

NUMBER	ARIP	ARCP	NAVIGATION CHECK POINTS	EXIT	CR PLAN	REFUELING ALTITUDES	SCHEDULING UNIT	ASSIGNED ARTCC
AR455 (East)	PXV VORTAC 080/10 N37°56.92' W87°33.50'	IJU VORTAC 130/30 N37°46.50' W85°06.25'	HVQ VORTAC 241/81 N37°38.00' W83°12.75'	BKW VORTAC 234/27 N37°28.50' W81°32.42'	a. 336.100 b. 291.900 c. N/R d. N/R e. 29/92	FL250/FL270	552OSS/OSOS Tinker AFB, OK DSN 884-1203/1204 C405-734-1203/1204	Indianapolis ARCP-293.22E EXIT-290.55E
(West)	BKW VORTAC 234/27 N37°28.50' W81°32.42'	HVQ VORTAC 235/72 N37°36.18' W82°58.27'	BWG VORTAC 036/68 N37°49.23' W85°33.72'	PXV VORTAC 080/10 N37°56.92' W87°33.50'				Indianapolis ARCP-290.55W EXIT-377.12W
REMARKS: Closed daily from 1400-1500Z++, 1800-1900Z++ and 2359-0059Z+++. Normal scheduling will be accomplished through MASMS. Note: 552 OSS/OSOS retains exclusive bump privileges.								
AR462	SAC VORTAC 019/50 N39°07.00' W120°55.00'	FMG VORTAC 267/38 N39°40.00' W120°27.00'	FMG VORTAC 353/81 N40°52.00' W119°23.00'	BAM VORTAC 317/62 N41°30.00' W117°30.00'	a. 318.000 b. 384.600 c. N/R d. N/R e. 29/92	FL240/FL260	60OSS/OSO Travis AFB, CA DSN 837-7151 C707-424-7151	Oakland ARCP-134.97E/379.2 E EXIT-132.25E/352.0E
REMARKS: None								
AR505 (East)	BET VORTAC 023/85 N61°54.08' W160°01.32'	MCG VORTAC 255/48 N63°00.00' W157°22.00'	MCG VORTAC 321/36 N63°31.00' W156°05.00'	FYU VORTAC 230/44 N66°19.00' W147°00.00'	a. 315.900 b. 265.700 c. N/R d. N/R e. 52/115	FL210/FL230 FL240/FL260	168ARS/DOO Eielson AFB, AK DSN 317-377-8812 (After duty hours 317-377-8800) C907-377-8812	Anchorage ARCP-353.8E/128.1E EXIT-285.4E/133.1E ARIP-372.0E/125.2E
(West)	FYU VORTAC 230/44 N66°19.00' W147°00.00'	ENN VORTAC 305/58 N65°23.00' W150°23.00'	MCG VORTAC 321/36 N63°31.00' W156°05.00'	BET VORTAC 023/85 N61°54.00' W160°00.00'				Anchorage ARCP-285.4W/133.1 W EXIT-353.8W/128.1W ARIP-284.7W/135.0W
REMARKS: Weather briefing support agencies should request mission forecast support from 170WS at DSN 315-449-7924 at least 8 hours prior to mission brief time.								

