, THEN ON TRACK 337.70/2.00 TO CROSS WEXUM AT 4000, THEN ON TRACK 337.70. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING BWI RWY 28: FROM RAVNN ON TRACK 022.89/4.23 TO CROSS SEED BETWEEN 5000 AND 6000, THEN ON TRACK 020.11/9.27 TO CROSS TOGAH AT 5000 AND AT 210 KIAS, THEN ON TRACK 019.66/4.90 TO CROSS BMTR AT 4000, THEN ON TRACK 105.57/3.00 TO CROSS GINZU AT 4000, THEN ON TRACK 105.57. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING BWI RWY 33L: FROM RAVNN ON TRACK 022.89/4.23 TO CROSS SEED BETWEEN 5000 AND 6000, THEN ON TRACK 007.96/4.14 TO CROSS KOOLZ AT 5000 AND AT 210 KIAS, THEN ON TRACK 007.96. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING BWI RWY 33R: FROM RAVNN ON TRACK 022.89/4.23 TO CROSS SEED BETWEEN 5000 AND 6000, THEN ON TRACK 025.78/10.27 TO CROSS DUDDS AT 3000. EXPECT ILS OR LOC RWY 33R APPROACH.

LANDING MTN: FROM CAPKO ON TRACK 071.89/9.00 TO CROSS RAVNN BETWEEN 6000 AND 7000, THEN ON TRACK 071.99/5.00 TO CROSS MALXX AT 6000, THEN ON TRACK 072.05/8.12 TO CROSS AMRTN AT 5000, THEN ON HEADING 072.05. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

PROCEDURAL DATA NOTES:

NOTE: JET AIRCRAFT ONLY

NOTE: ALL PART 91, 101, 103, 105, 125, 133, 135, AND 137 FLIGHT OPERATIONS ARE PROHIBITED ON THE CACYE/CJAAE/JOOEY TRANSITIONS.

NOTE: HBUDA TRANSITION, ATC ASSIGNED ONLY.

NOTE: JOOEY TRANSITION, ATC ASSIGNED ONLY.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT ACROW: HOLD SW, LT, 022.63 INBOUND, 10 NM LEGS.

CHART HOLDING AT CAASH: HOLD W, LT, 083.51 INBOUND, 10 NM LEGS.

CHART HOLDING AT HBUDA: HOLD SW, RT, 030.33 INBOUND, 10 NM LEGS.

CHART HOLDING AT JAYOH: HOLD SW, LT, 045.95 INBOUND, 10 NM LEGS, 210 KIAS.

CHART HOLDING AT RAVNN: HOLD W, RT, 071.89 INBOUND, 5 NM LEGS, 210 KIAS.

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RAVNN (RNAV)	NINE	CAPKO.RAVNN9	EIGHT	04/17/2025	14 May 2026

CHART HOLDING AT TBART: HOLD W, LT, 077.54 INBOUND, 10 NM LEGS.
CHART HOLDING AT THHMP: HOLD S, LT, 013.11 INBOUND, 10 NM LEGS.
CHART: DBOGG.

COMMUNICATIONS:

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
BWI	BALTIMORE	MD
MTN	BALTIMORE	MD

LOST COMMUNICATIONS PREFERENCES:

REMARKS:

ABBREVIATED AMENDMENT
THE ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.
MOCA VALUES 2600 FT DUE TO 1549 MSL TWR (24-001005, 1A) LOCATED DOWNSTREAM IN RWY TRANSITIONS.

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)
MAG VAR: BWI 11W/2000
CHART AT RYJON TERMINUS: BWI LDG RWY 15L
CHART AT WEXUM TERMINUS: BWI LDG RWY 15R
CHART AT GINZU TERMINUS: BWI LDG RWY 28
CHART AT KOOLZ TERMINUS: BWI LDG RWY 33L
CHART AT HUTOO TERMINUS: BWI LDG RWY 10
CHART AT DUDDS TERMINUS: BWI LDG RWY 33R
CHART AT AMRTN TERMINUS: LDG MTN

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RAVNN (RNAV)	NINE	CAPKO.RAVNN9	EIGHT	04/17/2025	14 May 2026

FLIGHT INSPECTED BY:**ORGANIZATION:** **DATE:**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION VALIDATION.

