

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Arrival Name SNDBR (RNAV)	Number THREE	STAR Computer Code SNDBR.SNDBR3	Superseded Number TWO	Dated 05/19/2022	Effective Date 29 Dec 2022
-------------------------------------	------------------------	---	---------------------------------	----------------------------	--------------------------------------

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
CANOA	CANOA.SNDBR3	CANOA	CANOA						
			JABOX	080.74	41.02	FL200	14100		
			SLIPT	069.47	40.10	FL200	14100		
			CONCK	055.48	22.54	FL200	14100	BETWEEN FL250 AND FL300	
			PAMPR	055.61	16.07	6000	1400	AT/ABOVE FL230	
CITAG	CITAG.SNDBR3	CITAG	CITAG						
			KARTR	166.91	46.62	6000	1800		
			PYREX	152.52	19.36	6000	1300	AT/BELOW FL190	
			SNDBR	073.48	26.96	6000	1300		
IKBIX	IKBIX.SNDBR3	IKBIX	IKBIX						
			PEAKY	012.51	35.59	FL200	1400		
			PAMPR	010.59	16.50	6000	1400	AT/ABOVE FL230	
			SNDBR	029.19	34.30	6000	1400		
MAXIM	MAXIM.SNDBR3	MAXIM	MAXIM						
			JABOX	051.66	14.59	FL200	14100		
			SLIPT	069.47	40.10	FL200	14100		
			CONCK	055.48	22.54	FL200	14100	BETWEEN FL250 AND FL300	
			PAMPR	055.61	16.07	6000	1400	AT/ABOVE FL230	
PAMPR	PAMPR.SNDBR3	PAMPR	SNDBR	029.19	34.30	6000	1400		
								AT/ABOVE FL230	
			SNDBR	029.19	34.30	6000	1400		

ARRIVAL ROUTE DESCRIPTION:

LANDING KMIA RWY 12, 8L/R, 9: FROM SNDBR ON TRACK 027.75/3.98 TO CROSS HASLM BETWEEN 11000 AND 13000 AND AT 250 KIAS, THEN ON TRACK 023.89/12.50 TO MOREA, THEN ON TRACK 057.90/12.78 TO CROSS LLEGG AT 4000. EXPECT ILS OR RNAV RWY 9 APPROACH OR RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KMIA RWY 26L/R, 27, 30: FROM SNDBR ON TRACK 044.79/4.00 TO CROSS ROYGO BETWEEN 13000 AND 16000, THEN ON TRACK 046.62/7.02 TO CROSS DUMPP AT OR BELOW 14000 AND AT 250 KIAS, THEN ON TRACK 046.66/9.00 TO CROSS FEEFA AT OR BELOW 12000, THEN ON TRACK 046.71/4.83 TO HILDI, THEN ON TRACK 094.01/7.72 TO CROSS JJUMP AT OR ABOVE 8000, THEN ON TRACK 094.06/6.97 TO REELN, THEN ON TRACK 124.06/10.65 TO CROSS WNNR AT 5000, THEN ON TRACK 124.06. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING 07FA/X51/KHST/KTMB: FROM SNDBR ON TRACK 025.19/11.72 TO CJAAY, THEN ON TRACK 025.19. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.



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	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
SNDBR (RNAV)	THREE	SNDBR.SNDBR3	TWO	05/19/2022	29 Dec 2022

PBN REQUIREMENT NOTES

RNAV 1 - DME/DME/IRU OR GPS. CANOA, MAXIM, IKBIX TRANSITIONS: GPS.

EQUIPMENT REQUIREMENT NOTES

RADAR REQUIRED

PROCEDURAL DATA NOTES:

NOTE: LANDING EAST USE RUNWAY 9 TRANSITION, LANDING WEST USE RUNWAY 30 TRANSITION, EXPECT RUNWAY ASSIGNMENT FROM MIA APPROACH PRIOR TO SNDBR.

NOTE: DO NOT FILE PAMPR OR CITAG TRANSITION - TO BE ASSIGNED BY ATC.