NUMBER	NAVIGATION		SCHEDULING		REFUELING		ASSIGNED	
	ARIP	ARCP	CHECK POINTS	EXIT	CR PLAN	ALTITUDES	UNIT	ARTCC
AR506 (North)	ORT VORTAC 150/118	ORT VORTAC 194/24	ORT VORTAC 296/48	ORT VORTAC 157/121	a. 288.800 b. 265.700	FL240/FL310	168ARS/DOO Eielson AFB, AK	Anchorage ARCP-323.0W/127.1
ALASKA	N61°00.00' W141°30.00'	N62°38.00' W142°27.00'	N63°33.56' W143°03.48' ORT VORTAC 280/57 N63°27.59' W143°40.11'	N60°56.00' W142°01.00'	c. N/R d. N/R e. 30/93		DSN 317-377-8812 (After hours 317-377-8800) C907-377-8812	W EXIT-323.0W/127.1W
(South)	ORT VORTAC 280/57	ORT VORTAC 177/61	ORT VORTAC 157/121	ORT VORTAC 296/48				Anchorage ARCP-323.0E/127.1E
	N63°27.59' W143°40.11'	N62°00.00' W142°41.00'	N60°56.00' W142°01.00'	N63°33.56' W143°03.48'				EXIT-323.0E/263.1E/ 127.1E/119.0E
AR507 (East)	YAK VOR-DME 196/91	BKA VORTAC 265/110	BKA VORTAC 225/52	BKA VORTAC 141/92	a. 270.025 b. 265.700	FL240/FL270	168ARS/DOO Eielson AFB, AK	Anchorage ARCP-323.25
ALASKA	N58°16.00' W141°20.00'	N57°16.47' W138°49.00'	N56°29.00' W136°57.50'	N55°25.00' W134°40.00'	c. N/R d. N/R e. 31/94		DSN 317-377-8812 (After hours 317-377-8800) C907-377-8812 (After hours 907-377-8800)	ARCP-120.55 ARCP(S)-279.55 ARCP(S)-124.05 EXIT-323.25 EXIT-120.55
(West)	BKA VORTAC 141/92	BKA VORTAC 225/52	BKA VORTAC 265/110	YAK VOR-DME 196/91				Anchorage ARCP-323.25
	N55°25.00' W134°40.00'	N56°29.00' W136°57.50'	N57°16.47' W138°49.00'	N58°16.00' W141°20.00'				ARCP-120.55 EXIT-323.25 EXIT-120.55 EXIT(S)-279.55 EXIT(S)-124.05

REMARKS: Refueling restricted to three flight levels. Weather briefing support agencies should request mission forecast support from 17OWS at DSN 315-449-7924 at least 8 hours prior to mission brief time.

REMARKS: Times as coordinated with ARTCC. Weather briefing support agencies should request mission forecast support from 17OWS at DSN 315-449-7924 at least 8 hours prior to mission brief time.

NUMBER	ARIP	ARCP	NAVIGATION			EXIT	CR PLAN	REFUELING		SCHEDULING		ASSIGNED ARTCC
			CHECK POINTS	ARCP	ARCP			ALTITUDES	UNIT			
AR508E	N57°44.26' W174°10.08'	SPY NDB-DME N57°09.42'	SPY NDB-DME 078/78	SPY NDB-DME N56°57.26'	PDN NDB-DME N56°57.26'	a. 288.800 b. 265.700	FL240/FL290	168ARS/DOO	Anchorage ARCP-339.8E/119.1E			
ALASKA	HODDY W170°13.98'	W170°13.98'	N57°12.00' W167°50.00'	W158°38.85'	W158°38.85'	c. N/R d. N/R e. 30/93		Eielson AFB, AK DSN 317-377-8812 (After hours 317-377-8800) C907-377-8812/8800	/128.2E/338.3 EXIT-322.4E/125.45E /278.3E/118.5E			
REMARKS: Weather briefing support agencies should request mission forecast support from 17OWS at DSN 315-449-8333 at least 8 hours prior to mission brief time. SODAR authorized with AR508W when scheduled and coordinated with the 168 ARW and ATC.												
AR508W	PDN NDB-DME N56°57.26'	CDB VORTAC 004/117	CDB VORTAC 319/130	CDB VORTAC N57°44.26'	W174°10.08'	a. 288.800 b. 265.700	FL240/FL290	168ARS/DOO	Anchorage ARCP-322.4W/125.45			
ALASKA	W158°38.85'	N57°07.00' W161°40.00'	N57°11.00' W164°34.00'	HODDY	HODDY	c. N/R d. N/R e. 30/93		Eielson AFB, AK DSN 317-377-8812 (After hours 317-377-8800) C907-377-8812/8800	W/278.3W/118.5W EXIT-339.8W/119.1W /338.3W/128.2W			
REMARKS: Weather briefing support agencies should request mission forecast support from 17OWS at DSN 315-449-8333 at least 8 hours prior to mission brief time. SODAR authorized with AR508E when scheduled and coordinated with the 168 ARW and ATC.												
AR509	FAI VORTAC 260/55	GAL VOR-DME 060/70	GAL VOR-DME 305/15	ENN VORTAC 260/25	ENN VORTAC 260/25	a. 265.700 b. 270.000	FL240/FL260	168ARS/DOO	Anchorage ARCP-319.2/120.9			
ALASKA	N64°57.56' W150°07.72'	N64°58.55' W154°06.07'	N64°56.04' W157°08.33'	N64°39.97' W150°01.47'	N64°39.97' W150°01.47'	c. N/R d. N/R e. 50/113		Eielson AFB, AK DSN 317-377-8812/8800 C907-377-8812/8800	EXIT-319.2/120.9			
REMARKS: AR509 and AR505 will not be used simultaneously. Weather briefing support agencies should request mission forecast support from 17OWS at DSN 315-449-7924 at least 8 hours prior to mission brief time.												