Flight Inspected Signature:

Digitally signed by
CASIMIR L TABAKA

Feb 05, 2026

DEVELOPED BY:

GUY COPELAND

AJV-A432

12/10/2025

Developed By Signature:

Digitally signed by
CASIMIR L TABAKA

Feb 05, 2026

Digitally signed by

CASIMIR L TABAKA

Feb 05, 2026

APPROVED BY:

BEV BORDY

AJV-A430

Approved By Signature:

CHANGES:

1. CHANGED FIX NAME FROM FHRST TO GINZU.
2. CHANGED FIX NAME FROM ZOEYY TO WEXUM.
3. LANDING RWY 33R: CHANGED CROSSING RESTICTION AT DUDDS FROM AT OR ABOVE 3000 TO AT 3000.
4. INCREASED ALL PRIOR 2100 FT MOCA VALUES FROM 2100 TO 2600.
5. ADDED REMARK MOCA VALUES 2600 FT DUE TO 1549 MSL TWR (24-001005, 1A) LOCATED DOWNSTREAM IN RWY TRANSITIONS.
6. CORRECTED RWY 15L FM LEG MAG COURSE FROM 335.19 TO 335.20.
7. CORRECTED MTN COMMON ROUTE FM LEG MAG COURSE FROM 073.00 TO 072.05.

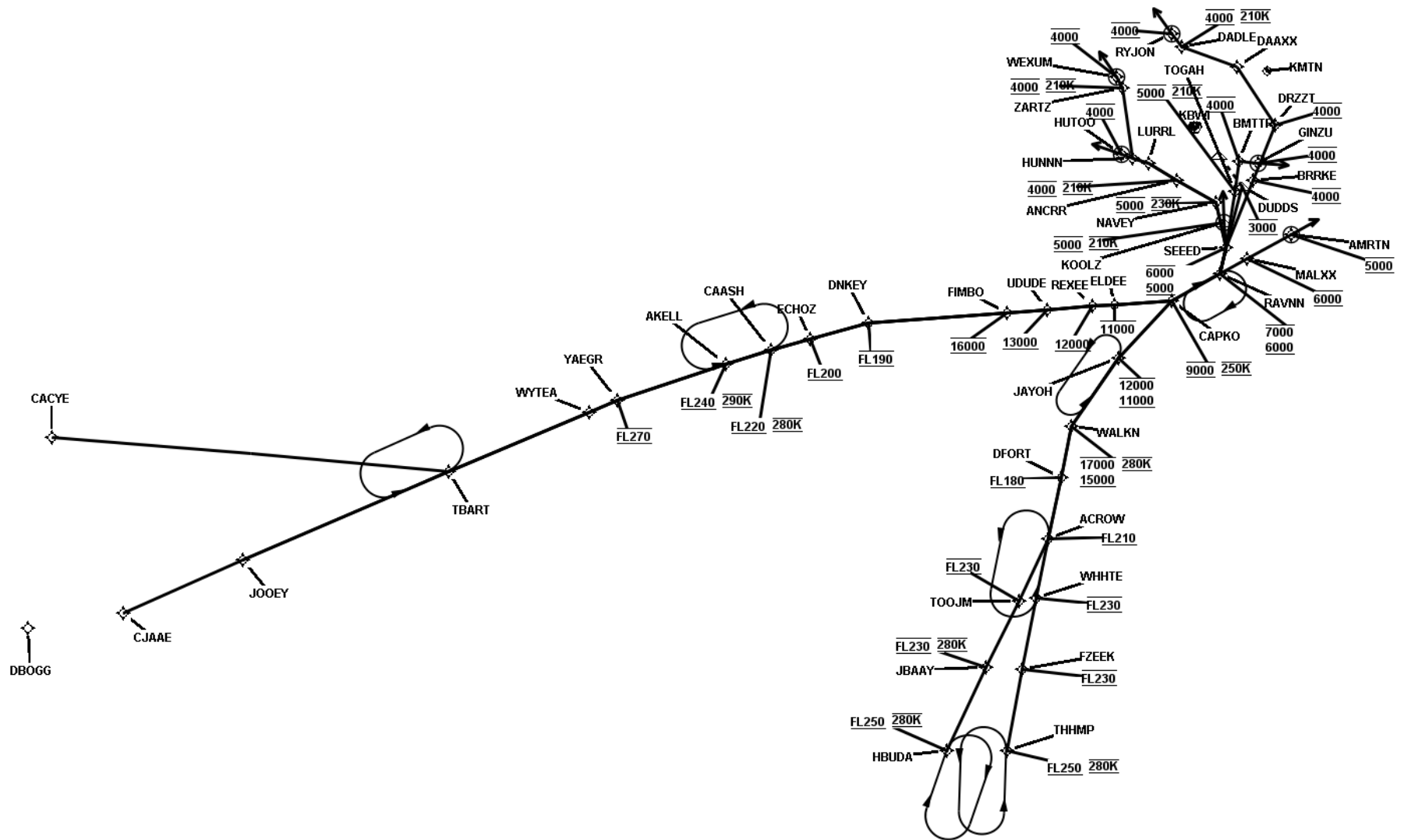
REASONS:

