

US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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 depiction attached.

Arrival Name		Number	STAR Computer Code	Superseded Number	Dated	Effective Date			
WYNDE RNAV		EIGHT	WYNDE.WYNDE8	SEVEN	15 OCT 2015	15 SEP 2016			
TRANSITION ROUTES:									
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
EMMMA	EMMMA.WYNDE8	EMMMA	EMMMA						
			LTOUR	265.08	15.05	6000	2200		
			VIO VOR/DME	264.83	25.83	6000	2300		
			DITCA	259.40	09.99	6000	2500		
			WLTER	259.25	15.23	6000	2100		
			RHIVR	259.02	10.02	6000	2100		
			PAITN	258.88	20.67	6000	2000		
			WYNDE	252.97	18.32	6000	2800		
FLINT	FNT.WYNDE8	FNT VORTAC	FNT VORTAC						
			EMMMA	265.63	37.08	6000	2400		
			LTOUR	265.08	15.05	6000	2200		
			VIO VOR/DME	264.83	25.83	6000	2300		
			DITCA	259.40	09.99	6000	2500		
			WLTER	259.25	15.23	6000	2100		
			RHIVR	259.02	10.02	6000	2100		
			PAITN	258.88	20.67	6000	2000		
			WYNDE	252.97	18.32	6000	2800		
OBSTR	OBSTR.WYNDE8	OBSTR	OBSTR						
			CSTLO	195.89	31.65	6000	3100		
			VIO VOR/DME	195.78	24.23	6000	2400		
			WLTER	259.40	25.22	6000	2500		
			RHIVR	259.02	10.02	6000	2100		
			PAITN	258.88	20.67	6000	2000		
			WYNDE	252.97	18.32	6000	2800		
ODAXY	ODAXY.WYNDE8	ODAXY	ODAXY						
			GAULT	251.33	87.91	9000	3100		
			OBSTR	195.97	23.50	9000	3100		
			CSTLO	195.89	31.65	6000	3100		

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WYNDE RNAV		EIGHT		WYNDE.WYNDE8		SEVEN			15 OCT 2015	15 SEP 2016
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes	
			VIO VOR/DME	195.78	24.23	6000	2400			
			WLTER	259.40	25.22	6000	2500			
			RHIVR	259.02	10.02	6000	2100			
			PAITN	258.88	20.67	6000	2000			
			WYNDE	252.97	18.32	6000	2800			
PULLMAN	PMM.WYNDE8	PMM VOR/DME	PMM VOR/DME							
			PAITN	284.95	28.00	6000	2200			
			WYNDE	252.97	18.32	6000	2800			
SAULT STE MARIE	SSM.WYNDE8	SSM VOR/DME	SSM VOR/DME							
			JODEE	196.53	69.92	9000	2500			
			GAULT	196.26	74.04	9000	3200			
			OBSTR	195.97	23.50	9000	3100			
			CSTLO	195.89	31.65	6000	3100			
			VIO VOR/DME	195.78	24.23	6000	2400			
			WLTER	259.40	25.22	6000	2500			
			RHIVR	259.02	10.02	6000	2100			
			PAITN	258.88	20.67	6000	2000			
			WYNDE	252.97	18.32	6000	2800			
TRAVERSE CITY	TVC.WYNDE8	TVC VOR/DME	TVC VOR/DME							AT/BELOW FL240
			PECOK	193.57	40.29	9000	3600			
			UFDUH	193.44	18.16	9000	2600			AT/BELOW FL240
			BITTR	193.41	35.88	9000	2900			
			WLTER	193.30	26.52	6000	2700			
			PAITN	259.03	30.68	6000	2100			
			WYNDE	252.97	18.32	6000	2800			
UFDUH	UFDUH.WYNDE8	UFDUH	UFDUH							AT/BELOW FL240
			BITTR	193.41	35.88	9000	2900			
			WLTER	193.30	26.52	6000	2700			

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WYNDE RNAV		EIGHT		WYNDE.WYNDE8		SEVEN			15 OCT 2015	15 SEP 2016
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes	
			PAITN	259.03	30.68	6000	2100			
			WYNDE	252.97	18.32	6000	2800			
VICTORY	VIO.WYNDE8	VIO VOR/DME	VIO VOR/DME							
			DITCA	259.40	09.99	6000	2500			
			WLTER	259.25	15.23	6000	2100			
			RHIVR	259.02	10.02	6000	2100			
			PAITN	258.88	20.67	6000	2000			
			WYNDE	252.97	18.32	6000	2800			

ARRIVAL ROUTE DESCRIPTION:

FROM WYNDE ON TRACK 252.72/10.00 TO FIYER (MEA 6000/MOCA 2800), THEN ON TRACK 252.57/10.11 TO ERNNY (MEA 6000/MOCA 2800), THEN ON TRACK 221.28/5.25 TO PAPPI (MEA 5000/MOCA 2800), THEN ON TRACK 221.03/6.78 TO TUBEZ (MEA 5000/MOCA 2800).

