

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
TRISH (RNAV)	FOUR	TRISH.TRISH4	THREE	09/15/2016	

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
BAINS	BAINS.TRISH4	BAINS	BAINS						
			KRVER	268.68	08.32	9000	1900		AT 10000
			FREEE	268.57	08.39	8000	1900		AT/ABOVE 9000
			TRISH	238.99	06.73	7000	1900		AT/BELOW 9000
IZZEE	IZZEE.TRISH4	IZZEE	IZZEE						
			LEGGO	161.18	45.11	10000	4800		
			DRRES	146.22	32.37	9000	3900		AT 10000
			RAUKY	172.54	12.20	8000	3200		AT/ABOVE 9000
			TRISH	172.52	13.08	7000	2100		AT/BELOW 9000
LANCASTER	LRP.TRISH4	LRP VOR/DME	LRP VOR/DME						
			DRRES	233.29	17.52	9000	3900		AT 10000
			RAUKY	172.54	12.20	8000	3200		AT/ABOVE 9000
			TRISH	172.52	13.08	7000	2100		AT/BELOW 9000
NUGGY	NUGGY.TRISH4	NUGGY	NUGGY						
			TROYZ	246.79	06.28	10000	2000		AT 12000
			FREEE	238.41	09.33	8000	1900		AT/ABOVE 9000
			TRISH	238.99	06.73	7000	1900		AT/BELOW 9000

ARRIVAL ROUTE DESCRIPTION:

LANDING KBWI RWY 10: FROM TRISH ON TRACK 257.93/17.65 TO CROSS STALK BETWEEN 5000 AND 7000, THEN ON TRACK 251.87/5.86 TO CROSS STARZ BETWEEN 4000 AND 5000 AND AT 210KIAS, THEN ON TRACK 209.62/3.08 TO CROSS STRPS AT 4000 AND AT 210 KIAS, THEN ON TRACK 248.05/3.98 TO BRAYV, THEN ON TRACK 284.93/2.09 TO CROSS SPNGL AT 4000, THEN ON HEADING 284.93. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KBWI RWY 15L/R: FROM TRISH ON TRACK 257.97/17.67 TO CROSS HUEYP AT 5000 AND AT 210 KIAS, THEN ON TRACK 346.62/2.49 TO CROSS RYJON AT 5000, THEN ON TRACK 346.62. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KBWI RWY 28: FROM TRISH ON TRACK 205.53/8.23 TO CROSS WUUDI BETWEEN 5000 AND 6000, THEN ON TRACK 205.51/5.69 TO CROSS FINNZ AT 5000 AND AT 210 KIAS, THEN ON TRACK 143.36/3.37 TO CROSS ASHOR AT 4000, THEN ON TRACK 105.71/2.50 TO CROSS GRAMZ AT 4000, THEN ON HEADING 105.10. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KBWI RWY 33L/R: FROM TRISH ON TRACK 205.53/8.23 TO CROSS WUUDI BETWEEN 5000 AND 6000, THEN ON TRACK 205.51/5.69 TO CROSS FINNZ AT 5000 AND AT 210 KIAS, THEN ON TRACK 205.49/4.13 TO CROSS KEEYY AT 4000 AND AT 210 KIAS, THEN ON TRACK 204.09/5.04 TO CROSS ROAPS AT 4000, THEN ON TRACK 155.21/4.37 TO CROSS HOOK AT 4000, THEN ON TRACK 155.21. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KMTN: FROM TRISH ON TRACK 205.53/8.23 TO CROSS WUUDI BETWEEN 5000 AND 6000, THEN ON TRACK 205.51/5.69 TO CROSS FINNZ AT 5000 AND AT 210 KIAS, THEN ON TRACK 160.00/5.00 TO CROSS RAAY AT 4000, THEN ON TRACK 160.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS

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**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED

**PROCEDURAL DATA NOTES:**

NOTE: JET AIRCRAFT ONLY

NOTE: ZDC ARTCC WILL ISSUE LANDING DIRECTION.

NOTE: PCT TRACON WILL ISSUE RUNWAY ASSIGNMENT PRIOR TO TRISH.

