

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Arrival Name GRUUB (RNAV)	Number ONE	STAR Computer Code BRODE.GRUUB1	Superseded Number NONE	Dated	Effective Date 08 NOV 2018
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TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
BEVAN	BEVAN.GRUUB1	BEVAN	BEVAN						BETWEEN FL350 AND FL390
			GUSTR	177.05	59.23	FL190	9800	BETWEEN FL350 AND FL390	
			DAWNE	106.97	64.33	FL190	10400	AT/ABOVE FL190	
			BRODE	085.53	14.94	10000	5000	BETWEEN 12000 AND 15000	
CRUZR	CRUZR.GRUUB1	CRUZR	CRUZR						BETWEEN FL260 AND FL350
			TODME	218.94	43.52	FL190	9600	BETWEEN FL260 AND FL350	
			SLICK	217.82	26.00	FL190	2900	AT/ABOVE FL210	
			LAINN	217.16	06.54	12000	5000		
GUSTR	GUSTR.GRUUB1	GUSTR	BRODE	143.51	11.77	10000	6500	BETWEEN 12000 AND 15000	
			GUSTR					BETWEEN FL350 AND FL390	
			DAWNE	106.97	64.33	FL190	10400	AT/ABOVE FL190	
MEMRY	MEMRY.GRUUB1	MEMRY	BRODE	085.53	14.94	10000	5000	BETWEEN 12000 AND 15000	
			MEMRY					AT FL210	
			LAINN	143.25	22.97	12000	5900		
SPAIR	SPAIR.GRUUB1	SPAIR	BRODE	143.51	11.77	10000	6500	BETWEEN 12000 AND 15000	
			SPAIR					AT FL290	
			DAWNE	039.90	98.57	FL190	13200	AT/ABOVE FL190	
STOON	STOON.GRUUB1	STOON	BRODE	085.53	14.94	10000	5000	BETWEEN 12000 AND 15000	
			STOON					BETWEEN FL290 AND FL310	
			DAWNE	084.48	35.06	FL190	13500	AT/ABOVE FL190	
			BRODE	085.53	14.94	10000	5000	BETWEEN 12000 AND 15000	

ARRIVAL ROUTE DESCRIPTION:

FROM BRODE ON TRACK 085.97/11.00 TO CROSS GRUUB AT OR ABOVE 8000.

LANDING RWY 6: FROM GRUUB ON TRACK 107.44/8.06 TO CROSS RNICH BETWEEN 4500 AND 6000, THEN ON TRACK 102.53/6.59 TO CROSS SSNOW AT OR ABOVE 2500. EXPECT ILS Z OR LOC/DME RWY 6 APPROACH.



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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
GRUUB (RNAV)	ONE	BRODE.GRUUB1	NONE		08 NOV 2018

PROCEDURAL DATA NOTES:

- NOTE: RADAR REQUIRED
- NOTE: RNAV 1
- NOTE: GPS REQUIRED
- NOTE: MILITARY USE ONLY.

FIXES AND/OR HOLDING PATTERNS:

COMMUNICATIONS:

ATIS, ANCHORAGE APP CON, ANCHORAGE CENTER 125.7 379.1 (AT SPAIR) 125.55 254.3 (AT ALL OTHER GATES), ELMENDORF TOWER, GND CON

AIRPORTS SERVED:

ELMENDORF AFB, ANCHORAGE, AK (PAED)

LOST COMMUNICATIONS PROCEDURE:

REMARKS:

ADDITIONAL FLIGHT DATA:

- DME/DME ASSESSMENT: NOT CONDUCTED
- REFERENCE MAGNETIC VARIATION = PAED 18E/2015.
- CHART AT SSNOW TERMINUS: PAED LDG RWY 06.
- CHART FOX ATCAA, SUSITNA ATCAA, STONY ATCAA, NAKNEK ATCAA.