REFUELING ANCHORS

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN					TIMES OF OPERATION
							MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT	ASSIGNED ARTCC		
AR600	CAE VORTAC 151/53 N33°05.85' W80°30.75'	CAE VORTAC 151/53 N33°05.85' W80°30.75'	CAE VORTAC 075/59 N34°08.42' W79°55.27'	CAE VORTAC 075/59 N34°08.42' W79°55.27'	CAE VORTAC 075/59 N34°08.42' W79°55.27' CAE VORTAC 059/45 N34°15.85' W80°17.70'	CAE VORTAC 059/14 N33°59.07' W80°49.12'	a. 348.900 b. 319.700 c. N/R d. N/R e. 30/93	FL240/FL280 or as assigned by ATC 3000' required.	20OSS/OSOS Shaw AFB, SC DSN 965-1118	Jacksonville ARCP-319.2 EXIT-319.2	Authorized all times except 1400-1600Z++.	

ATC ASSIGNED AIRSPACE: N33°49.83' W80°58.58' to N34°25.00' W80°19.00' to N34°47.33' W79°50.00' to N34°26.00' W79°20.50' to N33°26.00' W79°58.00' to N33°05.00' W80°20.50' to N33°05.00' W81°00.00' to beginning.

REMARKS: Jacksonville ARTCC radar must be operational. The scheduling unit (20 OSS/OSOS) will resolve confictions with AR207. Simultaneous use of AR600 and AR207 is prohibited. User contact scheduling unit during normal duty hours, 1230-2130Z++, Mon-Fri, except holidays.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR601	ILM VORTAC 218/36 N33°50.00' W78°15.00'	ILM VORTAC 218/36 N33°50.00' W78°15.00'	ILM VORTAC 218/110 N32°46.00' W78°59.00'	ILM VORTAC 218/110 N32°46.00' W78°59.00' ILM VORTAC 208/108 N32°40.00' W78°38.00' ILM VORTAC 207/58 N33°26.00' W78°16.00' ILM VORTAC 225/61 N33°33.00' W78°37.00'	CHS VORTAC 094/34 ① N32°54.00' W79°22.00'	a. 283.900 b. 319.700 c. N/R d. N/R e. 33/96	16000/FL260 Shaw AFB, SC as assigned by DSN 965-1118 ATC 3000' required	20O55/OSOS	Jacksonville ARCP-381.4 EXIT-381.4	Unlimited

ATC ASSIGNED AIRSPACE: N32°51.00' W79°23.00' to N32°59.00' W79°18.00' to N33°11.00' W79°06.00' to N33°17.00' W79°04.00' to N33°20.00' W79°02.00' to N33°28.00' W78°55.00' to N33°40.00' W78°40.00' to N33°50.00' W78°24.00' to N33°50.00' W78°09.00' to N32°55.00' W78°04.00' to N32°31.00' W78°09.00' to N32°20.00' W78°36.00' to N32°34.00' W79°22.00' to beginning.

REMARKS: Jacksonville ARTCC radar must be operational. Expect FL 240 and above for normal operations. Operations FL 230 and below will be approved on an individual basis. User contact scheduling unit during normal duty hours, 1230-2130Z++ Mon-Fri, except holidays.

