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Effective Date

CTAD Commuter Code

Arrival Name PANGG (RNAV)			Number SEVEN	STAR Computer Code PANGG.PANGG7		Supers	eded Num SIX	nber	Dated 08/10/2023	Effective Date
RANSITION ROUTE	S:		<u> </u>	17410011741001					00/10/2020	
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Al	itudes / Fixes
ASHEN	ASHEN.PANGG7	ASHEN	ASHEN							
			FNLYY	277.11	38.65	6000	2400		AT F	FL240
			BAGEL	276.55	05.00	6000	2400			
			PANGG	275.65	20.68	6000	2400			
BAGEL	BAGEL.PANGG7	BAGEL	BAGEL							
			PANGG	275.65	20.68	6000	2400			
FORT WAYNE	FWA.PANGG7	FWA VORTAC	FWA VORTAC							
			MAKKI	333.25	32.52	9000	2700		AT I	FL240
			BAGEL	333.00	05.00	6000	2400			
			PANGG	275.65	20.68	6000	2400			
LLTCH	LLTCH.PANGG7	LLTCH	LLTCH							
			BRTTN	233.57	45.23	6000	2500		AT I	FL240
			BAGEL	233.06	05.00	6000	2400			
			PANGG	275.65	20.68	6000	2400			

ARRIVAL ROUTE DESCRIPTION:

A multi call A la ma

FROM PANGG ON TRACK 273.73/14.58 TO CROSS MEGGZ AT 11000, THEN ON TRACK 273.52/8.00 TO CROSS AWSUM AT 10000, THEN ON TRACK 273.41/14.97 TO IROCK, THEN ON TRACK 273.18/11.44 TO CROSS HALIE AT 6000.

LANDING RWY 4R: FROM HALIE ON TRACK 278.27/20.13 TO CROSS OLCYK AT OR ABOVE 4000, THEN ON TRACK 278.27. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 13L: FROM HALIE ON TRACK 278.55/31.20 TO CROSS TINLY AT OR ABOVE 4000, THEN ON TRACK 278.55. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 22L: FROM HALIE ON TRACK 343.45/11.90 TO CROSS GERMN AT OR ABOVE 4000, THEN ON TRACK 343.39/3.41 TO LNANE, THEN ON TRACK 339.10/6.29 TO BOCAH, THEN ON TRACK 274.04/4.50 TO CROSS TACTT AT 3000. EXPECT RNAV RWY 22L APPROACH OR RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 31R: FROM HALIE ON TRACK 295.43/10.76 TO CROSS ELLJO AT 6000, THEN ON TRACK 295.31/7.00 TO CROSS HILLS AT 5000 AND AT 240 KIAS. EXPECT ILS OR RNAV RWY 31R APPROACH OR RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING 05C/IGQ/3HO/GYY:FROM PANGG ON TRACK 273.73/14.58 TO CROSS MEGGZ AT 11000, THEN ON TRACK 273.52/8.00 TO CROSS AWSUM AT 10000, THEN ON TRACK 273.41/14.97 TO IROCK, THEN ON TRACK 273.18/11.44 TO CROSS HALIE AT 6000, THEN ON TRACK 267.00/3.00 TO CROSS JOSSH AT 6000, THEN ON TRACK 267.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

PROCEDURAL DATA NOTES:

NOTE: LANDING RWY 31R: FOR NON-RNP AIRCRAFT, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
PANGG (RNAV)	SEVEN	PANGG.PANGG7	SIX	08/10/2023	

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT BAGEL: HOLD E, LT, 275.65 INBOUND, 8 NM LEGS. CHART HOLDING AT HALIE: HOLD E, LT, 273.18 INBOUND, 8 NM LEGS. CHART HOLDING AT IROCK: HOLD E, RT, 273.41 INBOUND, 10 NM LEGS. CHART HOLDING AT PANGG: HOLD E, LT, 275.65 INBOUND, 10 NM LEGS. CHART HOLDING AT STASH: HOLD E, RT, 270.00 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
MDW	CHICAGO	IL
05C	GRIFFITH	IN
IGQ	CHICAGO	IL
3НО	HOBART	IN
GYY	GARY	IN

LOST COMMUNICATIONS PREFERENCES:

RWY 22L: IF APPROACH CLEARANCE NOT RECEIVED BY TACTT, PROCEED INBOUND ON RNAV (GPS) OR RNAV (RNP) RWY 22L ROUTING.

