

US Department of Transportation  
Federal Aviation Administration

## STAR - Standard Terminal Arrival

1. Bearings, headings, courses and radials are listed to the nearest hundredth (e.g. 360.00)
2. Distances are in nautical miles to nearest hundredth (e.g. 00.00)
3. Altitudes are minimum altitudes unless otherwise indicated

### (1) Transition Routes

(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP / FIX / NAVAID	(d) To RNAV WP / FIX / NAVAID	(e) Mag Course / Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
AU SABLE	ASP.WYNDE5	ASP VOR/DME	ASP VOR/DME GAULT OBSTR CSTLO GRR VOR/DME WLTER RHIVR PAITN WYNDE	256.84/76.60 195.97/23.50 195.89/31.65 195.78/24.23 259.40/25.22 259.02/10.02 258.88/20.67 252.97/18.32	9000 9000 6000 6000 6000 6000 6000 6000			
EMMMA	EMMMA.WYNDE5	EMMMA	EMMMA LTOUR GRR VOR/DME DITCA WLTER	265.08/15.05 264.83/25.83 259.40/09.99 259.25/15.23	6000 6000 6000 6000			

**(2) Arrival Route Description:** FROM WYNDE ON TRACK 252.72/10.00 TO FIYER (MEA 6000), THEN ON TRACK 252.57/10.11 TO ERNNY (MEA 6000), THEN ON TRACK 221.28/5.25 TO PAPPI (MEA 5000), THEN ON TRACK 221.03/6.78 TO TUBEZ (MEA 5000).

LANDING RWYS 4L/R, 9L/R, 14L/R, 22L/R, 27L/R, 28C/R, 32R: FROM TUBEZ ON TRACK 220.97/6.78 TO VULCN (MEA 4000), THEN ON TRACK 273.10/10.41 TO KURKK (MEA 4000), THEN ON TRACK 272.82/11.09 TO BAMBB (MEA 4000), EXPECT RADAR VECTORS TO FINAL APPROACH COURSE. IF NOT RECEIVED BY BAMBB, ON TRACK 272.82.

LANDING RWYS 10L, 10C: FROM TUBEZ ON TRACK 197.28/18.35 TO MONKZ (MEA 4000), THEN ON TRACK 273.13/8.37 TO JORJO (MEA 4000), THEN ON TRACK 272.97/12.86 TO POSSM (MEA 4000), EXPECT RADAR VECTORS TO FINAL APPROACH COURSE. IF NOT RECEIVED BY POSSM, ON TRACK 272.97.

### (3) Procedural Data Notes:

NOTE: RADAR REQUIRED.

NOTE: RNAV 1.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: VERTICAL NAVIGATION PLANNING INFORMATION: EXPECT TO CROSS OBSTR AT FL320. EXPECT TO CROSS EMMMA AT FL320. EXPECT TO CROSS RHIVR AT FL200. EXPECT TO CROSS WYNDE AT 10000. EXPECT TO CROSS KURKK AT 7000. EXPECT TO CROSS BAMBB AT 4000.

NOTE: TVC TRANSITION RESTRICTED TO ARRIVALS AT OR BELOW FL240.

Continued on block 16...

**(4) 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. (CONTINUED)

**(5) Communications:** ORD ATIS, CHICAGO APP CON.

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
WYNDE RNAV	FIVE	WYNDE.WYNDE5	FOUR	13 JAN 2011	17 OCT 2013

QUALITY  
3  
CHECKED

**(12) Airports Served**

<b>Airport Name</b> CHICAGO O'HARE INTERNATIONAL AIRPORT	<b>City/State</b> CHICAGO, IL
<b>Airport Name</b>	<b>City/State</b>
<b>Airport Name</b>	<b>City/State</b>
<b>Airport Name</b>	<b>City/State</b>
<b>Airport Name</b>	<b>City/State</b>
<b>Airport Name</b>	<b>City/State</b>

**(13) Lost Communications Procedure:** STANDARD.**(14) Remarks:** DO NOT CHART MOCAs, PER ATC REQUEST.**(15) Additional Flight Data:**

DME/DME ASSESSMENT: SAT (RNP 2.0).

