

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Arrival Name DUBLN (RNAV)	Number ONE	STAR Computer Code MELZZ.DUBLN1	Superseded Number NONE	Dated	Effective Date 12 AUG 2021				
TRANSITION ROUTES:									
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
BRYEN	BRYEN.DUBLN1	BRYEN	BRYEN						AT/BELOW FL230
			CHDRS	119.10	52.30	10000	3000		
			IKALE	119.79	12.00	4000	2600		
			MELZZ	133.13	13.21	4000	2500		
ESSIE	ESSIE.DUBLN1	ESSIE	ESSIE						AT 10000
			MELZZ	161.23	15.75	4000	2500		
FLAG CITY	FBC.DUBLN1	FBC VORTAC	FBC VORTAC						
			ESSIE	152.87	29.32	9000	2500		AT 10000
			MELZZ	161.23	15.75	4000	2500		
JADUB	JADUB.DUBLN1	JADUB	JADUB						AT/ABOVE FL240
			CYRAH	080.24	77.16	10000	2900		
			IKALE	081.28	12.00	4000	2900		
			MELZZ	133.13	13.21	4000	2500		

ARRIVAL ROUTE DESCRIPTION:

KCMH: FROM MELZZ ON TRACK 148.42/8.47 TO DUBLN.

LANDING KCMH RWY 10L: FROM DUBLN ON TRACK 185.92/2.52 TO CROSS ZELON AT 5000, THEN ON TRACK 189.05/4.31 TO CROSS MADZY AT 5000 AND AT 210 KIAS, THEN ON TRACK 189.05. EXPECT RADAR VECTORS TO ILS OR LOC RWY 10L APPROACH.

LANDING KCMH RWY 10R: FROM DUBLN ON TRACK 188.23/2.51 TO CROSS WESDA AT 5000, THEN ON TRACK 188.68/4.88 TO CROSS HELDI AT 5000 AND AT 210 KIAS, THEN ON TRACK 188.68. EXPECT RADAR VECTORS TO ILS OR LOC RWY 10R APPROACH.

LANDING KCMH RWY 28L: FROM DUBLN ON TRACK 129.66/3.89 TO CROSS TRLGY BETWEEN 8000 AND 9000, THEN ON TRACK 131.44/6.01 TO CROSS POLRS BETWEEN 6000 AND 7000, THEN ON TRACK 133.45/2.12 TO TACES, THEN ON TRACK 100.92/3.15 TO CROSS TEEZE AT 6000 AND AT 210 KIAS, THEN ON TRACK 100.92. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KCMH RWY 28R: FROM DUBLN ON TRACK 129.66/3.89 TO CROSS TRLGY BETWEEN 8000 AND 9000, THEN ON TRACK 131.44/6.01 TO CROSS POLRS BETWEEN 6000 AND 7000, THEN ON TRACK 133.45/2.12 TO TACES, THEN ON TRACK 100.92/3.15 TO CROSS TEEZE AT 6000 AND AT 210 KIAS, THEN ON TRACK 100.92. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KTZR/KLCK: FROM MELZZ ON TRACK 189.81/4.83 TO CROSS MAJGE AT 7000, THEN ON TRACK 189.81. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KOSU: FROM MELZZ ON TRACK 110.73/4.76 TO CROSS VBILT AT 5000, THEN ON TRACK 110.73. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

NOTE: KCMH AIRCRAFT LANDING EAST EXPECT RWY10L

NOTE: KCMH AIRCRAFT LANDING WEST EXPECT RWY28R

PBN REQUIREMENT NOTES:

RNAV 1 – DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.

QUALITY
14
CHECKED

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DUBLN (RNAV)	ONE	MELZZ.DUBLN1	NONE		12 AUG 2021

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT IKALE: HOLD W, RT, 081.28 INBOUND, 15 NM LEGS.

CHART HOLDING AT JADUB: HOLD W, RT, 080.24 INBOUND, 15 NM LEGS.

CHART MERVN AND HOLDING AT MERVN: HOLD W, RT, 110.00 INBOUND, 8 NM LEGS.