LANDING RWY 09R/L, 10L/C, 22R/L, 04R/L, 27R/L, 15, 28L/C/R: FROM TUBEZ ON TRACK 220.97/6.78 TO VULCN (MEA 4000/MOCA 2000), THEN ON TRACK 273.10/10.41 TO KURKK (MEA 4000/MOCA 2100), THEN ON TRACK 272.82/11.09 TO BAMBB (MEA 4000/MOCA 2200), THEN ON TRACK 272.82. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 10R: FROM TUBEZ ON TRACK 197.28/18.35 TO MONKZ (MEA 4000/MOCA 2200), THEN ON TRACK 273.13/8.37 TO JORJO (MEA 4000/MOCA 2200), THEN ON TRACK 270.47/12.86 TO POSSM (MEA 4000/MOCA 2200), THEN ON TRACK 270.47. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED.

NOTE: RNAV 1.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: ORD LANDING WEST: EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER PAPPI.

NOTE: VERTICAL NAVIGATION PLANNING INFORMATION: EXPECT TO CROSS EMMMA AT FL320, EXPECT TO CROSS OBSTR AT FL320, EXPECT TO CROSS RHIVR AT FL200.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT EMMMA: HOLD E, RT, 265.63 INBOUND, 12 NM LEGS. CHART HOLDING AT JODEE: HOLD N, RT, 196.53 INBOUND, 12 NM LEGS. CHART HOLDING AT GAULT: HOLD N, RT, 196.26 INBOUND, 12 NM LEGS. CHART HOLDING AT CSTLO: HOLD N, RT, 195.89 INBOUND, 12 NM LEGS. CHART HOLDING AT WLTER: HOLD E, LT, 259.40 INBOUND, 10 NM LEGS. CHART HOLDING AT PECOK: HOLD N, RT, 193.57 INBOUND, 10 NM LEGS. CHART HOLDING AT BITTR: HOLD N, RT, 193.41 INBOUND, 10 NM LEGS. CHART HOLDING AT WYNDE: HOLD E, RT, 252.97 INBOUND, 9 NM LEGS. CHART HOLDING AT PAITN: HOLD E, RT, 258.88 INBOUND. 9 NM LEGS. CHART LOMEZ AS A STAND ALONE WAYPOINT.

COMMUNICATIONS:

ORD ATIS, CHICAGO APP CON.

AIRPORTS SERVED:

CHICAGO O'HARE INTL, CHICAGO, IL

LOST COMMUNICATIONS PROCEDURE:

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
WYNDE RNAV	EIGHT	WYNDE.WYNDE8	SEVEN	15 OCT 2015	15 SEP 2016

REMARKS:ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0).

REFERENCE MAGNETIC VARIATION = KORD 03W/2010

CHANGES:

1. CHANGED RWY 14R TO RWY 15
2. REMOVED ASP TRANSITION
3. ADDED ODAXY TRANSITION
4. ADDED OBSTR TRANSITION
5. ADDED UFDUH TRANSITION
6. ADDED AT OR BELOW FL240 RESTRICTION AT UFDUH
7. INCREASED MOCA AT WYNDE, FIYER, ERNNY, PAPPI, AND TUBEZ FROM 1800 TO 2800.
8. INCREASED MOCA OBSTR-CSTLO FROM 2500 TO 3100.

REASONS:

1. RUNWAY BEING RENUMBERED
- 2-6. ATC REQUEST
7. TO MATCH MOCAs OVER LAKE MICHIGAN USED ON OTHER ORD STARS.
8. ADDITION OF OBSTR ENROUTE TRANSITION CREATED A LARGER OBSTACLE CLEARANCE AREA AT THE BEGINNING OF THE ROUTE.

3/17/2016: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/23/2015.

