

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>MAPEL (RNAV)</b>	<b>THREE</b>	<b>PRIVO.MAPEL3</b>	<b>TWO</b>	<b>01/05/2017</b>	<b>31 DEC 2020</b>

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
PHILIPSBURG	PSB.MAPEL3	PSB VORTAC	PSB VORTAC						
			JARAF	177.33	24.50	12000	4900		
			PRIVO	177.41	26.70	10000	4700		
WILSS	WILSS.MAPEL3	WILSS	WILSS						
			PRIVO	236.30	16.73	10000	4600		

ARRIVAL ROUTE DESCRIPTION:

FROM PRIVO ON TRACK 177.49/10.37 TO CROSS DAFIX AT 12000, THEN ON TRACK 177.52/10.54 TO CROSS OVIEE AT 10000 AND AT 250 KIAS, THEN ON TRACK 179.88/14.34 TO CROSS MAPEL AT 7000.

LANDING RWY 01C/01R: FROM MAPEL ON TRACK 152.60/18.15 TO CROSS MOWAT AT 5000, THEN ON TRACK 188.90/6.10 TO CROSS HUSEL AT 4000, THEN ON TRACK 189.88/15.37 TO YACKK, THEN ON TRACK 190.95/13.71 TO TICON, THEN ON TRACK 190.95. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 01L: FROM MAPEL ON TRACK 187.25/21.57 TO CROSS KUKSE AT 5000, THEN ON TRACK 191.11/12.77 TO ELISN, THEN ON TRACK 190.55/18.10 TO MIKEJ, THEN ON TRACK 190.55. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 19C: FROM MAPEL ON TRACK 153.01/11.08 TO CROSS COVUR AT 7000, THEN ON TRACK 190.81/3.00 TO DIMKE, THEN ON TRACK 190.65/4.97 TO CROSS HOOSR AT OR ABOVE 5000. EXPECT ILS OR LOC RWY 19C APPROACH.

LANDING RWY 19L: FROM MAPEL ON TRACK 148.71/6.54 TO CROSS MCQUE AT OR BELOW 5000, THEN ON TRACK 148.93/5.24 TO CROSS LITEY AT 4000, THEN ON TRACK 190.68/3.00 TO CROSS YYANG AT 4000, THEN ON TRACK 190.67/4.65 TO CROSS DADEY AT OR ABOVE 3000. EXPECT ILS OR LOC RWY 19L APPROACH.

LANDING RWY 19R: FROM MAPEL ON TRACK 155.95/6.48 TO CROSS BASYL AT 6000, THEN ON TRACK 156.23/4.18 TO CROSS REXOIE AT 6000, THEN ON TRACK 190.65/7.12 TO CROSS BEEZY AT OR ABOVE 4000. EXPECT ILS OR LOC RWY 19R APPROACH.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: TURBOJET AIRCRAFT ONLY

NOTE: MAINTAIN LAST ASSIGNED ALTITUDE UNTIL "CLEARED TO DESCEND VIA MAPEL THREE STAR".

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT DAFIX: N, LT, 182.00 INBOUND, 4 NM LEGS, 210 KIAS.

COMMUNICATIONS:

POTOMAC APP CON: 133.0/288.35

WASHINGTON DULLES INTL ATIS: 134.85

QUALITY  
16  
CHECKED

AIRPORTS SERVED:

WASHINGTON DULLES INTL, WASHINGTON, DC (KIAD)

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
<b>MAPEL (RNAV)</b>	<b>THREE</b>	<b>PRIVO.MAPEL3</b>	<b>TWO</b>	<b>01/05/2017</b>	<b>31 DEC 2020</b>

LOST COMMUNICATIONS PROCEDURE:

REMARKS:

ABBREVIATED AMENDMENT

THE AREA BETWEEN YYANG AND DADEY IS KNOWN A MOUNTAINOUS BUT NOT PRECIPITOUS TERRAIN AND THERE HAVE BEEN NO REPORTABLE WIND ANOMALIES. THEREFORE WE ARE TAKING A ROC REDUCTION TO MAKE THE MEA 3000.

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAGNETIC VARIATION = KIAD 10W/2000.

CHART: R-4009, P40.