REMARKS:

23 DEGREE BANK ANGLE USED AT BAGEL.

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

MAG VAR: MDW 04W/2015

CHART AT TINLY TERMINUS: MDW LDG RWY 13L
CHART AT HILLS TERMINUS: MDW LDG RWY 31R
CHART AT OLCYK TERMINUS: MDW LDG RWY 4R
CHART AT TACTT TERMINUS: MDW LDG RWY 22L
CHART AT JOSSH TERMINUS: LDG 05C, IGQ, 3HO, GYY

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Arrival Name	Number	STAR Comput	ter Code	Superseded Numb	per Dated	Effective Date
PANGG (RNAV)	SEVEN	PANGG.PAN	NGG7	SIX	08/10/202	3
FLIGHT INSPECTED BY:	ORGANIZATION:	DATE:	Flight Inspected S	ignature:		
DEVELOPED BY: JOSEPH BOCIK, AIRSPACE/PROCEDURES MANAGER	CHICAGO ARTCC	3/1/2025	Developed By Sig	nature:		
APPROVED BY: ROBERT HAMILTON	AJV-A433		Approved By Sign	ature:		

CHANGES:

- 1. ADDED ASHEN ENROUTE TRANSITION.
- 2. ADDED WAYPOINTS BRTTN BETWEEN LLTCH AND BAGEL, FNLYY BETWEEN ASHEN AND BAGEL, AND MAKKI BETWEEN FWA AND BAGEL WITH FL240 ALTITUDE RESTRICTIONS.
- 3. ADDED 05C, IGQ, 3HO, AND GYY AIRPORTS.
- 4. ADDED NEW COMMON ROUTE FOR SATELLITE AIRPORTS.
- 5. ADDED NEW TERMINUS FIX JOSSH FOR SATELLITE AIRPORTS WITH A CROSSING RESTRICTION OF 6000.
- 6. ADDED 11000 ALTITUDE RESTRICTION AT MEGGZ.
- 7. ADDED HOLDING AT BAGEL.
- 8. FWA TRANSITION: MOCA AT BAGEL CHANGED FROM 2700 TO 2400; LLTCH TRANSITION: MOCA AT BAGEL CHANGED FROM 2500 TO 2400.
- 9. ADDED REMARK 23 DEGREE BANK ANGLE USED AT BAGEL.
- 10. ALL ENROUTE TRANSITION MEA VALUES CHANGED FROM 5000 TO 6000.

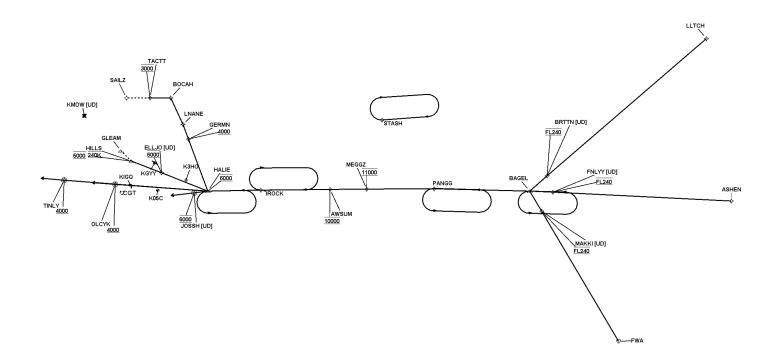
REASONS:

- 1, 2, 6, ATC REQUEST TO MITIGATE INDUSTRY CONCERNS WITH STEEP DESCENTS.
- 3, 4, 5. PROVIDE ROUTE FOR SATELLITE AIRPORTS TO REPLACE GOSHEN CONVENTIONAL STAR.
- 7. ATC REQUEST TO ASSIST IN SEQUENCING.
- 8. NEW ROUTE EVAL.
- 9. TO MAKE REPEATABLE FOR FUTURE BUILDS.
- 10. D/D/I EVAL.

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
PANGG (RNAV)	SEVEN	PANGG.PANGG7	SIX	08/10/2023	

Graphic Depiction 1



FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE STAR (DATA RECORD)