**FIXES AND/OR HOLDING PATTERNS:**

CHART HOLDING AT DRRES: HOLD NW, LT, 146.22 INBOUND, 7 NM LEGS, 210 KIAS.

CHART HOLDING AT TRISH: HOLD NE, RT, 223.00 INBOUND, 7 NM LEGS, 210 KIAS.

**COMMUNICATIONS:**

CHART: POTOMAC APP CON

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KBWI	BALTIMORE	MD
KMTN	BALTIMORE	MD

**LOST COMMUNICATIONS PREFERENCES:**

**REMARKS:**

ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.

**ADDITIONAL FLIGHT DATA:**

DME/DME ASSESSMENT: SAT (RNP 2.0)

MAG VAR: KBWI 11W/2000

CHART AT HOOK TERMINUS: KBWI LDG RWY 33L/R

CHART AT RYJON TERMINUS: KBWI LDG RWY 15L/R

CHART AT GRAMZ TERMINUS: KBWI LDG RWY 28

CHART AT SPNGL TERMINUS: KBWI LDG RWY 10

CHART AT RAAYY TERMINUS: LDG KMTN

CHART: CAUTION: UNMARKED AEROSTAT TETHERED TO CABLE WITHIN R-4001C UP TO 10000 MSL.

CHART: R-4001 A, B, & C

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TRISH (RNAV)	FOUR	TRISH.TRISH4	THREE	09/15/2016	
<b>FLIGHT INSPECTED BY:</b>					Digitally signed by
MICHAEL G CAMPBELL	FPO	04/24/2024	Flight Inspected Signature:	ALLAN WILL	May 06, 2024
<b>DEVELOPED BY:</b>					Digitally signed by
David Johnson (FAA); Adam Searcy (NATCA)	ESC PBN Co-Leads	11/08/2023	Developed By Signature:	ALLAN WILL	May 06, 2024
<b>APPROVED BY:</b>					Digitally signed by
ALLAN WILL (MANAGER)	AJV-A423		Approved By Signature:	ALLAN WILL	May 06, 2024

**CHANGES:**

1. MOVED: STARZ 4098 FT.
2. MOVED: STRPS 4562 FT.
3. MOVED: ASHOR 1.03NM.
4. MOVED: GRAMZ 1.68NM.
5. REMOVED: 250 KIAS SPEED CONSTRAINT AT TRISH.
6. AMENDED: FREEE "8000B11000/250 KIAS" CONSTRAINT TO "AOB 9000."
7. AMENDED: STALK "AOA 5000" CONSTRAINT TO "5000B7000."
8. AMENDED: STARZ "AT 4000: CONSTRAINT TO "4000B5000/210 KIAS."
9. AMENDED: FINNZ "AT 5000" CONSTRAINT TO "AT 5000/210 KIAS."
10. ADDED: "AT 4000" CONSTRAINT AT ROAPS.
11. ADDED: "AT 4000" CONSTRAINT AT GRAMZ.
12. REMOVED: HOIST FROM PROCEDURE.
13. ADDED: SPNGL WITH "AT 4000" CONSTRAINT.
14. ADDED: HUEYB WITH "AT 5000/210 KIAS" CONSTRAINT.
15. ADDED: RYJON WITH "AT 5000" CONSTRAINT.
16. UPDATED: ENROUTE MOCA VALUES.
17. REMOVED: MEA/MOCA VALUES FROM COMMON ROUTE/RWY TRANSITIONS.
18. AMENDED: KBWI RWY ARRIVAL DESCRIPTIONS: SEPARATED/AMENDED INSTRUCTIONS FOR 19. RWY 10, 15L/R, 28, 33L/R AND REMOVED OR AS ASSIGNED BY ATC.
20. REMOVED: AIRPORT NAMES FROM AIRPORTS SERVED.
21. CHANGED: TURBOJET NOTE TO REFLECT JETS.
22. ADDED: NOTE ZDC ARTCC WILL ISSUE LANDING DIRECTION.
23. ADDED: NOTE: PCT TRACON WILL ISSUE RUNWAY ASSIGNMENT.
24. REMOVED: RECOMMENDED NAVAID.