FLIGHT INSPECTED BY:

BOB S PRESSLER

Name

FICO

Organization

10/28/2020

Date

*Digitally signed by*

**DAVID DANNER**

~~Oct 29, 2020~~

*Digitally signed by* Signature

**JOSEPH L ZEDER**

Jul 23, 2020

Signature

DEVELOPED BY:

JOSEPH ZEDER

Name

AJV-A442

Organization

07/22/2020

Date

*Digitally signed by*

**DAVID DANNER**

Oct 29, 2020

Signature

APPROVED BY:

PATRICK MULQUEEN, MANAGER

Name

AJV-A440

Organization

Date

CHANGES:

1. ADDED ALTITUDE RESTRICTION: AT OR ABOVE 4000 AT BEEZY.
2. ADDED ALTITUDE RESTRICTION: AT OR ABOVE 5000 AT HOOSR.
3. ADDED ALTITUDE RESTRICTION: AT 4000 AT YYANG.
4. ADDED ALTITUDE RESTRICTION: AT OR ABOVE 3000 AT DADEY.
5. REMOVED MEA AND MOCA'S FROM CHARTING ON COMMON ROUTE AND RUNWAY TRANSITIONS.
6. ADDED 500' ROC REDUCTION TO RWY19L TRANSITION BETWEEN YYANG AND DADEY.

REASONS:

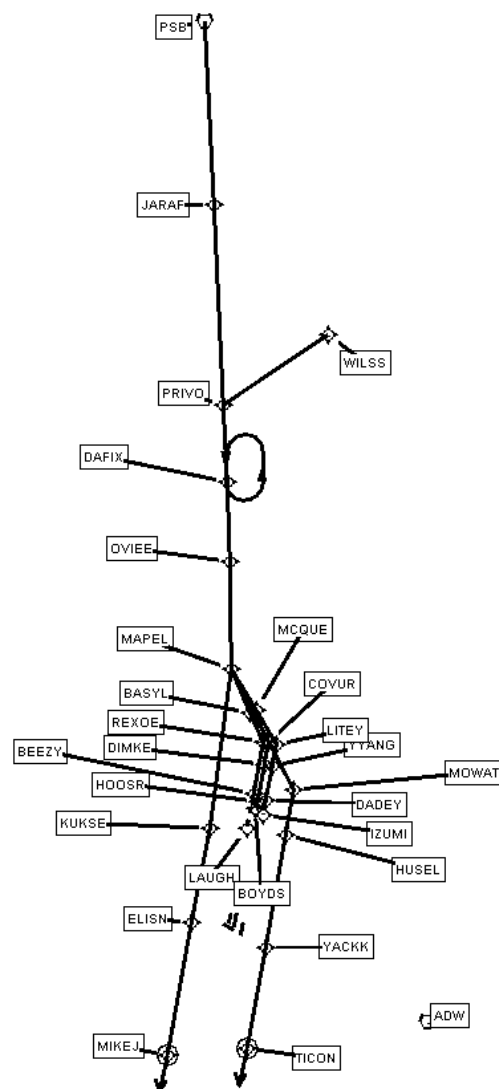
- 1-4. ATC REQUEST TO ALIGN PROCEDURAL ALTITUDES WITH SIAP ALTITUDES.
5. ATC REQUEST TO MITIGATE ERRORS/DEVIATIONS CAUSED BY PILOTS ERRONEOUSLY DESCENDING TO MEA OR MOCA.
6. AREA DOES NOT HAVE PRECIPITOUS TERRAIN, ALLOWS PROCEDURE ALTITUDES TO ALIGN WITH ILS ALTITUDE.

QUALITY  
16  
CHECKED

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.