NOTE: JET AIRCRAFT ONLY.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT CITAG: HOLD N, RT, 166.91 INBOUND, 10 NM LEGS.

CHART HOLDING AT KARTR: HOLD N, LT, 166.91 INBOUND, 10 NM LEGS.

CHART HOLDING AT PAMPR: HOLD SW, LT, 055.61 INBOUND, 10 NM LEGS.

CHART HOLDING AT PEAKY: HOLD S, LT, 010.59 INBOUND, 10 NM LEGS.

CHART HOLDING AT PYREX: HOLD SW, LT, 044.21 INBOUND, 10 NM LEGS.

CHART HOLDING AT SNDBR: HOLD SW, LT, 029.19 INBOUND, 10 NM LEGS.

CHART OLDDE.

COMMUNICATIONS:

CHART: MIAMI APP CON

CHART: MIAMI HOMESTEAD GENERAL AVIATION AWOS

AIRPORTS SERVED:

MIAMI, FL (KMIA)

HOMESTEAD, FL (KHST)

MIAMI, FL (KTMB)

HOMESTEAD, FL (X51)

KEY LARGO, FL (07FA)

LOST COMMUNICATIONS PROCEDURE:REMARKS:

THE ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.

14100 FT MSL MOCA DUE TO 14000 FT MSL TETHERED BALLOON (12-001373) LOCATED IN SLIPT TO CONCK SEGMENT.

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	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
SNDBR (RNAV)	THREE	SNDBR.SNDBR3	TWO	05/19/2022	29 Dec 2022

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)
 MAG VAR: KMIA 05W/2000
 CHART AT LLEGG TERMINUS: KMIA LDG RWY 12, 8L/R, 9
 CHART AT WNNER TERMINUS: KMIA LDG RWY 26L/R, 27, 30
 CHART AT CJAAY TERMINUS: LDG 07FA/X51/KHST/KTMB

FLIGHT INSPECTED BY:

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALDIATION

Digitally signed by
DAVID TEFFETELLER
 Sep 01, 2022 Signature

DEVELOPED BY:

TEVAR MALONE
 Name
 AERONAUTICAL INFORMATION SPECIALIST AJV-A433
 Organization
 08/16/2022
 Date

Digitally signed by
DAVID TEFFETELLER
 Sep 01, 2022 Signature

APPROVED BY:

JOHNNIE BAKER
 Name
 AJV-A430
 Organization
 Date

Digitally signed by
DAVID TEFFETELLER
 Sep 01, 2022 Signature

CHANGES:

1. IN PBN REQUIREMENTS NOTES: CHANGED NOTE FROM "RNAV 1 - DME/DME/IRU OR GPS. CANOA, MAXIM, IKBIX TRANSITION: GPS." TO "RNAV 1 - DME/DME/IRU OR GPS. CANOA, MAXIM, IKBIX TRANSITIONS: GPS."



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	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
SNDBR (RNAV)	THREE	SNDBR.SNDBR3	TWO	05/19/2022	29 Dec 2022

REASONS:

1. CORRECTED AN ADMINISTRATIVE ERROR THAT OMITTED "S" FROM THE WORD "TRANSITIONS"- IAW 8260-19I PARA 4-5-13C.

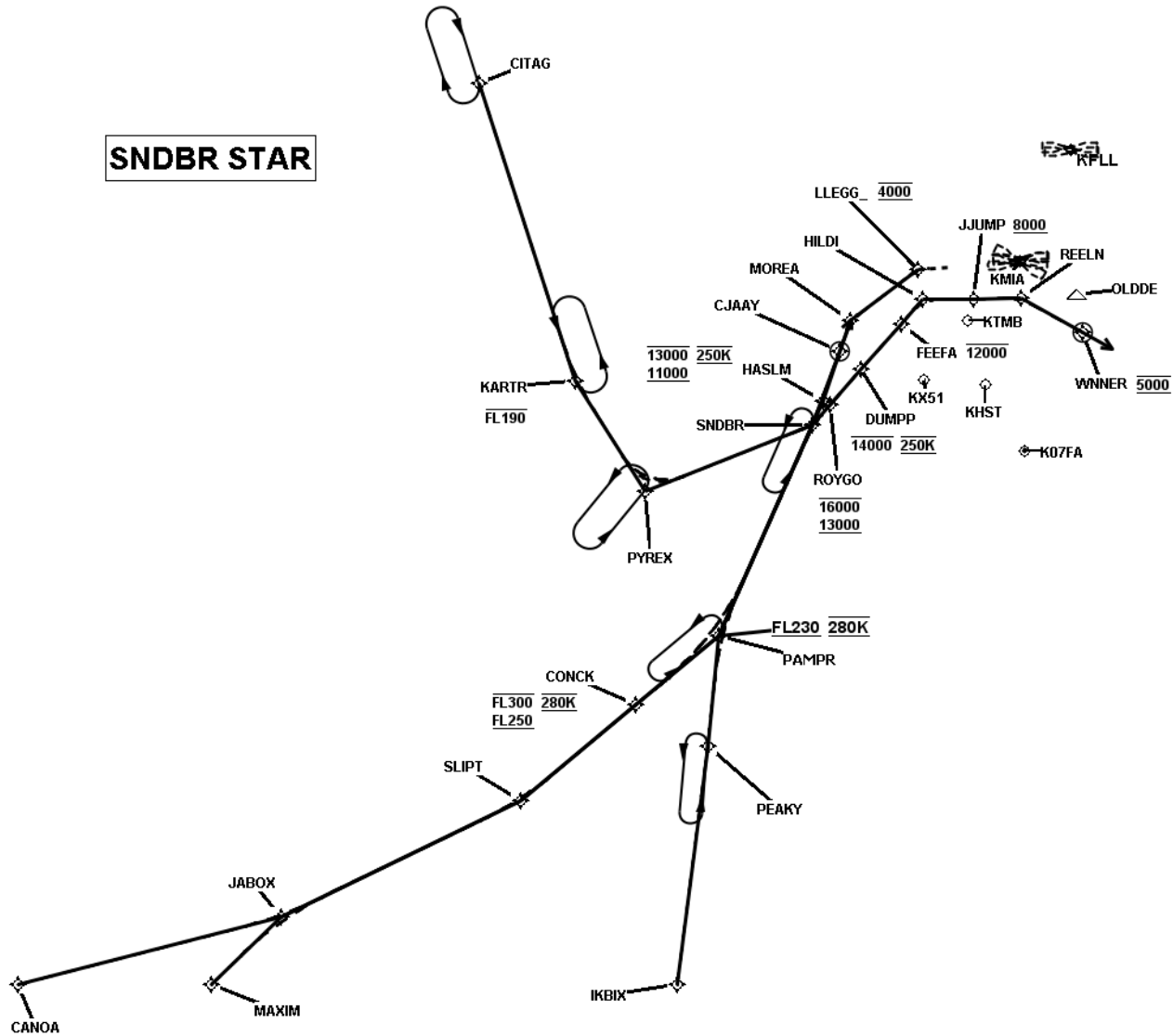


FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD TERMINAL ARRIVAL (STAR)

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	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
SNDBR (RNAV)	THREE	SNDBR.SNDBR3	TWO	05/19/2022	29 Dec 2022

Graphic Depiction 1



FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 STAR (DATA RECORD)

Arrival Name SNDBR (RNAV)	Number THREE	STAR Computer Code SNDBR.SNDBR3	Superseded Number TWO	Dated 05/19/2022	Effective Date 29 Dec 2022
-------------------------------------	------------------------	---	---------------------------------	----------------------------	--------------------------------------

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
CANOA	240000.00N / 0830300.00W	Y		IF					CANOA.SNDBR3
JABOX	241002.22N / 0821931.76W	Y	FB	TF	075.74	41.02			
SLIPT	242717.14N / 0813952.42W	Y	FB	TF	064.47	40.10			
CONCK	244139.16N / 0812047.19W	Y	FB	TF	050.48	22.54	FL250BFL300	AT 280K	
PAMPR	245152.38N / 0810707.84W	Y	FB	TF	050.61	16.07	AT/ABOVE FL230	AT 280K	
SNDBR	252314.77N / 0805136.85W	Y	FB	TF	024.19	34.30			