**REASONS:**

- 1-2. RESOLVE LEG LENGTH FAILURES.
- 3-15. ATC REQUEST. PROVIDES MORE EFFICIENT ROUTING AND ALIGNS WITH ACTUAL OPERATIONAL REQUIREMENTS TO KBWI.
- 16-17. IAW 8260.19I.

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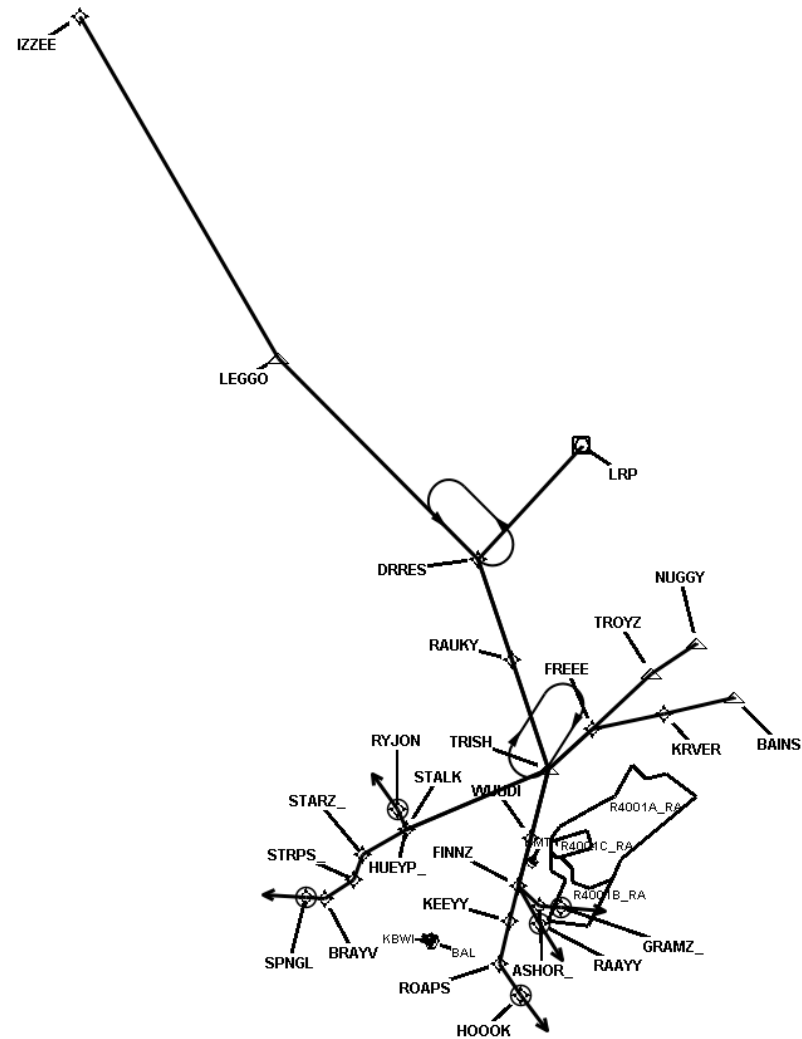
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>TRISH (RNAV)</b>	<b>FOUR</b>	<b>TRISH.TRISH4</b>	<b>THREE</b>	<b>09/15/2016</b>	
18. ATC REQUEST					
19-21. IAW 8260.19I.					
22-23. ATC REQUEST.					
24. IAW 8260.19I.					



