

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Arrival Name WYNDE (RNAV)	Number NINE	STAR Computer Code WYNDE.WYNDE9	Superseded Number EIGHT	Dated 09/15/2016	Effective Date 3 JAN 2019				
TRANSITION ROUTES:									
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
EMMMA	EMMMA.WYNDE9	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.WYNDE9	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.WYNDE9	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.WYNDE9	ODAXY	ODAXY						
			GAULT	251.33	87.91	9000	3100		
			OBSTR	195.97	23.50	9000	3100		

QUALITY

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Arrival Name WYNDE (RNAV)			Number NINE	STAR Computer Code WYNDE.WYNDE9	Superseded Number EIGHT			Dated 209/15/2016	Effective Date 3 JAN 2019
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
			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		
PULLMAN	PMM.WYNDE9	PMM VOR/DME	PMM VOR/DME						
			PAITN	284.95	28.00	6000	2200		
			WYNDE	252.97	18.32	6000	2800		
SAULT STE MARIE	SSM.WYNDE9	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.WYNDE9	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.WYNDE9	UFDUH	UFDUH						AT/BELOW FL240

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Arrival Name		Number		STAR Computer Code		Superseded Number			Dated	Effective Date
WYNDE (RNAV)		NINE		WYNDE.WYNDE9		EIGHT			09/15/2016	3 JAN 2019
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes	
			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			
VICTORY	VIO.WYNDE9	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, 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: E, RT, 265.63 INBOUND, 12 NM LEGS. CHART HOLDING AT JODEE: N, RT, 196.53 INBOUND, 12 NM LEGS. CHART HOLDING AT GAULT: N, RT, 196.26 INBOUND, 12 NM LEGS. CHART HOLDING AT CSTLO: N, RT, 195.89 INBOUND, 12 NM LEGS. CHART HOLDING AT WLTER: E, LT, 259.40 INBOUND, 10 NM LEGS. CHART HOLDING AT PECOK: N, RT, 193.57 INBOUND, 10 NM LEGS. CHART HOLDING AT BITTR: N, RT, 193.41 INBOUND, 10 NM LEGS. CHART HOLDING AT WYNDE: E, RT, 252.97 INBOUND, 9 NM LEGS. CHART HOLDING AT PAITN: 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 (KORD)

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
WYNDE (RNAV)	NINE	WYNDE.WYNDE9	EIGHT	09/15/2016	3 JAN 2019

LOST COMMUNICATIONS PROCEDURE:REMARKS:

ABBREVIATED AMENDMENT, AMENDMENT DOES NOT SATISFY PERIODIC REVIEW REQUIREMENTS.

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAGNETIC VARIATION = KORD 03W/2010

FLIGHT INSPECTED BY:

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017

Name

Organization

Date

Digitally signed by

CASIMIR L TABAKA

Sep 13, 2018

Digitally signed by

Signature

DEVELOPED BY:JOSEPH BOCIK, AIRSPACE AND PROCEDURES
MANAGER

CHICAGO ARTCC

Name

Organization

Date

Sep 12, 2018

CASIMIR L TABAKA

Digitally signed by

Signature

APPROVED BY:

MARLON ROBINSON, MANAGER

AJV5440

Name

Organization

Date

CASIMIR L TABAKA

Sep 12, 2018

Digitally signed by

Signature

CHANGES:

REMOVED RWY 15 FROM ARRIVAL ROUTE DESCRIPTION

REASONS:

RWY 15/33 DECOMMISSIONED



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STAR (DATA RECORD)

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
WYNDE (RNAV)	NINE	WYNDE.WYNDE9	EIGHT	09/15/2016	3 JAN 2019

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.WYNDE9
LTOUR	425057.69N / 0845505.90W	Y	FB	TF	262.08	15.05			
VIO VOR/DME	424712.18N / 0852949.46W	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.WYNDE9
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 / 0852949.46W	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.WYNDE9
CSTLO	431050.36N / 0852232.67W	Y	FB	TF	192.89	31.65			
VIO VOR/DME	424712.18N / 0852949.46W	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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FEDERAL AVIATION ADMINISTRATION
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STAR (DATA RECORD)

Arrival Name WYNDE (RNAV)	Number NINE	STAR Computer Code WYNDE.WYNDE9	Superseded Number EIGHT	Dated 09/15/2016	Effective Date 3 JAN 2019
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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.WYNDE9
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 / 0852949.46W	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.WYNDE9
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.WYNDE9
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 / 0852949.46W	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	444004.50N / 0853300.04W	Y		IF			AT/BELOW FL240		TVC.WYNDE9

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
WYNDE (RNAV)	NINE	WYNDE.WYNDE9	EIGHT	09/15/2016	3 JAN 2019

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.WYNDE9
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 / 0852949.46W	Y		IF					VIO.WYNDE9
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.WYNDE9
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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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
WYNDE (RNAV)	NINE	WYNDE.WYNDE9	EIGHT	09/15/2016	3 JAN 2019

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:RWY 4L/R, 9L/R, 10L/C, 22L/R, 27L/R, 28L/C/R				FM	269.82				RECOMMENDED NAVAID: CRL VOR/DME
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: CRL VOR/DME

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