COMMUNICATIONS:

CHART: COLUMBUS APPROACH CONTROL

AIRPORTS SERVED:

JOHN GLENN COLUMBUS INTL, COLUMBUS, OH (KCMH)

BOLTON FIELD, COLUMBUS, OH (KTZR)

OHIO STATE UNIVERSITY, COLUMBUS, OH (KOSU)

RICKENBACKER INTL, COLUMBUS, OH (KLCK)

LOST COMMUNICATIONS PROCEDURE:

REMARKS:

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAGNETIC VARIATION = KCMH 07W/2015

CHART AT MADZY TERMINUS: LDG KCMH RWY10L

CHART AT HELDI TERMINUS: LDG KCMH RWY10R

CHART AT TEEZE TERMINUS: LDG KCMH RWY28L AND RWY28R

CHART AT MAJGE TERMINUS: LDG KLCK AND KTZR

CHART AT VBILT TERMINUS: LDG KOSU



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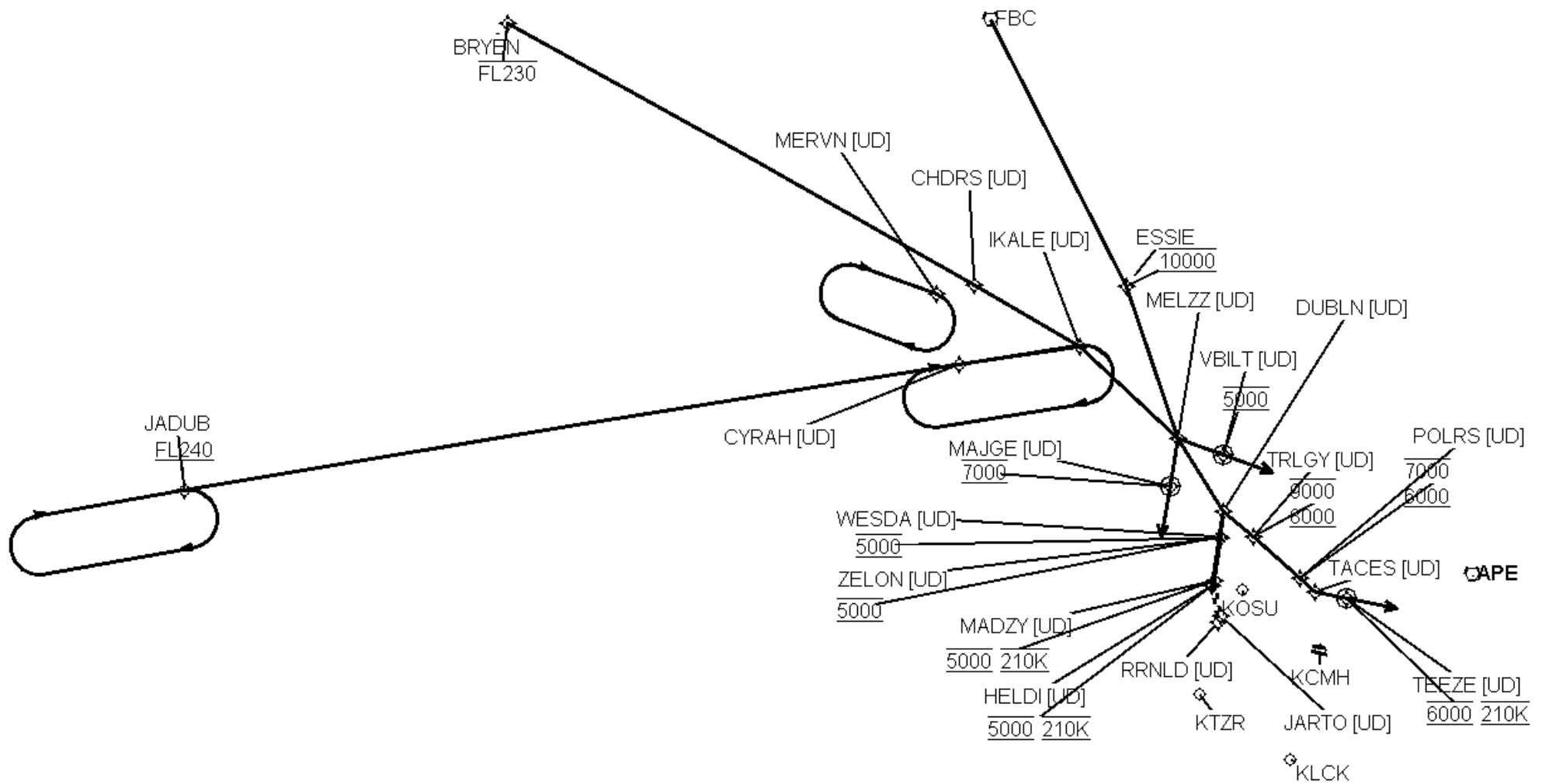
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
DUBLN (RNAV)	ONE	MELZZ.DUBLN1	NONE	<i>Digitally signed by</i> ALLAN WILL	12 AUG 2021
<u>FLIGHT INSPECTED BY:</u>				Jun 09, 2021	
				<i>Signature</i>	
<u>DEVELOPED BY:</u>				<i>Digitally signed by</i> ALLAN WILL	
				Jun 09, 2021	
				<i>Signature</i>	
Name				Date	
Organization				Date	
FICO				05/24/2021	
JEFFREY CHESTER, AIRSPACE AND PROCEDURES MANAGER				03/24/2021	
INDIANAPOLIS ARTCC					
Name				Date	
Organization				Date	
AJV-A420					
MARLON ROBINSON, MANAGER					
Name				Date	
Organization				Date	
				<i>Signature</i>	