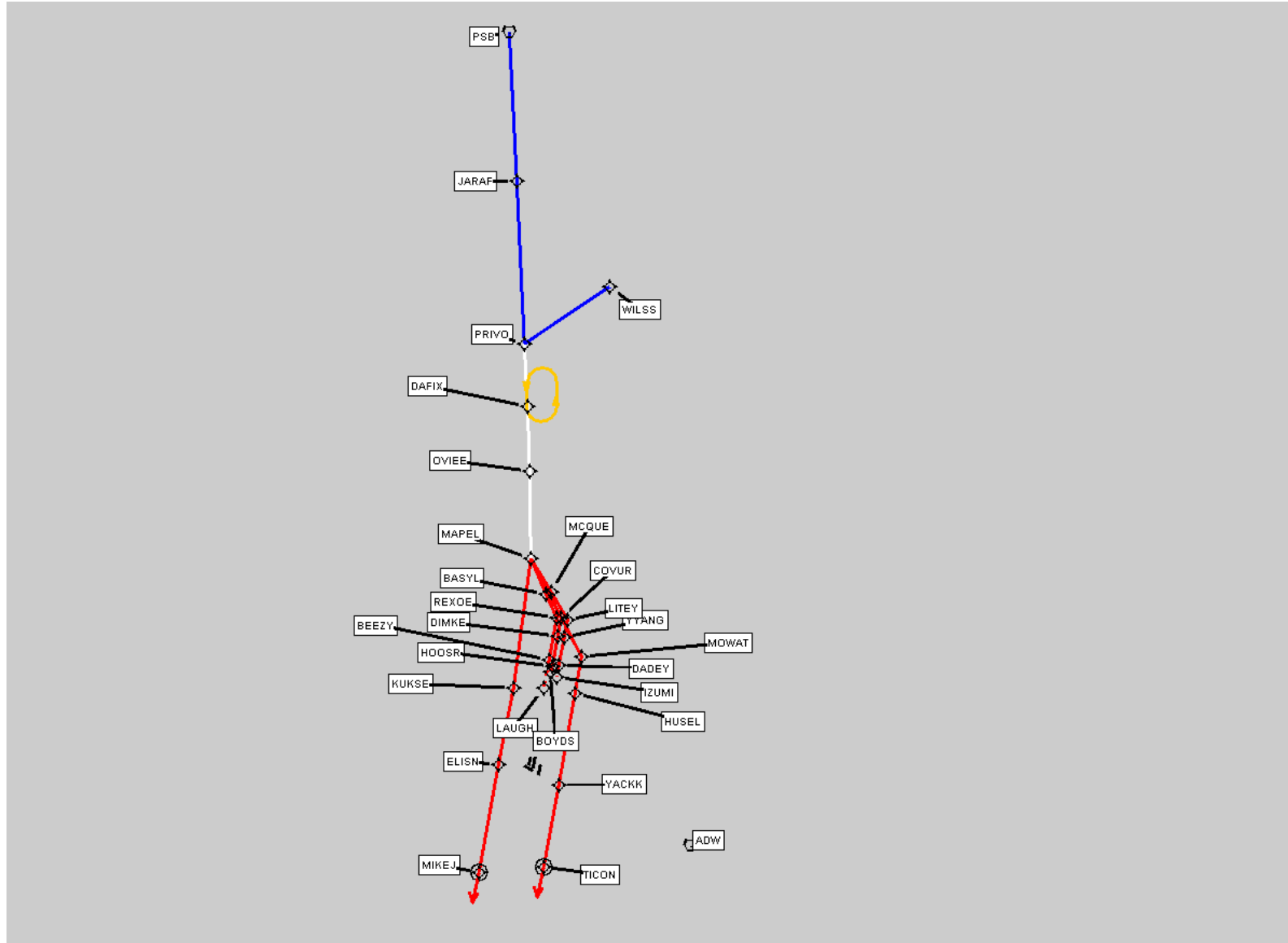
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>MAPEL (RNAV)</b>	<b>THREE</b>	<b>PRIVO.MAPEL3</b>	<b>TWO</b>	<b>01/05/2017</b>	<b>31 DEC 2020</b>
<b>Graphic Depiction 1</b>					



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.