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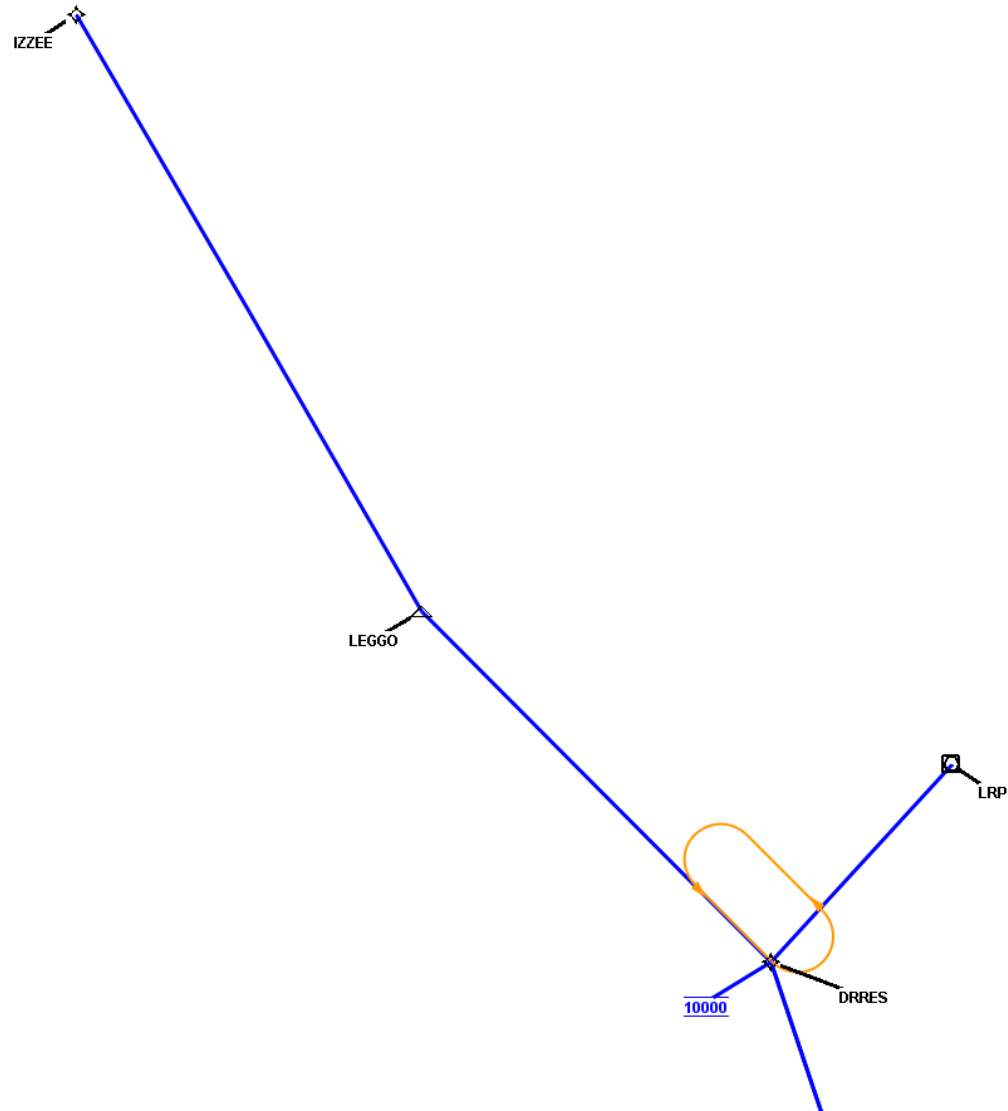
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
TRISH (RNAV)	FOUR	TRISH.TRISH4	THREE	09/15/2016	
Graphic Depiction 1					



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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
TRISH (RNAV)	FOUR	TRISH.TRISH4	THREE	09/15/2016	
Graphic Depiction 2					