① Or as directed by ATC

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN				TIMES OF OPERATION	
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT	ASSIGNED ARTCC		
AR602	TXO VORTAC	TXO VORTAC	TXO VORTAC	TXO VORTAC	TXO VORTAC	a. 295.400	09000/17000	27thSOAOS/DOOS	CANNON AFB	Unlimited as coordinated with the scheduling activity and upon request and approval by ATC.	
	215/51	215/51	279/36	279/36	298/44	b. 319.500		Cannon AFB, NM	RAPCON		
	N33°54.00'	N33°54.00'	N34°42.00'	N34°42.00'	N34°57.60'	c. N/R		DSN 681-2276/7634	ARCP-352.1		
	W103°34.00'	W103°34.00'	W103°32.00'	W103°32.00'	W103°31.70'	d. N/R		C575-784-2276/7634	EXIT-352.1		
	TXO VORTAC	TXO VORTAC	TXO VORTAC	TXO VORTAC	TXO VORTAC	e. 30/93					
	323/33	323/33	212/23	297/20	200/35						
	N34°59.00'	N34°59.00'	N34°12.70'	N34°41.80'	N34°00.10'						
	W103°07.90'	W103°07.90'	W103°09.70'	W103°09.00'	W103°12.00'						
				TXO VORTAC							
				212/23							
			N34°12.70'								
			W103°09.70'								
			TXO VORTAC								
			234/39								
			N34°13.10'								
			W103°32.70'								

ATC ASSIGNED AIRSPACE: N34°55.70' W103°08.00' to N34°45.80' W103°05.00' to N34°09.00' W103°10.00' to N33°58.00' W103°33.90' to N34°05.00' W103°36.30' to N34°45.80' W103°36.35' to N34°55.70' W103°32.70' to beginning.

REMARKS: Right hand patterns. Anchor intended for use by 27 SOW aircraft and supporting tankers only. Other aircraft permitted on non-interference basis. Be advised of Wind Turbine Farm North of ATCAA. Air refueling operations will be controlled by Cannon AFB RAPCON. If Cannon RAPCON's RADAR is out of service, Albuquerque ARTCC may control AR operations in accordance with procedures stipulated in the Albuquerque ARTCC/27 SOW LOA. Do NOT hold at North ARIP due to airspace boundary proximity. Supporting ATCAA available upon pilot request and ATC approval. Be alert for strong westerly winds.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ARTCC	TIMES OF OPERATION	
						MILITARY REFUELING RADAR ALTITUDES	SCHEDULING UNIT	ASSIGNED			
AR603	DRK VORTAC	EED VORTAC	PXR VORTAC	PXR VORTAC	DRK VORTAC	a. 238.900	FL240/FL280	56RMO/AROS	Albuquerque	Unlimited	
	243/27	114/35	301/97	301/97	243/27	b. 319.500	Luke AFB, AZ		ARCP-285.4		
	N34°35.75'	N34°24.00'	N34°31.05'	N34°31.05'	N34°35.75'	c. N/R		DSN 896-7654	EXIT-285.4		
	W113°00.67'	W113°55.75'	W113°24.62'	W113°24.62'	W113°00.67'	d. N/R		C623-856-7654			
	PXR VORTAC	PXR VORTAC	EED VORTAC	EED VORTAC	PXR VORTAC	e. 51/114					
	306/15	307/20	114/101	114/51	267/33						
	N33°36.83'	N33°41.25'	N33°41.68'	N34°13.65'	N33°31.00'	O'Grady					
	W112°09.83'	W112°14.00'	W112°54.33'	W113°40.60'	W112°37.67'	Primary					
				EED VORTAC		321.2 Sec-					
				114/101		ondary					
			N33°41.68'		286.2 or as						
			W112°54.33'		assigned						
			PXR VORTAC								
			303/47								
			N33°58.93'								
			W112°38.65'								

ATC ASSIGNED AIRSPACE: N34°40.00' W114°00.00' to N34°39.42' W113°04.25' to N33°38.58' W112°09.17' to N33°31.00' W112°15.00' to N33°31.00' W112°48.25' to N33°56.67' W114°00.00' to beginning.