- 1-3. ATC REQUEST.
- 4-5. NEW OBSTACLE EVALUATION, 1549 MSL TWR (24-001005, 1A) LOCATED DOWNSTREAM IN RWY TRANSITION.
- 6-7. CORRECT ADMIN ERROR.

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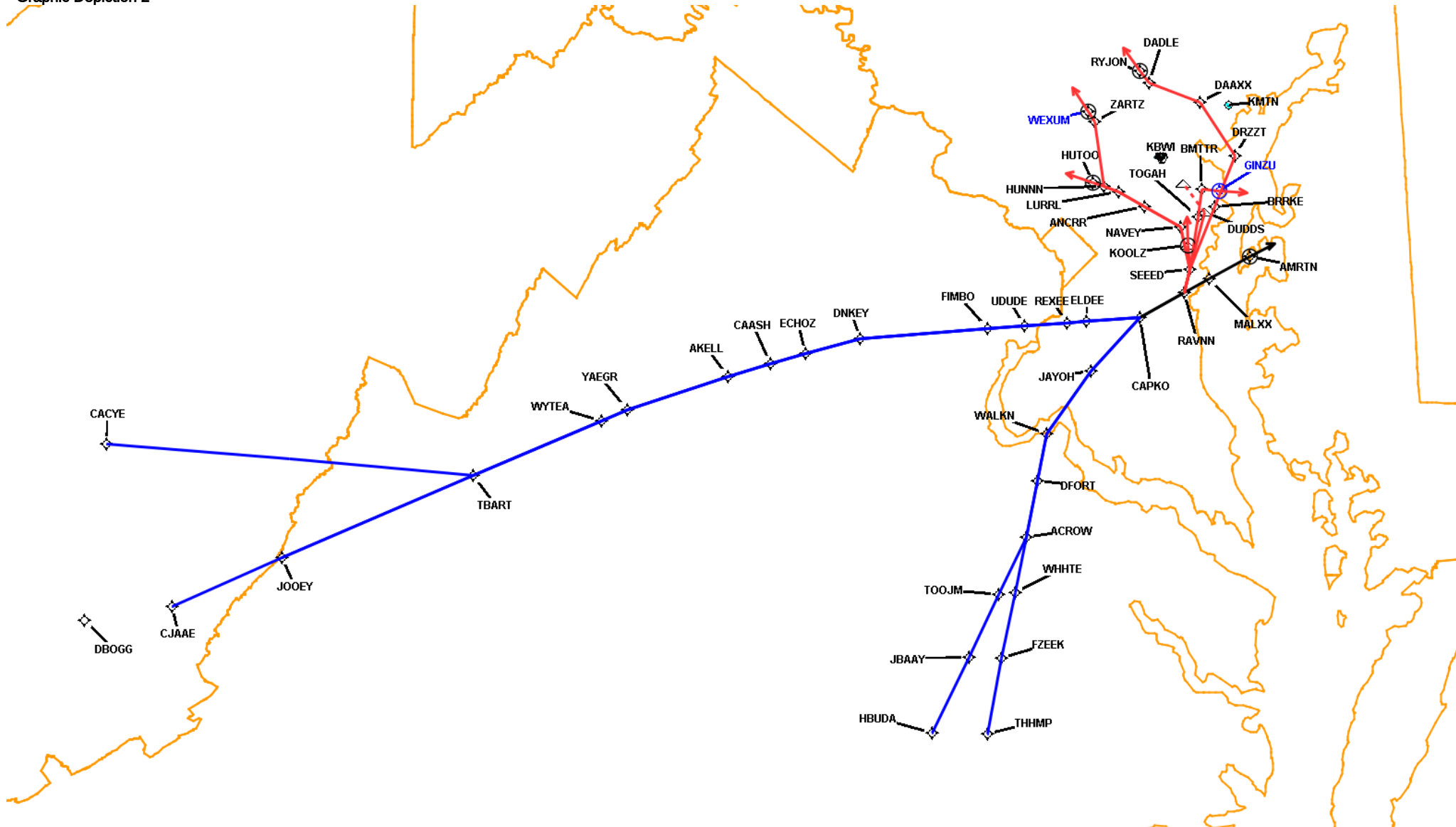
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
RAVNN (RNAV)	NINE	CAPKO.RAVNN9	EIGHT	04/17/2025	14 May 2026
Graphic Depiction 1					