1. REMOVED VERTICAL NAVIGATION PLANNING NOTE AT WYNDE.

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STAR (DATA RECORD)

Arrival Name WYNDE RNAV	Number EIGHT	STAR Computer Code WYNDE.WYNDE8	Superseded Number SEVEN	Dated 15 OCT 2015	Effective Date 15 SEP 2016
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
EMMMA	425303.96N / 0843450.40W	Y		IF					EMMMA.WYNDE8
LTOUR	425057.69N / 0845505.90W	Y	FB	TF	262.08	15.05			
VIO VOR/DME	424712.18N / 0852949.45W	Y	FB	TF	261.83	25.83			
DITCA	424450.45N / 0854300.14W	Y	FB	TF	256.40	09.99			
WLTER	424111.39N / 0860303.94W	Y	FB	TF	256.25	15.23			
RHIVR	423845.44N / 0861614.15W	Y	FB	TF	256.02	10.02			
PAITN	423339.71N / 0864321.38W	Y	FB	TF	255.88	20.67			
WYNDE	422720.73N / 0870636.63W	Y	FB	TF	249.97	18.32			
En Route Transition									
FNT VORTAC	425800.38N / 0834449.08W	Y		IF					FNT.WYNDE8
EMMMA	425303.96N / 0843450.40W	Y	FB	TF	262.63	37.08			
LTOUR	425057.69N / 0845505.90W	Y	FB	TF	262.08	15.05			
VIO VOR/DME	424712.18N / 0852949.45W	Y	FB	TF	261.83	25.83			
DITCA	424450.45N / 0854300.14W	Y	FB	TF	256.40	09.99			
WLTER	424111.39N / 0860303.94W	Y	FB	TF	256.25	15.23			
RHIVR	423845.44N / 0861614.15W	Y	FB	TF	256.02	10.02			
PAITN	423339.71N / 0864321.38W	Y	FB	TF	255.88	20.67			
WYNDE	422720.73N / 0870636.63W	Y	FB	TF	249.97	18.32			
En Route Transition									
OBSTR	434142.20N / 0851253.53W	Y		IF					OBSTR.WYNDE8
CSTLO	431050.36N / 0852232.67W	Y	FB	TF	192.89	31.65			
VIO VOR/DME	424712.18N / 0852949.45W	Y	FB	TF	192.78	24.23			
WLTER	424111.39N / 0860303.94W	Y	FB	TF	256.40	25.22			
RHIVR	423845.44N / 0861614.15W	Y	FB	TF	256.02	10.02			
PAITN	423339.71N / 0864321.38W	Y	FB	TF	255.88	20.67			
WYNDE	422720.73N / 0870636.63W	Y	FB	TF	249.97	18.32			

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STAR (DATA RECORD)

Arrival Name WYNDE RNAV	Number EIGHT	STAR Computer Code WYNDE.WYNDE8	Superseded Number SEVEN	Dated 15 OCT 2015	Effective Date 15 SEP 2016				
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
ODAXY	443800.86N / 0831216.23W	Y		IF					ODAXY.WYNDE8
GAULT	440436.79N / 0850537.13W	Y	FB	TF	248.33	87.91			
OBSTR	434142.20N / 0851253.53W	Y	FB	TF	192.97	23.50			
CSTLO	431050.36N / 0852232.67W	Y	FB	TF	192.89	31.65			
VIO VOR/DME	424712.18N / 0852949.45W	Y	FB	TF	192.78	24.23			
WLTER	424111.39N / 0860303.94W	Y	FB	TF	256.40	25.22			
RHIVR	423845.44N / 0861614.15W	Y	FB	TF	256.02	10.02			
PAITN	423339.71N / 0864321.38W	Y	FB	TF	255.88	20.67			
WYNDE	422720.73N / 0870636.63W	Y	FB	TF	249.97	18.32			
En Route Transition									
PMM VOR/DME	422757.73N / 0860617.32W	Y		IF					PMM.WYNDE8
PAITN	423339.71N / 0864321.38W	Y	FB	TF	281.95	28.00			
WYNDE	422720.73N / 0870636.63W	Y	FB	TF	249.97	18.32			
En Route Transition									
SSM VOR/DME	462443.60N / 0841853.54W	Y		IF					SSM.WYNDE8
JODEE	451643.30N / 0844203.77W	Y	FB	TF	193.53	69.92			
GAULT	440436.79N / 0850537.13W	Y	FB	TF	193.26	74.04			
OBSTR	434142.20N / 0851253.53W	Y	FB	TF	192.97	23.50			
CSTLO	431050.36N / 0852232.67W	Y	FB	TF	192.89	31.65			
VIO VOR/DME	424712.18N / 0852949.45W	Y	FB	TF	192.78	24.23			
WLTER	424111.39N / 0860303.94W	Y	FB	TF	256.40	25.22			
RHIVR	423845.44N / 0861614.15W	Y	FB	TF	256.02	10.02			
PAITN	423339.71N / 0864321.38W	Y	FB	TF	255.88	20.67			
WYNDE	422720.73N / 0870636.63W	Y	FB	TF	249.97	18.32			
En Route Transition									
TVC VOR/DME	444004.49N / 0853300.06W	Y		IF			AT/BELOW FL240		TVC.WYNDE8

