

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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
POPPO (RNAV)	ONE	POPPO.POPPO1	NONE		25 JAN 2024

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
DILLO	DILLO.POPPO1	DILLO	DILLO						AT/ABOVE FL220
			POPPO	172.44	41.46	9000	3700		AT 10000
PPNUT	PPNUT.POPPO1	PPNUT	PPNUT						AT/ABOVE FL220
			POPPO	153.87	50.79	9000	3700		AT 10000
PRTZY	PRTZY.POPPO1	PRTZY	PRTZY						
			MUGSY	153.57	75.57	9000	3800		
			PPNUT	154.04	27.21	9000	3700		AT/ABOVE FL220
			POPPO	153.87	50.79	9000	3700		AT 10000
TRVLL	TRVLL.POPPO1	TRVLL	TRVLL						
			POPPO	113.49	63.33	9000	3700		AT 10000

ARRIVAL ROUTE DESCRIPTION:

KSAT: FROM POPPO ON TRACK 179.15/9.93 TO CROSS VIICH AT OR BELOW 9000 AND AT 250 KIAS.

LANDING KSAT RWY 4: FROM VIICH ON TRACK 179.15/12.69 TO PRKKR, THEN ON TRACK 156.54/5.61 TO CROSS DYNMO AT OR ABOVE 7000 AND AT 230 KIAS, THEN ON TRACK 157.13/6.01 TO CROSS DIIAW AT 6000 AND AT 210 KIAS, THEN ON TRACK 157.15/5.45 TO TIMYY, THEN ON TRACK 216.75/3.00 TO CROSS LOWWN AT 6000 AND AT 210 KIAS, THEN ON TRACK 216.75. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KSAT RWY 13R: FROM VIICH ON TRACK 171.68/7.44 TO CROSS SWUPZ AT 7000 AND AT 210 KIAS. EXPECT ILS OR LOC RWY 13R APPROACH.

LANDING KSAT RWY 22: FROM VIICH ON TRACK 149.58/15.66 TO CROSS GERVN AT 6000 AND AT 210 KIAS, THEN ON TRACK 101.18/8.91 TO ADDYY, THEN ON TRACK 036.74/5.71 TO CROSS IXION AT 6000 AND AT 210 KIAS, THEN ON TRACK 036.74. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KSAT RWY 31L: FROM VIICH ON TRACK 179.15/12.69 TO PRKKR, THEN ON TRACK 152.77/6.46 TO CROSS BEKKK AT OR ABOVE 8000, THEN ON TRACK 129.77/8.49 TO CROSS PATII AT OR ABOVE 7000, THEN ON TRACK 129.90/8.01 TO CROSS KEENM AT 6000 AND AT 210 KIAS, THEN ON TRACK 129.90. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KSKF/KBAZ/KCVB/KSSF/KPEZ/5C1/KRND: FROM POPPO ON TRACK 179.15/9.93 TO CROSS VIICH AT OR BELOW 9000 AND AT 250 KIAS, THEN ON TRACK 179.15/2.00 TO CROSS GAYMS AT 9000, THEN ON TRACK 179.15. 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: JET AND TURBOPROP AIRCRAFT ONLY

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT ERROR: HOLD NE, RT, 216.97 INBOUND, 5 NM LEGS.

CHART HOLDING AT HARDD: HOLD SW, RT, 036.67 INBOUND, 5 NM LEGS.

CHART HOLDING AT PPNUT: HOLD NW, RT, 154.04 INBOUND, 11 NM LEGS.