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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
RAVNN (RNAV)	NINE	CAPKO.RAVNN9	EIGHT	04/17/2025	14 May 2026
Graphic Depiction 2					



**FEDERAL AVIATION ADMINISTRATION
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STAR (DATA RECORD)**

Arrival Name RAVNN (RNAV)		Number NINE		STAR Computer Code CAPKO.RAVNN9		Superseded Number EIGHT		Dated 04/17/2025	Effective Date 14 May 2026
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
CACYE	382015.58N / 0803816.68W	Y		IF					CACYE.RAVNN9
TBART	381446.33N / 0791530.80W	Y	FB	TF	094.38	65.39			
WYTEA	382420.12N / 0784621.44W	Y	FB	TF	067.24	24.85			
YAEGR	382614.68N / 0784028.57W	Y	FB	TF	067.54	05.00	AT FL270		
AKELL	383204.23N / 0781743.80W	Y	FB	TF	071.83	18.78	AT/ABOVE FL240	AT 290K	
CAASH	383423.77N / 0780818.29W	Y	FB	TF	072.51	07.75	AT/ABOVE FL220	AT 280K	
ECHOZ	383607.45N / 0780013.62W	Y	FB	TF	074.71	06.56	AT/ABOVE FL200		
DNKEY	383845.05N / 0774758.01W	Y	FB	TF	074.66	09.96	AT FL190		
FIMBO	384026.49N / 0771908.04W	Y	FB	TF	085.57	22.65	AT 16000		
UDUDE	384055.04N / 0771049.81W	Y	FB	TF	085.78	06.52	AT/ABOVE 13000		
REXEE	384126.70N / 0770120.49W	Y	FB	TF	085.89	07.45	AT/ABOVE 12000		
ELDEE	384141.57N / 0765649.11W	Y	FB	TF	085.98	03.55	AT/BELOW 11000		
CAPKO	384220.52N / 0764442.54W	Y	FB	TF	086.02	09.50	AT 9000	AT 250K	
En Route Transition									
CJAAE	375149.68N / 0802331.30W	Y		IF					CJAAE.RAVNN9
JOOEY	380021.08N / 0795834.00W	Y	FB	TF	066.54	21.50			
TBART	381446.33N / 0791530.80W	Y	FB	TF	066.80	36.90			
WYTEA	382420.12N / 0784621.44W	Y	FB	TF	067.24	24.85			
YAEGR	382614.68N / 0784028.57W	Y	FB	TF	067.54	05.00	AT FL270		
AKELL	383204.23N / 0781743.80W	Y	FB	TF	071.83	18.78	AT/ABOVE FL240	AT 290K	
CAASH	383423.77N / 0780818.29W	Y	FB	TF	072.51	07.75	AT/ABOVE FL220	AT 280K	
ECHOZ	383607.45N / 0780013.62W	Y	FB	TF	074.71	06.56	AT/ABOVE FL200		
DNKEY	383845.05N / 0774758.01W	Y	FB	TF	074.66	09.96	AT FL190		
FIMBO	384026.49N / 0771908.04W	Y	FB	TF	085.57	22.65	AT 16000		
UDUDE	384055.04N / 0771049.81W	Y	FB	TF	085.78	06.52	AT/ABOVE 13000		
REXEE	384126.70N / 0770120.49W	Y	FB	TF	085.89	07.45	AT/ABOVE 12000		

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STAR (DATA RECORD)