REMARKS: Military radar and/or Albuquerque ARTCC radar must be operational. Anticipate encountering strong northerly winds while refueling. 56 RMO/AROS (Sked unit) shall not schedule the use of AR603 when the Gladden/Bagdad MOA's are in use.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ARTCC	TIMES OF OPERATION	
						MILITARY REFUELING RADAR ALTITUDES	SCHEDULING UNIT	ASSIGNED			
AR604	LWT VOR-DME	LWT VOR-DME	LWT VOR-DME	LWT VOR-DME	LWT VOR-DME	a. 276.500	FL200/FL330	120FW	Salt Lake City	Unlimited	
	335/88	335/88	023/112	023/112	029/122	b. 292.600	Great Falls IAP, MT		ARCP-285.4		
	N48°30.00'	N48°30.00'	N48°30.00'	N48°30.00'	N48°30.00'	c. N/R	or as assigned	DSN 791-0186	EXIT-285.4		
	W110°00.00'	W110°00.00'	W107°52.00'	W107°52.00'	W107°29.00'	d. N/R	by ATC 3000'	C406-791-0186			
	LWT VOR-DME	LWT VOR-DME	LWT VOR-DME	LWT VOR-DME	LWT VOR-DME	e. 51/114	required				
	029/150	029/150	355/109	018/128	345/107						
	N48°50.00'	N48°50.00'	N48°50.00'	N48°50.00'	N48°50.00'	Big Foot					
	W107°00.00'	N48°50.00'	W109°08.00'	W107°52.00'	W109°35.00'	Primary					
		W107°00.00'		LWT VOR-DME		238.4 Sec-					
				355/109		ondary					
			N48°50.00'		260.8						
			W109°08.00'								
			LWT VOR-DME								
			357/89								
			N48°30.00'								
			W109°08.00'								

ATC ASSIGNED AIRSPACE: Anchor is contained within the "Bearpaw" ATCAA N49°00.00' W110°00.00' to N49°00.00' W107°00.00' to N47°30.00' W107°00.00' to N47°30.00' W110°00.00' to beginning.

REMARKS: Military radar and/or Salt Lake City ARTCC must be operational to conduct air refueling.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT	
ARTCC	ASSIGNED ARTCC	REFUELING ALTITUDES	SCHEDULING UNIT	ASSIGNED ARTCC	ARTCC	ARTCC	ARTCC	ARTCC	ARTCC
AR606	RDR TACAN 234/30 N47°42.00' W98°03.00'	RDR TACAN 240/37 N47°42.00' W98°15.00'	MIB TACAN 127/65 N47°40.00' W100°13.00'	MIB TACAN 127/65 N47°40.00' W100°13.00'	RDR TACAN 191/36 N47°23.00' W97°40.00'	FL240/FL270 or as assigned by ATC 3000' required	119 WG, FARGO, ND DSN 362-8508 C701-451-2508	Minneapolis ARCP-270.3 EXIT-270.3	Unlimited
	MIB TACAN 152/71 N47°19.00' W100°45.00'	MIB TACAN 146/74 N47°19.00' W100°32.00'	RDR TACAN 228/59 N47°22.00' W98°34.00'	MIB TACAN 137/80 N47°20.00' W100°12.00'	MIB TACAN 149/51 N47°38.00' W100°51.00'	Big Foot AICC 364.2 or as assigned by ATC			
			RDR TACAN 228/59 N47°22.00' W98°34.00'	RDR TACAN 247/50 N47°42.00' W98°35.00'					
ATC ASSIGNED AIRSPACE: "Red River" N48°00.00' W101°00.00' to N48°00.00' W99°50.00' to N47°56.00' W98°11.00' to N47°38.00' W98°02.00' to N47°21.00' W97°38.00' to N47°00.00' W97°37.00' to N47°05.00' W99°39.00' to N47°05.00' W99°39.00' to N47°05.00' W100°37.00' to beginning. ATCAA is divided into east and west subdivisions on a line N48°00.00' W99°50.00' (North) and N47°05.00' W99°39.00' (South).									
REMARKS: Military radar and/or Minneapolis ARTCC radar must be operational to conduct air refueling.									
AR607	DLH VORTAC 105/35 N46°36.00' W91°25.00'	IWD VORTAC 222/22 N46°16.00' W90°29.00'	IWD VORTAC 112/60 N46°08.00' W88°48.00'	IWD VORTAC 112/60 N46°08.00' W88°48.00'	DLH VORTAC 105/35 N46°36.00' W91°25.00'	FL180 and above	148FG/DOS Duluth, MN DSN 825-7268	Minneapolis ARCP-269.0 EXIT-269.0	Unlimited
	DLH VORTAC 116/91 N46°00.00' W90°20.00'	IWD VORTAC 090/58 N46°30.00' W88°43.00'	IWD VORTAC 297/13 N46°38.00' W90°24.00'	IWD VORTAC 095/89 N46°21.00' W88°00.00'	DLH VORTAC 116/91 N46°00.00' W90°20.00'	Huntress Primary 364.2 as directed by military radar			
	IWD VORTAC 095/89 N46°21.00' W88°00.00'	IWD VORTAC 108/94 N46°00.00' W88°00.00'	IWD VORTAC 222/22 N46°16.00' W90°29.00'	IWD VORTAC 108/94 N46°00.00' W88°00.00'					
ATC ASSIGNED AIRSPACE: Rhineland Bravo N46°00.00' W88°00.00' to N46°44.00' W88°00.00' to N46°55.00' W89°28.00' to N46°55.00' W90°05.00' to N47°05.00' W90°05.00' to N47°05.00' W90°45.00' to N47°00.00' W91°00.00' to N47°00.00' W91°25.00' to N46°36.00' W91°25.00' to N46°00.00' W90°20.00' to beginning.									
REMARKS: Military radar or Minneapolis ARTCC radar must be operational to conduct air refueling.									