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CHART HOLDING AT RBNSN: HOLD NW, RT, 127.60 INBOUND, 5 NM LEGS.
CHART HOLDING AT SLOW: HOLD SE, RT, 307.61 INBOUND, 5 NM LEGS.
CHART HOLDING AT TRVLL: HOLD NW, LT, 113.49 INBOUND, 10 NM LEGS.
CHART: TRNKS

COMMUNICATIONS:

CHART: HOUSTON APP CON

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KSAT	SAN ANTONIO	TX
5C1	SAN ANTONIO	TX
KCVB	CASTROVILLE	TX
KSKF	SAN ANTONIO	TX
KBAZ	NEW BRAUNFELS	TX
KPEZ	PLEASANTON	TX
KRND	UNIVERSAL CITY	TX
KSSF	SAN ANTONIO	TX

LOST COMMUNICATIONS PREFERENCES:

KSAT RWY 4: AFTER LOWWN PROCEED TO HARDD AT 5000 AND HOLD.
KSAT RWY 22: AFTER IXION PROCEED TO ERROR AND HOLD.
KSAT RWY 31L: AFTER KEENM PROCEED TO TRNKS AT 3400, THEN ON ILS OR LOC RWY 31L OR RNAV (GPS) Y RWY 31L APPROACH.

REMARKS:

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)
MAG VAR: KSAT 04E/2020
CHART AT KEENM TERMINUS: KSAT LDG RWY 31L
CHART AT IXION TERMINUS: KSAT LDG RWY 22
CHART AT SWUPZ TERMINUS: KSAT LDG RWY 13R
CHART AT LOWWN TERMINUS: KSAT LDG RWY 4
CHART AT GAYMS TERMINUS: LDG 5C1/KBAZ/KCVB/KPEZ/KRND/KSKF/KSSF



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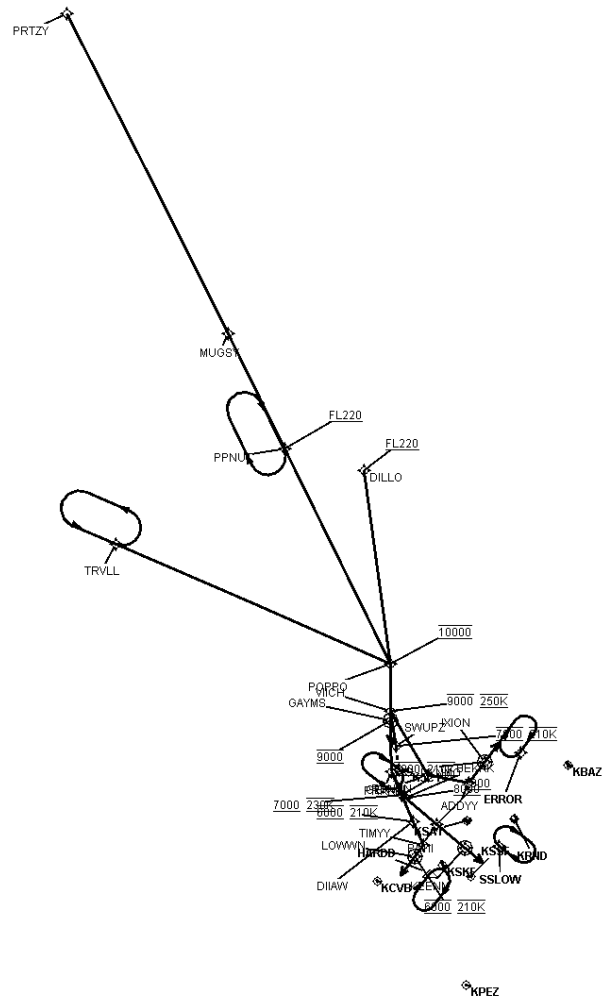
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
POPPO (RNAV)	ONE	POPPO.POPPO1	NONE		25 JAN 2024
<i>Digitally signed by</i>					
JASON KRETSCHMER					
<i>Aug 14, 2023</i>					
<i>Digitally signed by</i>					
PATRICK W COMBS					
<i>Apr 17, 2023</i>					
<i>Digitally signed by</i>					
JASON KRETSCHMER					
<i>Aug 14, 2023</i>					
CHANGES:					
REASONS:					