Arrival Name RAVNN (RNAV)		Number NINE		STAR Computer Code CAPKO.RAVNN9		Superseded Number EIGHT		Dated 04/17/2025	Effective Date 14 May 2026
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
ELDEE	384141.57N / 0765649.11W	Y	FB	TF	085.98	03.55	AT/BELOW 11000		
CAPKO	384220.52N / 0764442.54W	Y	FB	TF	086.02	09.50	AT 9000	AT 250K	
En Route Transition									
HBUDA	372935.62N / 0773136.86W	Y		IF			AT/ABOVE FL250	AT 280K	HBUDA.RAVNN9
JBAAY	374257.29N / 0772326.35W	Y	FB	TF	025.91	14.84	AT FL230	AT 280K	
TOOJM	375348.97N / 0771639.40W	Y	FB	TF	026.32	12.11	AT FL230		
ACROW	380351.93N / 0771028.98W	Y	FB	TF	025.90	11.16	AT/ABOVE FL210		
DFORT	381341.68N / 0770754.66W	Y	FB	TF	011.66	10.03	AT/ABOVE FL180		
WALKN	382156.95N / 0770544.54W	Y	FB	TF	011.69	08.42	15000B17000	AT 280K	
JAYOH	383300.31N / 0765553.86W	Y	FB	TF	034.95	13.48	11000B12000		
CAPKO	384220.52N / 0764442.54W	Y	FB	TF	043.17	12.80	AT 9000	AT 250K	
En Route Transition									
JOOEY	380021.08N / 0795834.00W	Y		IF					JOOEY.RAVNN9
TBART	381446.33N / 0791530.80W	Y	FB	TF	066.80	36.90			
WYTEA	382420.12N / 0784621.44W	Y	FB	TF	067.24	24.85			
YAEGR	382614.68N / 0784028.57W	Y	FB	TF	067.54	05.00	AT FL270		
AKELL	383204.23N / 0781743.80W	Y	FB	TF	071.83	18.78	AT/ABOVE FL240	AT 290K	
CAASH	383423.77N / 0780818.29W	Y	FB	TF	072.51	07.75	AT/ABOVE FL220	AT 280K	
ECHOZ	383607.45N / 0780013.62W	Y	FB	TF	074.71	06.56	AT/ABOVE FL200		
DNKEY	383845.05N / 0774758.01W	Y	FB	TF	074.66	09.96	AT FL190		
FIMBO	384026.49N / 0771908.04W	Y	FB	TF	085.57	22.65	AT 16000		
UDUDE	384055.04N / 0771049.81W	Y	FB	TF	085.78	06.52	AT/ABOVE 13000		
REXEE	384126.70N / 0770120.49W	Y	FB	TF	085.89	07.45	AT/ABOVE 12000		
ELDEE	384141.57N / 0765649.11W	Y	FB	TF	085.98	03.55	AT/BELOW 11000		
CAPKO	384220.52N / 0764442.54W	Y	FB	TF	086.02	09.50	AT 9000	AT 250K	
En Route Transition									
THHMP	372929.47N / 0771908.75W	Y		IF			AT/ABOVE FL250	AT 280K	THHMP.RAVNN9

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
FZEEK	374239.52N / 0771559.43W	Y	FB	TF	010.78	13.39	AT FL230		
WHHTE	375411.42N / 0771300.13W	Y	FB	TF	011.60	11.76	AT FL230		
ACROW	380351.93N / 0771028.98W	Y	FB	TF	011.63	09.87	AT/ABOVE FL210		
DFORT	381341.68N / 0770754.66W	Y	FB	TF	011.66	10.03	AT/ABOVE FL180		
WALKN	382156.95N / 0770544.54W	Y	FB	TF	011.69	08.42	15000B17000	AT 280K	
JAYOH	383300.31N / 0765553.86W	Y	FB	TF	034.95	13.48	11000B12000		
CAPKO	384220.52N / 0764442.54W	Y	FB	TF	043.17	12.80	AT 9000	AT 250K	
Common Route									
CAPKO	384220.52N / 0764442.54W	Y		IF			AT 9000	AT 250K	CAPKO.RAVNN9
RAVNN	384643.06N / 0763439.23W	Y	FB	TF	060.89	09.00	6000B7000		
Common Route									
CAPKO	384220.52N / 0764442.54W	Y		IF			AT 9000	AT 250K	CAPKO.RAVNN9
RAVNN	384643.06N / 0763439.23W	Y	FB	TF	060.89	09.00	6000B7000		
MALXX	384908.54N / 0762903.53W	Y	FB	TF	060.99	05.00	AT 6000		
AMRTN	385304.27N / 0761957.55W	Y	FO	TF	061.05	08.12	AT 5000		
KMTN				VM	061.05				
Runway Transition									
RAVNN	384643.06N / 0763439.23W	Y		IF			6000B7000		
SEED	385051.66N / 0763332.32W	Y	FB	TF	011.89	04.23	5000B6000		
NAVEY	385810.99N / 0763529.26W	Y	FB	TF	348.26	07.47	AT 5000	AT 230K	
ANCRR	390152.15N / 0764343.60W	Y	FB	TF	299.87	07.40	AT 4000	AT 210K	
LURRL	390428.63N / 0764930.23W	Y	FB	TF	300.10	05.20			
HUNNN	390523.10N / 0765254.35W	Y	FB	TF	288.92	02.80			
HUTOO	390602.02N / 0765520.17W	Y	FO	TF	288.92	02.00	AT 4000		
KBWI:RWY 10				FM	288.92				