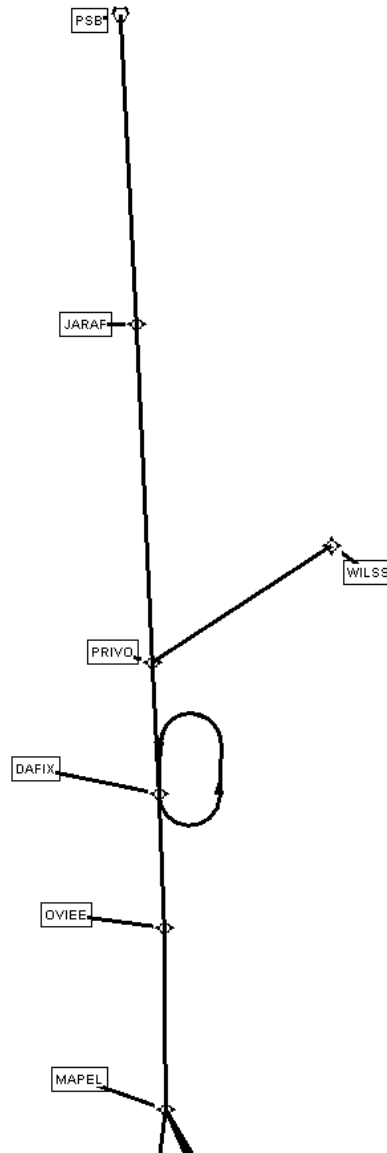
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>MAPEL (RNAV)</b>	<b>THREE</b>	<b>PRIVO.MAPEL3</b>	<b>TWO</b>	<b>01/05/2017</b>	<b>31 DEC 2020</b>
<b>Graphic Depiction 2</b>					



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
MAPEL (RNAV)	THREE	PRIVO.MAPEL3	TWO	01/05/2017	31 DEC 2020
Graphic Depiction 3					