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STAR (DATA RECORD)

Arrival Name WYNDE RNAV	Number EIGHT	STAR Computer Code WYNDE.WYNDE8	Superseded Number SEVEN	Dated 15 OCT 2015	Effective Date 15 SEP 2016
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
PECOK	440027.67N / 0854314.71W	Y	FB	TF	190.57	40.29			
UFDUH	434235.91N / 0854746.97W	Y	FB	TF	190.44	18.16	AT/BELOW FL240		
BITTR	430717.68N / 0855638.18W	Y	FB	TF	190.41	35.88			
WLTER	424111.39N / 0860303.94W	Y	FB	TF	190.30	26.52			
PAITN	423339.71N / 0864321.38W	Y	FB	TF	256.03	30.68			
WYNDE	422720.73N / 0870636.63W	Y	FB	TF	249.97	18.32			

En Route Transition

UFDUH	434235.91N / 0854746.97W	Y		IF			AT/BELOW FL240		UFDUH.WYNDE8
BITTR	430717.68N / 0855638.18W	Y	FB	TF	190.41	35.88			
WLTER	424111.39N / 0860303.94W	Y	FB	TF	190.30	26.52			
PAITN	423339.71N / 0864321.38W	Y	FB	TF	256.03	30.68			
WYNDE	422720.73N / 0870636.63W	Y	FB	TF	249.97	18.32			

En Route Transition

VIO VOR/DME	424712.18N / 0852949.45W	Y		IF					VIO.WYNDE8
DITCA	424450.45N / 0854300.14W	Y	FB	TF	256.40	09.99			
WLTER	424111.39N / 0860303.94W	Y	FB	TF	256.25	15.23			
RHIVR	423845.44N / 0861614.15W	Y	FB	TF	256.02	10.02			
PAITN	423339.71N / 0864321.38W	Y	FB	TF	255.88	20.67			
WYNDE	422720.73N / 0870636.63W	Y	FB	TF	249.97	18.32			

Common Route

WYNDE	422720.73N / 0870636.63W	Y		IF					WYNDE.WYNDE8
FIYER	422351.97N / 0871916.21W	Y	FB	TF	249.72	10.00			
ERNNY	422019.39N / 0873203.06W	Y	FB	TF	249.57	10.11			
PAPPI	421611.90N / 0873625.93W	Y	FB	TF	218.28	05.25			
TUBEZ	421051.31N / 0874202.89W	Y	FB	TF	218.03	06.78			

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WYNDE RNAV	EIGHT	WYNDE.WYNDE8	SEVEN	15 OCT 2015	15 SEP 2016

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
Runway Transition									
TUBEZ	421051.31N / 0874202.89W	Y		IF					
VULCN	420530.34N / 0874739.02W	Y	FB	TF	217.97	06.78			
KURKK	420530.61N / 0880137.92W	Y	FB	TF	270.10	10.41			
BAMBB	420527.50N / 0881631.34W	Y	FO	TF	269.82	11.09			
KORD:RWYS 4L/R, 9L/R,				FM	269.82				RECOMMENDED NAVAID: MZZ VOR/DME
10L/C, 15, 22L/R, 27L/R, 28L/C/R									
Runway Transition									
TUBEZ	421051.31N / 0874202.89W	Y		IF					
MONKZ	415303.59N / 0874806.47W	Y	FB	TF	194.28	18.35			
JORJO	415304.14N / 0875918.78W	Y	FB	TF	270.13	08.37			
POSSM	415228.78N / 0881630.63W	Y	FO	TF	267.47	12.86			
KORD:RWY 10R				FM	267.47				RECOMMENDED NAVAID: MZZ VOR/DME