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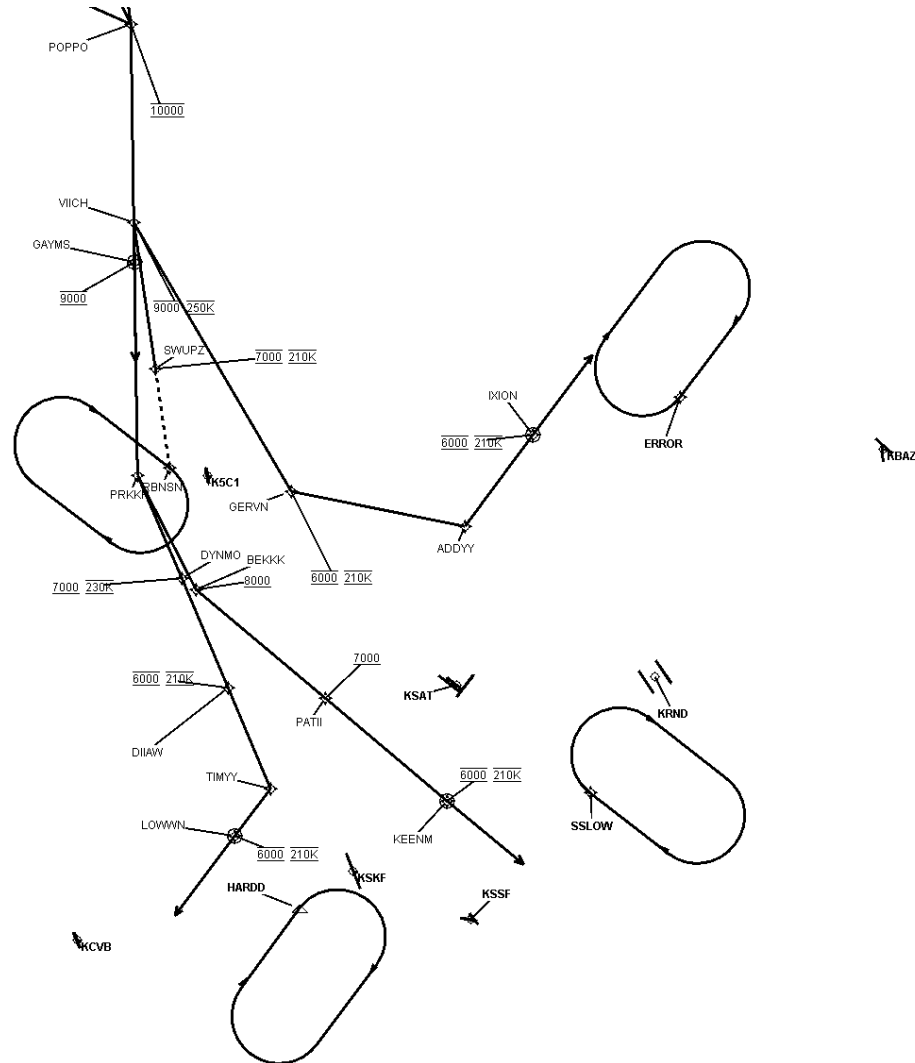
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
POPPO (RNAV)	ONE	POPPO.POPPO1	NONE		25 JAN 2024
Graphic Depiction 1					



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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
POPPO (RNAV)	ONE	POPPO.POPPO1	NONE		25 JAN 2024
Graphic Depiction 2					