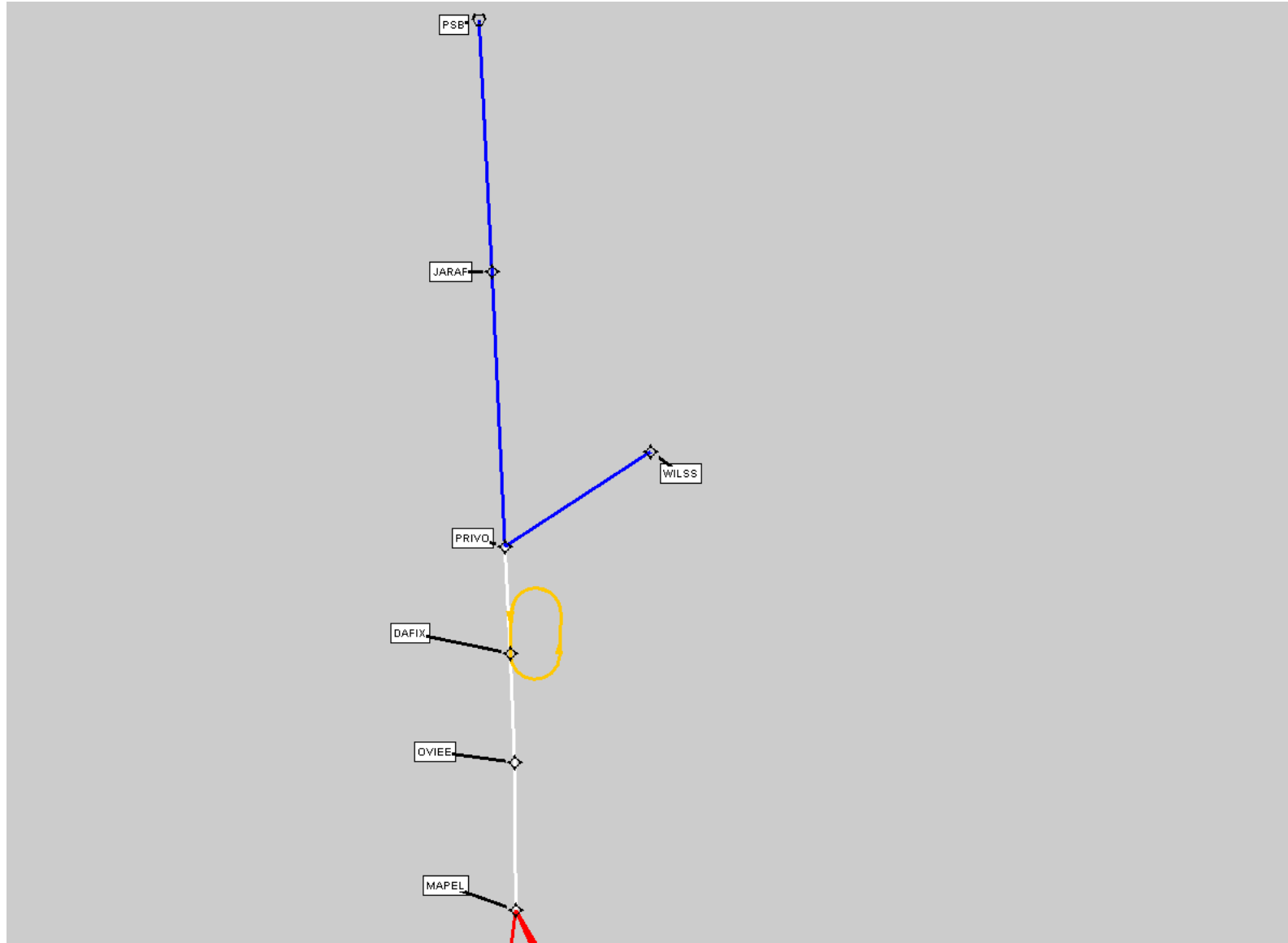


FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD TERMINAL ARRIVAL (STAR)

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
MAPEL (RNAV)	THREE	PRIVO.MAPEL3	TWO	01/05/2017	31 DEC 2020

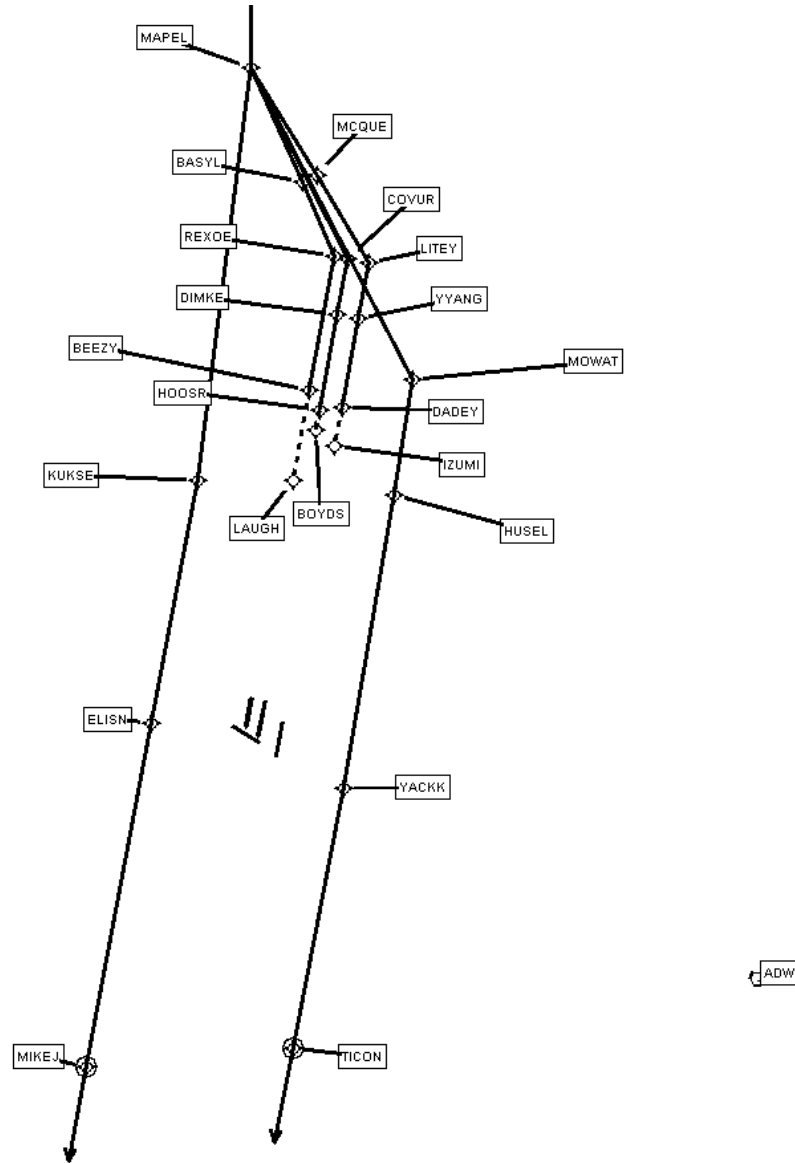
Graphic Depiction 4



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.