CHANGES:REASONS:

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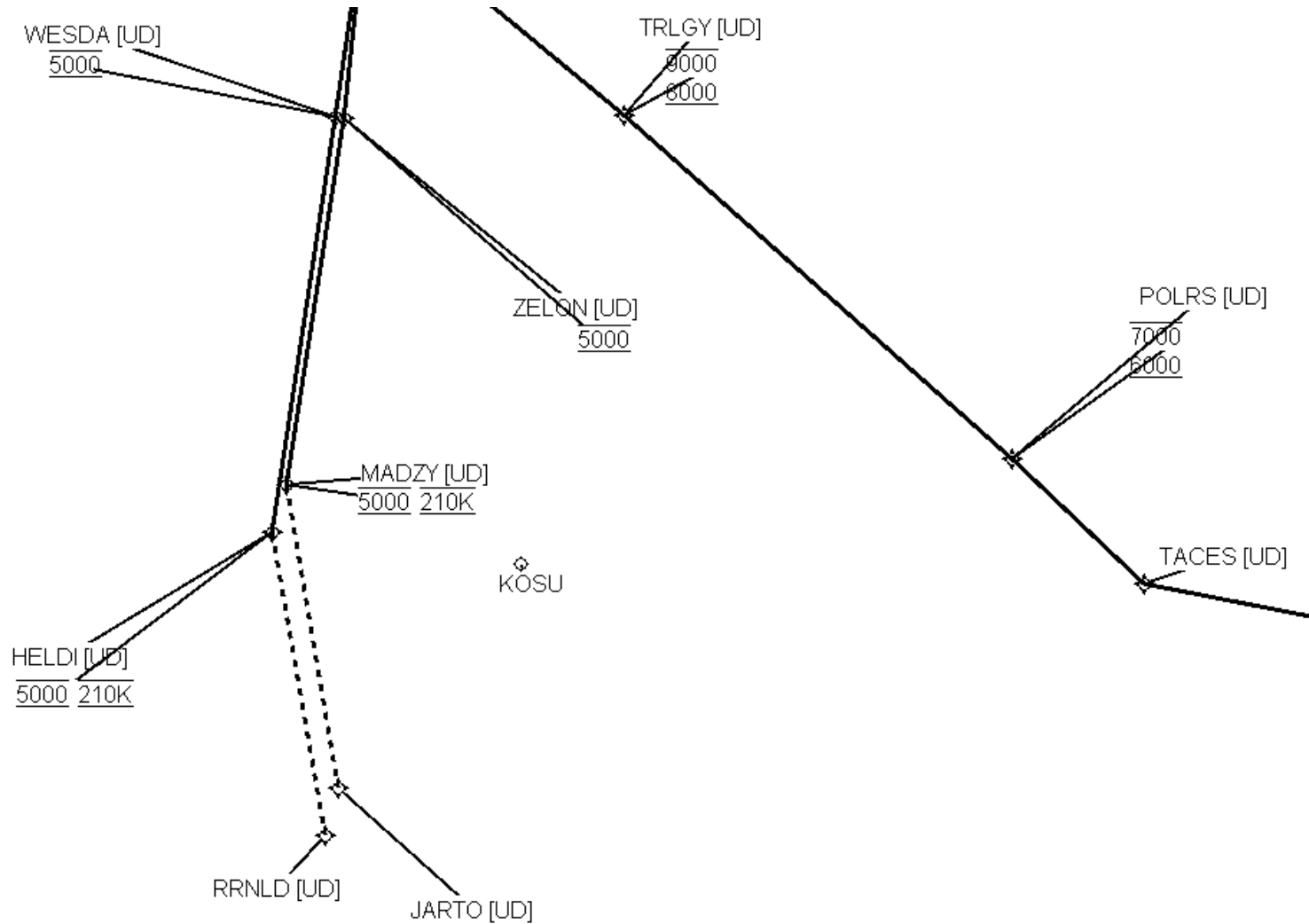
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
DUBLN (RNAV)	ONE	MELZZ.DUBLN1	NONE		12 AUG 2021
Graphic Depiction 1					



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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
DUBLN (RNAV)	ONE	MELZZ.DUBLN1	NONE		12 AUG 2021
Graphic Depiction 2					