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name RAVNN (RNAV)		Number NINE		STAR Computer Code CAPKO.RAVNN9			Superseded Number EIGHT			Dated 04/17/2025	Effective Date 14 May 2026
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
Runway Transition											
RAVNN	384643.06N / 0763439.23W	Y		IF			6000B7000				
SEED	385051.66N / 0763332.32W	Y	FB	TF	011.89	04.23	5000B6000				
BRRKE	390147.79N / 0762745.34W	Y	FB	TF	022.41	11.82	AT 4000				
DRZZT	391044.40N / 0762310.52W	Y	FB	TF	021.73	09.62	AT 4000				
DAAXX	392009.94N / 0763109.03W	Y	FB	TF	326.71	11.27					
DADLE	392327.88N / 0764243.50W	Y	FB	TF	290.22	09.56	AT 4000	AT 210K			
RYJON	392531.57N / 0764443.81W	Y	FO	TF	322.97	02.58	AT 4000				
KBWI:RWY 15L				FM	324.20						
Runway Transition											
RAVNN	384643.06N / 0763439.23W	Y		IF			6000B7000				
SEED	385051.66N / 0763332.32W	Y	FB	TF	011.89	04.23	5000B6000				
NAVEY	385810.99N / 0763529.26W	Y	FB	TF	348.26	07.47	AT 5000	AT 230K			
ANCRR	390152.15N / 0764343.60W	Y	FB	TF	299.87	07.40	AT 4000	AT 210K			
LURRL	390428.63N / 0764930.23W	Y	FB	TF	300.10	05.20					
HUNNN	390523.10N / 0765254.35W	Y	FB	TF	288.92	02.80					
ZARTZ	391646.19N / 0765457.24W	Y	FB	TF	352.04	11.49	AT 4000	AT 210K			
WEXUM	391826.57N / 0765622.11W	Y	FO	TF	326.70	02.00	AT 4000				
KBWI:RWY 15R				FM	326.70						
Runway Transition											
RAVNN	384643.06N / 0763439.23W	Y		IF			6000B7000				
SEED	385051.66N / 0763332.32W	Y	FB	TF	011.89	04.23	5000B6000				
TOGAH	390001.29N / 0763139.42W	Y	FB	TF	009.11	09.27	AT 5000	AT 210K			
BMTTR	390452.21N / 0763042.59W	Y	FB	TF	008.66	04.90	AT 4000				
GINZU	390437.80N / 0762652.18W	Y	FO	TF	094.57	03.00	AT 4000				
KBWI:RWY 28				FM	094.57						

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name	Number		STAR Computer Code		Superseded Number		Dated	Effective Date	
RAVNN (RNAV)	NINE		CAPKO.RAVNN9		EIGHT		04/17/2025	14 May 2026	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
Runway Transition									
RAVNN	384643.06N / 0763439.23W	Y		IF			6000B7000		
SEED	385051.66N / 0763332.32W	Y	FB	TF	011.89	04.23	5000B6000		
KOOLZ	385459.78N / 0763349.20W	Y	FO	TF	356.96	04.14	AT 5000	AT 210K	
KBWI:RWY 33L				FM	356.96				
Runway Transition									
RAVNN	384643.06N / 0763439.23W	Y		IF			6000B7000		
SEED	385051.66N / 0763332.32W	Y	FB	TF	011.89	04.23	5000B6000		
DUDDS	390048.21N / 0763010.61W	Y	FB	TF	014.78	10.27	AT 3000		
KBWI:RWY 33R									