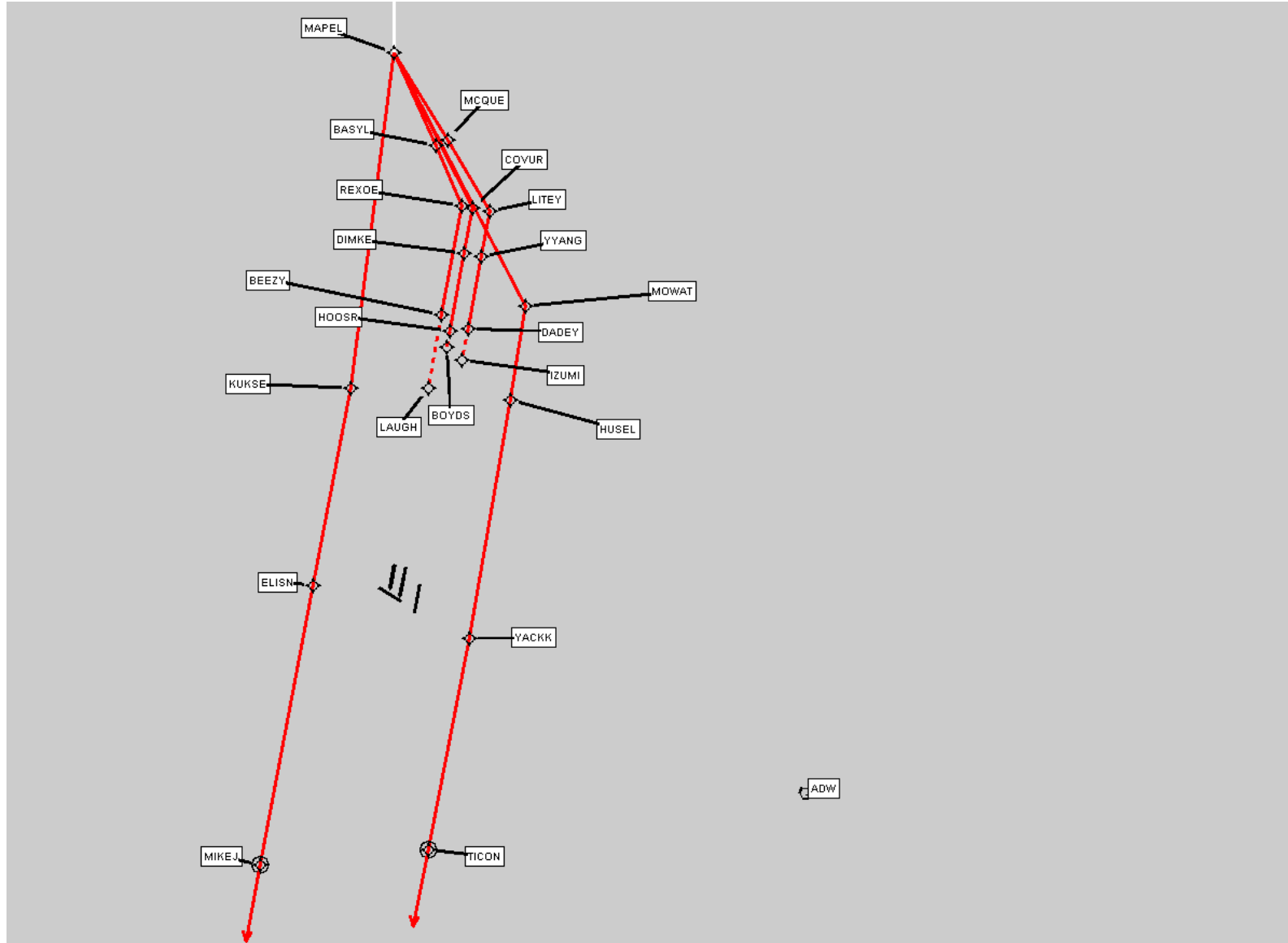
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
MAPEL (RNAV)	THREE	PRIVO.MAPEL3	TWO	01/05/2017	31 DEC 2020
Graphic Depiction 5					