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name DUBLN (RNAV)		Number ONE		STAR Computer Code MELZZ.DUBLN1		Superseded Number NONE		Dated	Effective Date 12 AUG 2021
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
BRYEN	405115.73N / 0844648.90W	Y		IF			AT/BELOW FL230		BRYEN.DUBLN1
CHDRS	403116.89N / 0834316.17W	Y	FB	TF	112.10	52.30			
IKALE	402636.92N / 0832846.75W	Y	FB	TF	112.79	12.00			
MELZZ	401848.32N / 0831449.87W	Y	FB	TF	126.13	13.21			
En Route Transition									
ESSIE	403300.00N / 0832346.82W	Y		IF			AT 10000		ESSIE.DUBLN1
MELZZ	401848.32N / 0831449.87W	Y	FB	TF	154.23	15.75			
En Route Transition									
FBC VORTAC	405719.20N / 0834521.69W	Y		IF					FBC.DUBLN1
ESSIE	403300.00N / 0832346.82W	Y	FB	TF	145.87	29.32	AT 10000		
MELZZ	401848.32N / 0831449.87W	Y	FB	TF	154.23	15.75			
En Route Transition									
JADUB	400146.97N / 0852036.46W	Y		IF			AT/ABOVE FL240		JADUB.DUBLN1
CYRAH	402322.71N / 0834354.52W	Y	FB	TF	073.24	77.16			
IKALE	402636.92N / 0832846.75W	Y	FB	TF	074.28	12.00			
MELZZ	401848.32N / 0831449.87W	Y	FB	TF	126.13	13.21			
Common Route									
MELZZ	401848.32N / 0831449.87W	Y		IF					MELZZ.DUBLN1
DUBLN	401210.64N / 0830756.34W	Y	FB	TF	141.42	08.47			
Common Route									
MELZZ	401848.32N / 0831449.87W	Y		IF					MELZZ.DUBLN1
MAJGE	401358.80N / 0831508.40W	Y	FO	TF	182.81	04.83	AT 7000		
KLCK,KTZR				FM	182.81				

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Arrival Name DUBLN (RNAV)		Number ONE		STAR Computer Code MELZZ.DUBLN1		Superseded Number NONE		Dated	Effective Date 12 AUG 2021
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
Common Route									
MELZZ	401848.32N / 0831449.87W	Y		IF					MELZZ.DUBLN1
VBILT	401740.38N / 0830847.49W	Y	FO	TF	103.73	04.76	AT 5000		
KOSU				FM	103.73				
Runway Transition									
DUBLN	401210.64N / 0830756.34W	Y		IF					
ZELON	400939.28N / 0830752.62W	Y	FB	TF	178.92	02.52	AT 5000		
MADZY	400520.86N / 0830804.66W	Y	FO	TF	182.05	04.31	AT 5000	AT 210K	
KCMH:RWY 10L				FM	182.05				
Runway Transition									
DUBLN	401210.64N / 0830756.34W	Y		IF					
WESDA	400939.70N / 0830800.57W	Y	FB	TF	181.23	02.51	AT 5000		
HELDI	400447.03N / 0830811.77W	Y	FO	TF	181.68	04.88	AT 5000	AT 210K	
KCMH:RWY 10R				FM	181.68				
Runway Transition									
DUBLN	401210.64N / 0830756.34W	Y		IF					
TRLGY	401004.60N / 0830340.14W	Y	FB	TF	122.66	03.89	8000B9000		
POLRS	400640.25N / 0825712.35W	Y	FB	TF	124.44	06.01	6000B7000		
TACES	400524.43N / 0825458.76W	Y	FB	TF	126.45	02.12			
TEEZE	400511.42N / 0825053.19W	Y	FO	TF	093.92	03.15	AT 6000	AT 210K	
KCMH:RWY 28L				FM	093.92				
Runway Transition									
DUBLN	401210.64N / 0830756.34W	Y		IF					
TRLGY	401004.60N / 0830340.14W	Y	FB	TF	122.66	03.89	8000B9000		
POLRS	400640.25N / 0825712.35W	Y	FB	TF	124.44	06.01	6000B7000		

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Arrival Name DUBLN (RNAV)		Number ONE		STAR Computer Code MELZZ.DUBLN1		Superseded Number NONE		Dated		Effective Date 12 AUG 2021	
FIX/NAVAID		LAT/LONG		C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
TACES		400524.43N / 0825458.76W		Y	FB	TF	126.45	02.12			
TEEZE		400511.42N / 0825053.19W		Y	FO	TF	093.92	03.15	AT 6000	AT 210K	
KCMH:RWY 28R						FM	093.92				