

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Arrival Name ALYNA (RNAV)	Number ONE	STAR Computer Code ALYNA.ALYNA1	Superseded Number NONE	Dated	Effective Date 22 APR 2021				
TRANSITION ROUTES:									
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
BEAUX	BEAUX.ALYNA1	BEAUX	BEAUX						
		BEAUX	SURFR	258.55	27.61	12000	1300		AT 14000
		SURFR	ALYNA	270.75	29.43	6000	1600		
GRDON	GRDON.ALYNA1	GRDON	GRDON						
		GRDON	TIMIE	198.72	22.34	10000	1300		AT 12000
		TIMIE	BURNE	201.11	08.13	8000	1300		
		BURNE	ALYNA	252.12	14.42	6000	1600		
HIBAC	HIBAC.ALYNA1	HIBAC	HIBAC						
		HIBAC	BEAUX	256.99	22.64	16000	1300		
		BEAUX	SURFR	258.55	27.61	12000	1300		AT 14000
		SURFR	ALYNA	270.75	29.43	6000	1600		
SURFR	SURFR.ALYNA1	SURFR	SURFR						AT 14000
		SURFR	ALYNA	270.75	29.43	6000	1600		

ARRIVAL ROUTE DESCRIPTION:

LANDING KMCO RWY 17L/R, 18L/R: FROM ALYNA ON TRACK 269.96/6.72 TO CROSS BANYA AT 7000 AND AT 210 KIAS, THEN ON HEADING 246.00 OR AS ASSIGNED BY ATC. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KMCO RWY 35L/R, 36L/R: FROM ALYNA ON TRACK 237.42/7.68 TO CROSS HIGGZ BETWEEN 10000 AND 12000 AND AT 250 KIAS, THEN ON TRACK 198.94/9.87 TO CROSS VOSSS AT OR ABOVE 8000 AND AT 230 KIAS, THEN ON TRACK 186.43/7.02 TO CROSS SUNDE AT OR ABOVE 6000, THEN ON TRACK 186.38/6.95 TO CROSS CUBAL AT 5000 AND AT 210 KIAS, THEN ON TRACK 186.38. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KLEE/KSFB/KISM/KORL: FROM ALYNA ON TRACK 262.78/6.78 TO CROSS BUDLE AT 6000, THEN ON HEADING 262.78 OR AS ASSIGNED BY ATC. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: Descend via MACH number until intercepting 280KIAS. Maintain 280KIAS until slowed by the STAR or assigned by ATC.

NOTE: MCO Landing South: Expect 250 KIAS at TIMIE.

NOTE: MCO Landing North: Expect RADAR Vectors prior to CUBAL.

NOTE: MCO Landing South: Expect RADAR Vectors prior to BANYA.

NOTE: Landing all Satellite Airports: Expect RADAR Vectors prior to BUDLE.

NOTE: BEAUX, GRDON, and SURFR Transitions: ATC Assigned only.

NOTE: TURBOJET AND TURBOPROP AIRCRAFT ONLY.

QUALITY
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CHECKED

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ALYNA (RNAV)	ONE	ALYNA.ALYNA1	NONE		22 APR 2021

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT GRDON: HOLD N, RT, 198.72 INBOUND, 10 NM LEGS.
CHART HOLDING AT SURFR: HOLD E, LT, 258.55 INBOUND, 10 NM LEGS.
CHART HOLDING AT TIMIE: HOLD N, LT, 198.72 INBOUND, 10 NM LEGS.
CHART SEEDO, FESHA.

COMMUNICATIONS:

ORLANDO INTL D-ATIS
ORLANDO APP CON
KISSIMMEE GATEWAY ATIS
EXECUTIVE ATIS
ORLANDO SANFORD INTL ATIS

AIRPORTS SERVED:

ORLANDO INTL, ORLANDO, FL (KMCO)
EXECUTIVE, ORLANDO, FL (KORL)
KISSIMMEE GATEWAY, ORLANDO, FL (KISM)
LEESBURG INTL, LEESBURG, FL (KLEE)
ORLANDO SANFORD INTL, ORLANDO, FL (KSFB)

LOST COMMUNICATIONS PROCEDURE:

KMCO LANDING NORTH: Continue track to CUBAL, then proceed direct to FESHA, intercept Rwy 35R final approach course, conduct approach.
KMCO LANDING SOUTH: Continue track to BANYA, then proceed direct to SEEDO, intercept Rwy 17L final approach course, conduct approach.