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
MAPEL (RNAV)	THREE	PRIVO.MAPEL3	TWO	01/05/2017	31 DEC 2020
Graphic Depiction 6					





FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STAR (DATA RECORD)

Arrival Name MAPEL (RNAV)		Number THREE		STAR Computer Code PRIVO.MAPEL3		Superseded Number TWO		Dated 01/05/2017	Effective Date 31 DEC 2020
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
PSB VORTAC	405458.53N / 0775933.78W	Y		IF					PSB.MAPEL3
JARAF	403103.18N / 0775231.02W	Y	FB	TF	167.33	24.50			
PRIVO	400458.57N / 0774456.01W	Y	FB	TF	167.41	26.70			
En Route Transition									
WILSS	401633.51N / 0772910.74W	Y		IF					WILSS.MAPEL3
PRIVO	400458.57N / 0774456.01W	Y	FB	TF	226.30	16.73			
Common Route									
PRIVO	400458.57N / 0774456.01W	Y		IF					PRIVO.MAPEL3
DAFIX	395450.43N / 0774200.78W	Y	FB	TF	167.49	10.37	AT 12000		
OVIEE	394432.59N / 0773903.69W	Y	FB	TF	167.52	10.54	AT 10000	AT 250K	
MAPEL	393024.59N / 0773548.34W	Y	FB	TF	169.88	14.34	AT 7000		
Runway Transition									
MAPEL	393024.59N / 0773548.34W	Y		IF			AT 7000		
MOWAT	391557.60N / 0772136.60W	Y	FB	TF	142.60	18.15	AT 5000		
HUSEL	390951.60N / 0772127.60W	Y	FB	TF	178.90	06.10	AT 4000		
YACKK	385428.80N / 0772125.20W	Y	FB	TF	179.88	15.37			
TICON	384045.60N / 0772142.60W	Y	FO	TF	180.95	13.71			
KIAD:RWY 01C, 01R				FM	180.95				
Runway Transition									
MAPEL	393024.59N / 0773548.34W	Y		IF			AT 7000		
KUKSE	390850.86N / 0773428.65W	Y	FB	TF	177.25	21.57	AT 5000		
ELISN	385604.35N / 0773447.64W	Y	FB	TF	181.11	12.77			

QUALITY  
16  
CHECKED

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STAR (DATA RECORD)

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
MAPEL (RNAV)	THREE	PRIVO.MAPEL3	TWO	01/05/2017	31 DEC 2020

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
MIKEJ	383757.45N / 0773500.92W	Y	FO	TF	180.55	18.10			
KIAD:RWY 01L				FM	180.55				

<b>Runway Transition</b>									
MAPEL	393024.59N / 0773548.34W	Y		IF			AT 7000		
COVUR	392132.66N / 0772712.49W	Y	FB	TF	143.01	11.08	AT 7000		
DIMKE	391832.78N / 0772715.78W	Y	FB	TF	180.81	03.00			
HOOSR	391334.29N / 0772720.15W	Y	FB	TF	180.65	04.97	AT/ABOVE 5000		
<b>KIAD:RWY 19C</b>									

<b>Runway Transition</b>									
MAPEL	393024.59N / 0773548.34W	Y		IF			AT 7000		
MCQUE	392529.30N / 0773014.07W	Y	FB	TF	138.71	06.54	AT/BELOW 5000		
LITEY	392131.86N / 0772547.63W	Y	FB	TF	138.93	05.24	AT 4000		
YYANG	391832.01N / 0772550.37W	Y	FB	TF	180.68	03.00	AT 4000		
DADEY	391352.68N / 0772554.59W	Y	FB	TF	180.67	04.65	AT/ABOVE 3000		
<b>KIAD:RWY 19L</b>									

<b>Runway Transition</b>									
MAPEL	393024.59N / 0773548.34W	Y		IF			AT 7000		
BASYL	392501.99N / 0773107.41W	Y	FB	TF	145.95	06.48	AT 6000		
REXOE	392133.17N / 0772807.54W	Y	FB	TF	146.23	04.18	AT 6000		
BEEZY	391425.81N / 0772813.81W	Y	FB	TF	180.65	07.12	AT/ABOVE 4000		
<b>KIAD:RWY 19R</b>									