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ARTCC	TIMES OF OPERATION
							MILITARY REFUELING RADAR ALTITUDES	SCHEDULING UNIT	ASSIGNED		
AR608	LFV VOR-DME	LFV VOR-DME	LFV VOR-DME	LFV VOR-DME	LFV VOR-DME	LFV VOR-DME	a. 343.500	FL180/FL230	NEADS/DOA	Boston	Unlimited
	151/51	151/51	115/106	115/106	115/106	125/43	b. 282.700	Rome, NY	ARCP-307.3		
	N41°25.00'	N41°25.00'	N41°43.00'	N41°43.00'	N41°43.00'	N41°47.00'	c. N/R	DSN 587-6247	EXIT-307.3		
	W69°14.00'	W69°14.00'	W67°42.00'	W67°42.00'	W67°42.00'	W69°08.00'	d. N/R				
					LFV VOR-DME		e. 32/95				
					105/99						
					N42°02.00'						
					W67°49.00'						
					LFV VOR-DME						
					118/51						
				N41°50.00'							
				W68°55.00'							
				LFV VOR-DME							
				135/64							
				N41°30.00'							
				W68°48.00'							
<p>ATC ASSIGNED AIRSPACE: N41°25.00' W69°30.00' to N41°21.00' W68°27.50' to N41°52.00' W67°00.00' to N42°38.00' W67°00.00' to N42°20.00' W68°15.00' to N42°08.00' W68°30.00' to N41°48.00' W69°30.00' to beginning.</p>											
<p>REMARKS: Boston ARTCC radar must be operational.</p>											
AR609	SYR VORTAC	SYR VORTAC	SYR VORTAC	SYR VORTAC	SYR VORTAC	GFL VORTAC	a. 276.500	FL180/FL280	NEADS/DOA	Boston	Unlimited
	087/75	045/19	087/75	087/75	087/75	299/22	b. 282.700	Rome, NY	ARCP-323.0		
	N43°27.00'	N43°25.00'	N43°27.00'	N43°27.00'	N43°27.00'	N43°26.00'	c. N/R	4000' required	EXIT-323.0		
	W74°33.00'	W75°58.00'	W74°33.00'	W74°33.00'	W74°33.00'	W74°06.00'	d. N/R				
					SYR VORTAC		e. 52/115				
					073/81						
					N43°47.00'						
					W74°33.00'						
					SYR VORTAC						
					048/46						
				N43°46.00'							
				W75°34.00'							
				SYR VORTAC							
				070/32							
				N43°26.00'							
				W75°34.00'							
<p>ATC ASSIGNED AIRSPACE: N43°26.00' W74°06.00' to N43°24.00' W74°22.00' to N43°21.00' W76°04.00' to N43°45.00' W76°02.00' to N43°51.00' W75°58.00' to N43°54.00' W75°47.00' to N43°53.50' W74°09.35' to beginning.</p>											
<p>REMARKS: Anchor area is located within the AKS 2 and 5 ATCAAs. Boston ARTCC radar must be operational.</p>											