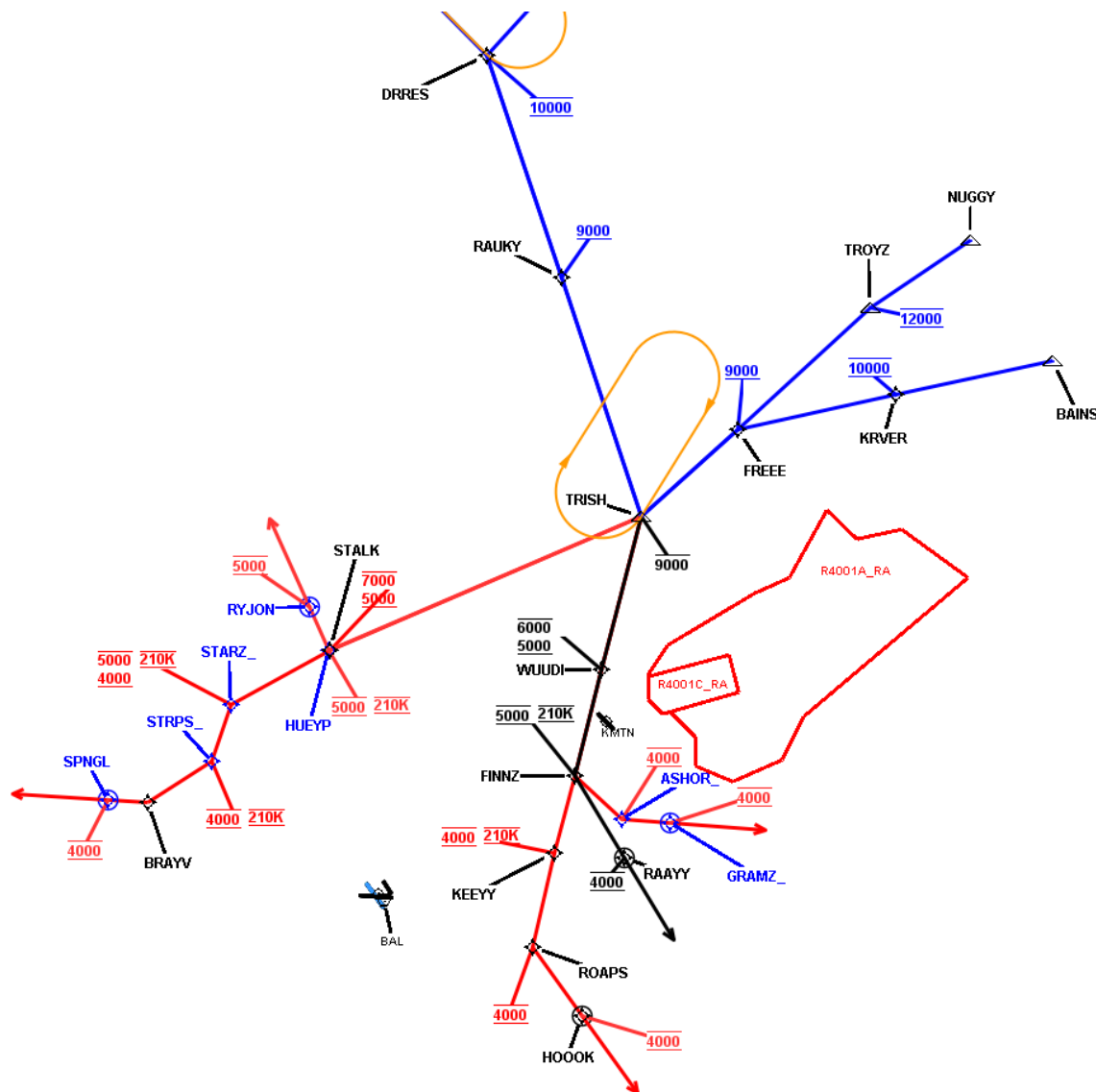


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TRISH (RNAV)	FOUR	TRISH.TRISH4	THREE	09/15/2016	

Graphic Depiction 3



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

Arrival Name TRISH (RNAV)	Number FOUR		STAR Computer Code TRISH.TRISH4		Superseded Number THREE		Dated 09/15/2016		Effective Date
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
En Route Transition									
BAINS	393818.97N / 0755451.72W	Y		IF					BAINS.TRISH4
KRVER	393631.89N / 0760522.77W	Y	FB	TF	257.68	08.32	AT 10000		
FREEE	393442.98N / 0761558.51W	Y	FB	TF	257.57	08.39	AT/ABOVE 9000		
TRISH	393012.43N / 0762225.99W	Y	FB	TF	227.99	06.73	AT/BELOW 9000		
En Route Transition									
IZZEE	405629.44N / 0773144.71W	Y		IF					IZZEE.TRISH4
LEGGO	401716.01N / 0770225.65W	Y	FB	TF	150.18	45.11			
DRRES	395412.64N / 0763247.76W	Y	FB	TF	135.22	32.37	AT 10000		
RAUKY	394237.60N / 0762747.38W	Y	FB	TF	161.54	12.20	AT/ABOVE 9000		
TRISH	393012.43N / 0762225.99W	Y	FB	TF	161.52	13.08	AT/BELOW 9000		
En Route Transition									
LRP VOR/DME	400711.91N / 0761728.66W	Y		IF					LRP.TRISH4
DRRES	395412.64N / 0763247.76W	Y	FB	TF	222.29	17.52	AT 10000		
RAUKY	394237.60N / 0762747.38W	Y	FB	TF	161.54	12.20	AT/ABOVE 9000		
TRISH	393012.43N / 0762225.99W	Y	FB	TF	161.52	13.08	AT/BELOW 9000		
En Route Transition									
NUGGY	394434.56N / 0760022.21W	Y		IF					NUGGY.TRISH4
TROYZ	394102.40N / 0760705.67W	Y	FB	TF	235.79	06.28	AT 12000		
FREEE	393442.98N / 0761558.51W	Y	FB	TF	227.41	09.33	AT/ABOVE 9000		
TRISH	393012.43N / 0762225.99W	Y	FB	TF	227.99	06.73	AT/BELOW 9000		
Common Route									
TRISH	393012.43N / 0762225.99W	Y		IF			AT/BELOW 9000		TRISH.TRISH4
WUUDI	392214.13N / 0762505.74W	Y	FB	TF	194.53	08.23	5000B6000		
FINNZ	391643.30N / 0762655.87W	Y	FB	TF	194.51	05.69	AT 5000	AT 210K	