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name POPPO (RNAV)	Number ONE		STAR Computer Code POPPO.POPPO1			Superseded Number NONE		Dated	Effective Date 25 JAN 2024
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
DILLO	304746.76N / 0984713.91W	Y		IF			AT/ABOVE FL220		DILLO.POPPO1
POPPO	300618.20N / 0984416.08W	Y	FB	TF	176.44	41.46	AT 10000		
En Route Transition									
PPNUT	305329.75N / 0990619.37W	Y		IF			AT/ABOVE FL220		PPNUT.POPPO1
POPPO	300618.20N / 0984416.08W	Y	FB	TF	157.87	50.79	AT 10000		
En Route Transition									
PRTZY	322852.23N / 0995148.18W	Y		IF					PRTZY.POPPO1
MUGSY	311847.78N / 0991808.80W	Y	FB	TF	157.57	75.57			
PPNUT	305329.75N / 0990619.37W	Y	FB	TF	158.04	27.21	AT/ABOVE FL220		
POPPO	300618.20N / 0984416.08W	Y	FB	TF	157.87	50.79	AT 10000		
En Route Transition									
TRVLL	303552.41N / 0994902.51W	Y		IF					TRVLL.POPPO1
POPPO	300618.20N / 0984416.08W	Y	FB	TF	117.49	63.33	AT 10000		
Common Route									
POPPO	300618.20N / 0984416.08W	Y		IF			AT 10000		POPPO.POPPO1
VIICH	295621.95N / 0984453.80W	Y	FB	TF	183.15	09.93	AT/BELOW 9000	AT 250K	
Common Route									
POPPO	300618.20N / 0984416.08W	Y		IF			AT 10000		POPPO.POPPO1
VIICH	295621.95N / 0984453.80W	Y	FB	TF	183.15	09.93	AT/BELOW 9000	AT 250K	
GAYMS	295421.75N / 0984501.39W	Y	FO	TF	183.15	02.00	AT 9000		
5C1,KBAZ,KCVB, KPEZ,KRND,KSKF, KSSF				FM	183.15				

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STAR (DATA RECORD)

Arrival Name POPPO (RNAV)	Number ONE		STAR Computer Code POPPO.POPPO1		Superseded Number NONE		Dated		Effective Date 25 JAN 2024
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
Runway Transition									
VIICH	295621.95N / 0984453.80W	Y		IF			AT/BELOW 9000	AT 250K	
PRKKR	294339.61N / 0984541.84W	Y	FB	TF	183.15	12.69			
DYNMO	293821.67N / 0984333.24W	Y	FB	TF	160.54	05.61	AT/ABOVE 7000	AT 230K	
DIIAW	293239.58N / 0984119.54W	Y	FB	TF	161.13	06.01	AT 6000	AT 210K	
TIMYY	292729.39N / 0983918.55W	Y	FB	TF	161.15	05.45			
LOWWN	292512.67N / 0984133.08W	Y	FO	TF	220.75	03.00	AT 6000	AT 210K	
KSAT:RWY 4				FM	220.75				
Runway Transition									
VIICH	295621.95N / 0984453.80W	Y		IF			AT/BELOW 9000	AT 250K	
SWUPZ	294855.55N / 0984415.10W	Y	FB	TF	175.68	07.44	AT 7000	AT 210K	
KSAT:RWY 13R									
Runway Transition									
VIICH	295621.95N / 0984453.80W	Y		IF			AT/BELOW 9000	AT 250K	
GERVN	294218.42N / 0983653.96W	Y	FB	TF	153.58	15.66	AT 6000	AT 210K	
ADDYY	293957.69N / 0982701.49W	Y	FB	TF	105.18	08.91			
IXION	294417.90N / 0982244.62W	Y	FO	TF	040.74	05.71	AT 6000	AT 210K	
KSAT:RWY 22				FM	040.74				
Runway Transition									
VIICH	295621.95N / 0984453.80W	Y		IF			AT/BELOW 9000	AT 250K	
PRKKR	294339.61N / 0984541.84W	Y	FB	TF	183.15	12.69			
BEKKK	293742.52N / 0984246.45W	Y	FB	TF	156.77	06.46	AT/ABOVE 8000		
PATII	293149.05N / 0983544.70W	Y	FB	TF	133.77	08.49	AT/ABOVE 7000		
KEENM	292614.79N / 0982908.07W	Y	FO	TF	133.90	08.01	AT 6000	AT 210K	
KSAT:RWY 31L				FM	133.90				