En Route Transition									
CITAG	261413.33N / 0814646.35W	Y		IF					CITAG.SNDBR3
KARTR	252945.76N / 0813046.24W	Y	FB	TF	161.91	46.62			
PYREX	251322.29N / 0811918.38W	Y	FB	TF	147.52	19.36	AT/BELOW FL190		
SNDBR	252314.77N / 0805136.85W	Y	FB	TF	068.48	26.96			

En Route Transition									
IKBIX	240000.00N / 0811400.00W	Y		IF					IKBIX.SNDBR3
PEAKY	243523.72N / 0810853.91W	Y	FB	TF	007.51	35.59			
PAMPR	245152.38N / 0810707.84W	Y	FB	TF	005.59	16.50	AT/ABOVE FL230	AT 280K	
SNDBR	252314.77N / 0805136.85W	Y	FB	TF	024.19	34.30			

En Route Transition									
MAXIM	240000.00N / 0823107.73W	Y		IF					MAXIM.SNDBR3
JABOX	241002.22N / 0821931.76W	Y	FB	TF	046.66	14.59			
SLIPT	242717.14N / 0813952.42W	Y	FB	TF	064.47	40.10			
CONCK	244139.16N / 0812047.19W	Y	FB	TF	050.48	22.54	FL250BFL300	AT 280K	
PAMPR	245152.38N / 0810707.84W	Y	FB	TF	050.61	16.07	AT/ABOVE FL230	AT 280K	
SNDBR	252314.77N / 0805136.85W	Y	FB	TF	024.19	34.30			



FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 STAR (DATA RECORD)

Arrival Name SNDBR (RNAV)	Number THREE	STAR Computer Code SNDBR.SNDBR3	Superseded Number TWO	Dated 05/19/2022	Effective Date 29 Dec 2022
-------------------------------------	------------------------	---	---------------------------------	----------------------------	--------------------------------------

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
PAMPR	245152.38N / 0810707.84W	Y		IF			AT/ABOVE FL230	AT 280K	PAMPR.SNDBR3
SNDBR	252314.77N / 0805136.85W	Y	FB	TF	024.19	34.30			

Common Route									
SNDBR	252314.77N / 0805136.85W	Y		IF					SNDBR.SNDBR3
CJAAY	253416.87N / 0804708.42W	Y	FO	TF	020.19	11.72			
07FA,KHST,KTMB, X51				FM	020.19				

Runway Transition									
SNDBR	252314.77N / 0805136.85W	Y		IF					
HASLM	252655.58N / 0804954.88W	Y	FB	TF	022.75	03.98	11000B13000	AT 250K	
MOREA	253847.51N / 0804526.13W	Y	FB	TF	018.89	12.50			
LLEGG	254631.10N / 0803408.58W	Y	FB	TF	052.90	12.78	AT 4000		

KMIA:RWY 8L,RWY 8R,RWY 9,RWY 12

Runway Transition									
SNDBR	252314.77N / 0805136.85W	Y		IF					
ROYGO	252619.74N / 0804847.19W	Y	FB	TF	039.79	04.00	13000B16000		
DUMPP	253135.35N / 0804338.04W	Y	FB	TF	041.62	07.02	AT/BELOW 14000	AT 250K	
FEEFA	253820.00N / 0803700.74W	Y	FB	TF	041.66	09.00	AT/BELOW 12000		
HILDI	254156.89N / 0803327.36W	Y	FB	TF	041.71	04.83			
JJUMP	254204.68N / 0802454.48W	Y	FB	TF	089.01	07.72	AT/ABOVE 8000		
REELN	254211.36N / 0801711.85W	Y	FB	TF	089.06	06.97			
WNNER	253659.80N / 0800654.06W	Y	FO	TF	119.06	10.65	AT 5000		

KMIA:RWY 26L,RWY 26R,RWY 27,RWY 30