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Arrival Name TRISH (RNAV)		Number FOUR		STAR Computer Code TRISH.TRISH4		Superseded Number THREE		Dated 09/15/2016	Effective Date
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RAAYY	391225.88N / 0762337.09W	Y	FO	TF	149.00	05.00	AT 4000		
KMTN				FM	149.00				
Runway Transition									
TRISH	393012.43N / 0762225.99W	Y		IF			AT/BELOW 9000		
STALK	392315.23N / 0764322.78W	Y	FB	TF	246.93	17.65	5000B7000		
STARZ	392023.71N / 0764958.65W	Y	FB	TF	240.87	05.86	4000B5000	AT 210K	
STRPS	391728.38N / 0765114.67W	Y	FB	TF	198.62	03.08	AT 4000	AT 210K	
BRAYV	391518.45N / 0765532.35W	Y	FB	TF	237.05	03.98			
SPNGL	391527.03N / 0765813.52W	Y	FO	TF	273.93	02.09	AT 4000		
KBWI:RWY 10				VM	273.93				
Runway Transition									
TRISH	393012.43N / 0762225.99W	Y		IF			AT/BELOW 9000		
HUEYP	392315.48N / 0764324.29W	Y	FB	TF	246.97	17.67	AT 5000	AT 210K	
RYJON	392531.57N / 0764443.81W	Y	FO	TF	335.62	02.49	AT 5000		
KBWI:RWY 15L RWY 15R				FM	335.62				
Runway Transition									
TRISH	393012.43N / 0762225.99W	Y		IF			AT/BELOW 9000		
WUUDI	392214.13N / 0762505.74W	Y	FB	TF	194.53	08.23	5000B6000		
FINNZ	391643.30N / 0762655.87W	Y	FB	TF	194.51	05.69	AT 5000	AT 210K	
ASHOR	391427.03N / 0762343.78W	Y	FB	TF	132.36	03.37	AT 4000		
GRAMZ	391414.65N / 0762031.37W	Y	FO	TF	094.71	02.50	AT 4000		
KBWI:RWY 28				VM	094.10				
Runway Transition									
TRISH	393012.43N / 0762225.99W	Y		IF			AT/BELOW 9000		
WUUDI	392214.13N / 0762505.74W	Y	FB	TF	194.53	08.23	5000B6000		

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Arrival Name TRISH (RNAV)		Number FOUR		STAR Computer Code TRISH.TRISH4			Superseded Number THREE		Dated 09/15/2016	Effective Date
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>	
FINNZ	391643.30N / 0762655.87W	Y	FB	TF	194.51	05.69	AT 5000	AT 210K		
KEEYY	391243.16N / 0762815.62W	Y	FB	TF	194.49	04.13	AT 4000	AT 210K		
ROAPS	390748.10N / 0762943.72W	Y	FB	TF	193.09	05.04	AT 4000			
HOOOK	390415.21N / 0762626.84W	Y	FO	TF	144.21	04.37	AT 4000			
KBWI:RWY 33L RWY 33R				FM	144.21					