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
							MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR610A	DLN VOR-DME 284/68 N45°50.00' W113°55.50'	DLN VOR-DME 284/68 N45°50.00' W113°55.50'	DLN VOR-DME N45°14.91' W112°32.83'	DLN VOR-DME N45°14.91' W112°32.83'	DLN VOR-DME N45°14.91' W112°32.83'	DLN VOR-DME 103/17 N45°06.00' W112°12.00'	a. 295.400 b. 292.600 c. N/R d. N/R e. 52/115	FL190/FL260	120FWANG Great Falls, MT DSN 791-0186/0192 C406-791-0186/0192	Salt Lake City ARCP-338.3 EXIT-338.3	Unlimited
ATC ASSIGNED AIRSPACE: N45°01.50' W112°15.70' to N45°26.00' W111°54.00' to N46°10.50' W113°37.50' to N45°46.90' W113°58.00' to beginning.											
REMARKS: None											
AR610B	DLN VOR-DME 051/26 N45°24.00' W111°59.00'	DLN VOR-DME 051/26 N45°24.00' W111°59.00'	DLN VOR-DME 307/55 N45°59.90' W113°17.80'	DLN VOR-DME 307/55 N45°59.90' W113°17.80'	DLN VOR-DME 307/55 N45°59.90' W113°17.80'	DLN VOR-DME 300/71 N46°06.90' W113°41.00'	a. 295.400 b. 292.600 c. N/R d. N/R e. 52/115	FL190/FL260	120FWANG Great Falls, MT DSN 791-0186/0192 C406-791-0186/0192	Salt Lake City ARCP-338.3 EXIT-338.3	Unlimited
ATC ASSIGNED AIRSPACE: N45°01.50' W112°15.70' to N45°26.00' W111°54.00' to N46°10.50' W113°37.50' to N45°46.90' W113°58.00' to beginning.											
REMARKS: None											

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR611A	BAM VORTAC	BAM VORTAC	BAM VORTAC	BAM VORTAC	BAM VORTAC	a. 255.750	FL190/FL260	366OSS/OSOS	Salt Lake City	Unlimited
	284/100	284/100	284/36	284/36	297/103	b. 275.950		Mt Home AFB, ID	ARCP-380.05	
	N41°26.00'	N41°26.00'	N40°53.00'	N40°53.00'	N41°46.00'	c. N/R		DSN 728-2172	EXIT-380.05	
	W118°48.00'	W118°48.00'	W117°35.00'	W117°35.00'	W118°33.00'	d. N/R		C208-828-2172		
			BAM VORTAC	BAM VORTAC	BAM VORTAC	e. 55/118				
			316/42	316/42	284/20					
			N41°12.00'	N41°12.00'	N40°45.00'					
		W117°20.00'	W117°20.00'	W117°18.00'						
		BAM VORTAC	BAM VORTAC	BAM VORTAC						
		299/88	299/88	299/88						
		N41°38.00'	N41°38.00'	W118°16.00'						
		W118°16.00'	W118°16.00'	BAM VORTAC						
		284/85	284/85	284/85						
		N41°19.00'	N41°19.00'	N40°45.00'						
		W118°31.00'	W118°31.00'	W117°18.00'						
		BAM VORTAC	BAM VORTAC	BAM VORTAC						
		284/36	284/36	284/36						
		N40°53.00'	N40°53.00'	N41°38.00'						
		W117°35.00'	W117°35.00'	BAM VORTAC						
		BAM VORTAC	BAM VORTAC	BAM VORTAC						
		316/42	316/42	316/42						
		N41°12.00'	N41°12.00'	N41°20.00'						
		W117°20.00'	W117°20.00'	W117°20.00'						

ATC ASSIGNED AIRSPACE: N40°41.00' W117°19.00' to N41°25.00' W118°54.00' to N41°50.00' W118°35.00' to N41°06.00' W116°58.00' to beginning.

REMARKS: None

AR611B	BAM VORTAC	BAM VORTAC	BAM VORTAC	BAM VORTAC	BAM VORTAC	a. 255.750	FL190/FL260	366OSS/OSOS	Salt Lake City	Unlimited
	332/30	332/30	299/88	299/88	297/103	b. 275.950		Mt Home AFB, ID	ARCP-380.05	
	N41°04.00'	N41°04.00'	N41°38.00'	N41°38.00'	N41°46.00'	c. N/R		DSN 728-2172	EXIT-380.05	
	W117°02.00'	W117°02.00'	W118°16.00'	W118°16.00'	W118°33.00'	d. N/R		C208-828-2172		
			BAM VORTAC	BAM VORTAC	BAM VORTAC	e. 55/118				
			284/85	284/85	284/20					
			N41°19.00'	N41°19.00'	N40°45.00'					
		W118°31.00'	W118°31.00'	W117°18.00'						
		BAM VORTAC	BAM VORTAC	BAM VORTAC						
		284/36	284/36	284/36						
		N40°53.00'	N40°53.00'	N41°38.00'						
		W117°35.00'	W117°35.00'	BAM VORTAC						
		BAM VORTAC	BAM VORTAC	BAM VORTAC						
		316/42	316/42	316/42						
		N41°12.00'	N41°12.00'	N41°20.00'						
		W117°20.00'	W117°20.00'	W117°20.00'						

ATC ASSIGNED AIRSPACE: N40°41.00' W117°19.00' to N41°25.00' W118°54.00' to N41°50.00' W118°35.00' to N41°06.00' W116°58.00' to beginning.