FLIGHT INSPECTED BY:

WILLIAM R GEISER
 Name

FICO
 Organization

4/6/18
 Date

Digitally signed by
CASIMIR L TABAKA
 Aug 24, 2018
 Signature

DEVELOPED BY:

Steve Kessler, Support Manager for Airspace and Procedures
 Name

Anchorage ARTCC
 Organization

11-06-2017
 Date

Digitally signed by
CASIMIR L TABAKA
 Feb 12, 2018
 Signature

APPROVED BY:

MARLON J. ROBINSON, MANAGER
 Name

AJV-5440
 Organization

Digitally signed by
CASIMIR L TABAKA
 Aug 29, 2018
 Signature

CHANGES - REASONS:



FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 STAR (DATA RECORD)

Arrival Name GRUUB (RNAV)	Number ONE	STAR Computer Code BRODE.GRUUB1	Superseded Number ORIG	Dated	Effective Date 08 NOV 2018
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
BEVAN	630210.35N / 1524349.87W	Y		IF			FL350BFL390		BEVAN.GRUUB1
GUSTR	620504.60N / 1531632.49W	Y	FB	TF	195.05	59.23	FL350BFL390		
DAWNE	612734.33N / 1512640.92W	Y	FB	TF	124.97	64.33	AT/ABOVE FL190		
BRODE	612401.86N / 1505628.19W	Y	FB	TF	103.53	14.94	12000B15000		
En Route Transition									
CRUZR	621737.27N / 1485049.55W	Y		IF			FL260BFL350		CRUZR.GRUUB1
TODME	615335.40N / 1500754.60W	Y	FB	TF	236.94	43.52	FL260BFL350		
SLICK	613854.06N / 1505300.33W	Y	FB	TF	235.82	26.00	AT/ABOVE FL210		
LAINN	613510.05N / 1510414.18W	Y	FB	TF	235.16	06.54			
BRODE	612401.86N / 1505628.19W	Y	FB	TF	161.51	11.77	12000B15000		
En Route Transition									
GUSTR	620504.60N / 1531632.49W	Y		IF			FL350BFL390		GUSTR.GRUUB1
DAWNE	612734.33N / 1512640.92W	Y	FB	TF	124.97	64.33	AT/ABOVE FL190		
BRODE	612401.86N / 1505628.19W	Y	FB	TF	103.53	14.94	12000B15000		
En Route Transition									
MEMRY	615652.36N / 1511941.33W	Y		IF			AT FL210		MEMRY.GRUUB1
LAINN	613510.05N / 1510414.18W	Y	FB	TF	161.25	22.97			
BRODE	612401.86N / 1505628.19W	Y	FB	TF	161.51	11.77	12000B15000		
En Route Transition									
SPAIR	603710.70N / 1542043.99W	Y		IF			AT FL290		SPAIR.GRUUB1
DAWNE	612734.33N / 1512640.92W	Y	FB	TF	057.90	98.57	AT/ABOVE FL190		
BRODE	612401.86N / 1505628.19W	Y	FB	TF	103.53	14.94	12000B15000		

QUALITY
17
CHECKED

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
STOON	613526.45N / 1523801.12W	Y		IF			FL290BFL310		STOON.GRUUB1
DAWNE	612734.33N / 1512640.92W	Y	FB	TF	102.48	35.06	AT/ABOVE FL190		
BRODE	612401.86N / 1505628.19W	Y	FB	TF	103.53	14.94	12000B15000		
Common Route									
BRODE	612401.86N / 1505628.19W	Y		IF			12000B15000		BRODE.GRUUB1
GRUUB	612121.15N / 1503417.94W	Y	FB	TF	103.97	11.00	AT/ABOVE 8000		
Runway Transition									
GRUUB	612121.15N / 1503417.94W	Y		IF			AT/ABOVE 8000		
RNICH	611640.92N / 1502042.00W	Y	FB	TF	125.44	08.06	4500B6000		
SSNOW	611320.10N / 1500857.51W	Y	FB	TF	120.53	06.59	AT/ABOVE 2500		
PAED:RWY 6									