REFERENCE MAGNETIC VARIATION = KORD 03W/2010

QUALITY  
3  
CHECKED

<b>(6) Arrival Name</b> WYNDE RNAV	<b>(7) Number</b> FIVE	<b>(8) STAR Computer Code</b> WYNDE.WYNDE5	<b>(9) Superseded Nr.</b> FOUR	<b>(10) Dated</b> 13 JAN 2011	<b>(11) Effective Date</b> 17 OCT 2013
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**(16) Continuation:****(1) Transition Routes**

(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP / FIX / NAVAID	(d) To RNAV WP / FIX / NAVAID	(e) Mag Course / Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
FLINT	FNT.WYNDE5	FNT VORTAC	RHIVR	259.02/10.02	6000			
			PAITN	258.88/20.67	6000			
			WYNDE	252.97/18.32	6000			
			FNT VORTAC					
			EMMMA	265.63/37.08	6000			
			LTOUR	265.08/15.05	6000			
			GRR VOR/DME	264.83/25.83	6000			
			DITCA	259.40/09.99	6000			
			WLTER	259.25/15.23	6000			
			RHIVR	259.02/10.02	6000			

Continued on (16) Continuation: 2 of...

<b>(6) Arrival Name</b> WYNDE RNAV	<b>(7) Number</b> FIVE	<b>(8) STAR Computer Code</b> WYNDE.WYNDE5	<b>(9) Superseded Nr.</b> FOUR	<b>(10) Dated</b> 13 JAN 2011	<b>(11) Effective Date</b> 17 OCT 2013
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**(16) Continuation (2 of 2):****(1) Transition Routes**

(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP / FIX / NAVAID	(d) To RNAV WP / FIX / NAVAID	(e) Mag Course / Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
GRAND RAPIDS	GRR.WYNDE5	GRR VOR/DME	PAITN	258.88/20.67	6000			
			WYNDE	252.97/18.32	6000			
			DITCA	259.40/09.99	6000			
			WLTER	259.25/15.23	6000			
			RHIVR	259.02/10.02	6000			
PULLMAN	PMM.WYNDE5	PMM VOR/DME	PAITN	258.88/20.67	6000			
			WYNDE	252.97/18.32	6000			
			PAITN	284.95/28.00	6000			
			WYNDE	252.97/18.32	6000			
			SSM VOR/DME					
SAULT STE MARIE	SSM.WYNDE5	SSM VOR/DME	JODEE	196.53/69.92	9000			
			GAULT	196.26/74.04	9000			
			OBSTR	195.97/23.50	9000			
			CSTLO	195.89/31.65	6000			
			GRR VOR/DME	195.78/24.23	6000			
TRAVERSE CITY	TVC.WYNDE5	TVC VORTAC	WLTER	259.40/25.22	6000			
			RHIVR	259.02/10.02	6000			
			PAITN	258.88/20.67	6000			
			WYNDE	252.97/18.32	6000			
			PECOK	193.57/40.29	9000			
			UFDUH	193.44/18.16	9000			
			BITTR	193.41/35.88	9000			
			WLTER	193.30/26.52	6000			
			PAITN	259.03/30.68	6000			
			WYNDE	252.97/18.32	6000			

**(4) FIXES AND/OR HOLDING PATTERNS:**

CHART HOLDING AT BITTR, HOLD N, RT, 193.41 INBOUND, 10 NM LEGS. CHART HOLDING AT PAITN, HOLD E, RT, 258.88 INBOUND, 9 NM LEGS. CHART HOLDING AT WYNDE, HOLD E, RT, 252.97 INBOUND, 9 NM LEGS. CHART LOMEZ AS STAND ALONE WAYPOINT.

Continued on (16) Continuation (2 of #)

**(3) Procedural Data Notes:**

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

(6) Arrival Name WYNDE RNAV	(7) Number FIVE	(8) STAR Computer Code WYNDE.WYNDE5	(9) Superseded Nr. FOUR	(10) Dated 13 JAN 2011	(11) Effective Date 17 OCT 2013
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