REMARKS:

ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.
MEAs AT or ABOVE FL180 for COMM and DME/DME/IRU SOLUTIONS. TARGETS (identified) controlling obsts over water documented as 295' ships.

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)
REFERENCE MAGNETIC VARIATION = KMCO 06W/2015.
CHART AT BUDLE TERMINUS: LDG KLEE/KSFB/KISM/KORL
CHART AT BANYA TERMINUS: KMCO LDG RWY 17L/R, 18L/R
CHART AT CUBAL TERMINUS: KMCO LDG RWY 35L/R, 36L/R



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ALYNA (RNAV)	ONE	ALYNA.ALYNA1	NONE		22 APR 2021
FLIGHT INSPECTED BY:					
JAMES HAWLEY		FICO	02/24/2021	ALLAN WILL	
Name		Organization	Date	Signature	
DEVELOPED BY:					
VICKI TURNER		Design and Implementation Program Manager, AJV-E22	08/07/2020	ALLAN WILL	
Name		Organization	Date	Signature	
APPROVED BY:					
PAT MULQUEEN, MANAGER		AJV-A440		ALLAN WILL	
Name		Organization	Date	Signature	

CHANGES:

REASONS:

3/1/21. THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 8/7/20.

1. ARRIVAL NAME CHANGED FROM ALINA TO ALYNA.
2. CHANGED ALL FIX REFERENCES FROM ALINA TO ALYNA.



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name ALYNA (RNAV)		Number ONE		STAR Computer Code ALYNA.ALYNA1		Superseded Number NONE		Dated	Effective Date 22 APR 2021
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
BEAUX	285812.71N / 0795829.19W	Y		IF					BEAUX.ALYNA1
SURFR	284951.39N / 0802828.59W	Y	FB	TF	252.55	27.61	AT 14000		
ALYNA	284705.37N / 0810149.94W	Y	FB	TF	264.75	29.43			
En Route Transition									
GRDON	292240.70N / 0803847.91W	Y		IF					GRDON.ALYNA1
TIMIE	290049.74N / 0804424.64W	Y	FB	TF	192.72	22.34	AT 12000		
BURNE	285257.35N / 0804649.57W	Y	FB	TF	195.11	08.13			
ALYNA	284705.37N / 0810149.94W	Y	FB	TF	246.12	14.42			
En Route Transition									
HIBAC	290538.63N / 0793404.65W	Y		IF					HIBAC.ALYNA1
BEAUX	285812.71N / 0795829.19W	Y	FB	TF	250.99	22.64			
SURFR	284951.39N / 0802828.59W	Y	FB	TF	252.55	27.61	AT 14000		
ALYNA	284705.37N / 0810149.94W	Y	FB	TF	264.75	29.43			
En Route Transition									
SURFR	284951.39N / 0802828.59W	Y		IF			AT 14000		SURFR.ALYNA1
ALYNA	284705.37N / 0810149.94W	Y	FB	TF	264.75	29.43			
Common Route									
ALYNA	284705.37N / 0810149.94W	Y		IF					ALYNA.ALYNA1
BUDLE	284531.89N / 0810920.53W	Y	FO	TF	256.78	06.78	AT 6000		
KISM,KLEE,KORL, KSFB				VM	256.78				

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
Runway Transition									
ALYNA	284705.37N / 0810149.94W	Y		IF					
BANYA	284622.65N / 0810926.02W	Y	FO	TF	263.96	06.72	AT 7000	AT 210K	
KMCO:RWY 17L,RWY 17R,RWY 18L,RWY 18R				VM	240.00				
Runway Transition									
ALYNA	284705.37N / 0810149.94W	Y		IF					
HIGGZ	284216.96N / 0810839.80W	Y	FB	TF	231.42	07.68	10000B12000	AT 250K	
VOSSS	283237.98N / 0811110.45W	Y	FB	TF	192.94	09.87	AT/ABOVE 8000	AT 230K	
SUNDE	282535.58N / 0811114.05W	Y	FB	TF	180.43	07.02	AT/ABOVE 6000		
CUBAL	281837.67N / 0811117.18W	Y	FO	TF	180.38	06.95	AT 5000	AT 210K	
KMCO:RWY 35L,RWY 35R,RWY 36L,RWY 36R				FM	180.38				