Arrival Name PANGG (RNAV)		Number SEVEN			STAR Computer Code PANGG.PANGG7			Supersede Si		Dated 08/10/2023	Effective Date
FIX/NAVAID	LAT/LONG	· <u>c</u>	FO/FB	LEG TYPE		DIST (NM)	· <u>/</u>	ALTITUDE	SPEED	REMARKS	
En Route Transition											
ASHEN	412849.77N / 0843848.30W	Υ		IF						ASHEN.PANGG7	
FNLYY	413044.36N / 0853010.32W	Υ	FB	TF	273.11	38.65		AT FL240			
BAGEL	413057.51N / 0853649.28W	Υ	FB	TF	272.55	05.00					
PANGG	413130.03N / 0860420.39W	Υ	FB	TF	271.65	20.68					
En Route Transition											
BAGEL	413057.51N / 0853649.28W	Υ		IF						BAGEL.PANGG7	
PANGG	413130.03N / 0860420.39W	Υ	FB	TF	271.65	20.68					
En Route Transition											
FWA VORTAC	405844.63N / 0851117.01W	Υ		IF						FWA.PANGG7	
MAKKI	412640.27N / 0853323.63W	Υ	FB	TF	329.25	32.52		AT FL240			
BAGEL	413057.51N / 0853649.28W	Υ	FB	TF	329.00	05.00					
PANGG	413130.03N / 0860420.39W	Υ	FB	TF	271.65	20.68					
En Route Transition											
LLTCH	420344.18N / 0844555.71W	Υ		IF						LLTCH.PANGG7	
BRTTN	413414.30N / 0853147.62W	Υ	FB	TF	229.57	45.23		AT FL240			
BAGEL	413057.51N / 0853649.28W	Υ	FB	TF	229.06	05.00					
PANGG	413130.03N / 0860420.39W	Υ	FB	TF	271.65	20.68					
Common Route											
PANGG	413130.03N / 0860420.39W	Υ		IF						PANGG.PANGG7	
MEGGZ	413124.28N / 0862344.65W	Υ	FB	TF	269.73	14.58		AT 11000			
AWSUM	413119.74N / 0863423.35W	Υ	FB	TF	269.52	08.00		AT 10000			
IROCK	413108.73N / 0865418.71W	Υ	FB	TF	269.41	14.97					
HALIE	413057.85N / 0870931.95W	Υ	FB	TF	269.18	11.44		AT 6000			

FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE STAR (DATA RECORD)

Arrival Name PANGG (RNAV)			Number SEVEN		STAR Comp PANGG.PA		Superseded SIX		Dated 08/10/2023	Effective Date
FIX/NAVAID	LAT/LONG	. <u>c</u>	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
Common Route										
PANGG	413130.03N / 0860420.39W	Υ		IF					PANGG.PANGG7	
MEGGZ	413124.28N / 0862344.65W	Υ	FB	TF	269.73	14.58	AT 11000			
AWSUM	413119.74N / 0863423.35W	Υ	FB	TF	269.52	08.00	AT 10000			
IROCK	413108.73N / 0865418.71W	Υ	FB	TF	269.41	14.97				
HALIE	413057.85N / 0870931.95W	Υ	FB	TF	269.18	11.44	AT 6000			
JOSSH	413035.83N / 0871329.75W	Υ	FO	TF	263.00	03.00	AT 6000			
K05C,K3HO,KGYY, KIGQ				FM	263.00					
Runway Transition										
HALIE	413057.85N / 0870931.95W	Υ		IF			AT 6000			
OLCYK	413224.69N / 0873616.06W	Υ	FO	TF	274.27	20.13	AT/ABOVE 4000			
KMDW:RWY 4R				FM	274.27					
Runway Transition										
HALIE	413057.85N / 0870931.95W	Υ		IF			AT 6000			
TINLY	413319.08N / 0875057.56W	Υ	FO	TF	274.55	31.20	AT/ABOVE 4000			
KMDW:RWY 13L				FM	274.55					
Runway Transition										
HALIE	413057.85N / 0870931.95W	Υ		IF			AT 6000			
GERMN	414206.60N / 0871506.58W	Υ	FB	TF	339.45	11.90	AT/ABOVE 4000			
LNANE	414518.38N / 0871642.92W	Υ	FB	TF	339.39	03.41				
BOCAH	415100.78N / 0872015.49W	Υ	FB	TF	335.10	06.29				
TACTT	415100.82N / 0872616.77W	Υ	FB	TF	270.04	04.50	AT 3000			
KMDW:RWY 22L										

FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE STAR (DATA RECORD)

Arrival Name PANGG (RNAV)				Number SEVEN		S	TAR Comp PANGG.PA		•	ed Number SIX	Dated 08/10/2023	Effective Date
FIX/NAVAID	LAT/LONG	· <u>c</u>	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS			
Runway Transition												
HALIE	413057.85N / 0870931.95W	Υ		IF			AT 6000					
ELLJO	413453.03N / 0872252.46W	Υ	FB	TF	291.43	10.76	AT 6000					
HILLS	413725.40N / 0873134.18W	Υ	FB	TF	291.31	07.00	AT 5000	AT 240K				
KMDW:RWY 31R												