REMARKS: None

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION	
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT			
AR613	SSO VORTAC	SSO VORTAC	SSO VORTAC	SSO VORTAC	SSO VORTAC	a. 282.550	FL180/FL280	162 FW Arizona ANG,	Albuquerque	Unlimited	
	359/28	344/19	015/76	015/76	016/93	b. 319.500		162 OSS/OSOS, Tucson IAP, AZ	ARCP-327.15		
	N32°43.60'	N32°35.10'	N33°24.00'	N33°24.00'	N33°37.50'	c. N/R		DSN 844-6366/6109	EXIT-281.5		
	W109°08.88'	W109°16.90'	W108°33.50'	W108°33.50'	W108°22.00'	d. N/R		CC520-295-6366/6109	EXIT-317.15		
	SSO VORTAC	SSO VORTAC	SSO VORTAC	SSO VORTAC	SSO VORTAC	e. 32/95		9, Mon-Fri	Exit below		
	001/82	005/97	333/42	001/82	308/32				FL240 use		
	N33°35.50'	N33°49.00'	N32°56.50'	N33°35.50'	N32°41.00'				317.15, Exit		
	W108°52.50'	W108°40.00'	W109°28.00'	W108°52.50'	W109°39.50'				above FL240		
				SSO VORTAC							use 281.5.
				333/42							
			N32°56.50'								
			W109°28.00'								
			SSO VORTAC								
			359/28								
			N32°44.00'								
			W109°09.00'								
ATC ASSIGNED AIRSPACE: N32°30.03' W109°44.00' to N32°54.50' W109°34.00' to N33°54.67' W109°34.00' to N34°00.00' W108°48.00' to N33°54.00' W108°48.00' to N33°29.66' W108°07.33' to N32°28.25' W109°19.03' to beginning.											
REMARKS: Track lies within the Morenci and Reserve ATCAA. Receivers entering the airspace must maintain the last assigned altitude until radio contact is established with the tankers. Aircraft required to hold prior to refueling will do so on the SSO 003 radial between 33 and 43 DME, left turns (south entry), and on the SSO 358 radial between 71 and 81 DME, left turns (north entry). Tanker aircraft entering the anchor from the north shall enter via SJN direct to SSO 001/82 or TCS direct SSO 359/28, to avoid Cato MOA/ATCAA operations.											
AR614	JCT VORTAC	JCT VORTAC	COT VORTAC	COT VORTAC	COT VORTAC	a. 352.600	FL250/FL270	99FTS	Houston	Unlimited	
	155/30	155/30	336/20	336/20	N28°27.72'	b. 260.200		Randolph AFB, TX	ARCP-385.55		
	N30°07.00'	N30°07.00'	N28°47.50'	N28°47.50'	W99°07.11'	c. N/R	or as assigned	DSN 487-6746	EXIT-385.55		
	W99°39.00'	W99°39.00'	W99°13.00'	W99°13.00'	JCT VORTAC	d. N/R	by ATC	Mon-Fri			
			COT VORTAC	COT VORTAC	140/73	e. 30/93		C210-652-6746			
			020/29	020/29	N29°34.00'			Mon-Fri			
			N28°53.00'	N28°53.00'	W99°04.00'						
			W98°51.00'	W98°51.00'							
			JCT VORTAC	JCT VORTAC							
			140/73	140/73							
		N29°34.00'	N29°34.00'								
		W99°04.00'	W99°04.00'								
		JCT VORTAC	JCT VORTAC								
		156/71	156/71								
		N29°28.00'	N29°28.00'								
		W99°26.33'	W99°26.33'								
ATC ASSIGNED AIRSPACE: N29°44.00' W99°32.00' to N29°30.00' W99°32.00' to N28°41.50' W99°16.00' to N28°31.50' W99°08.00' to N28°37.00' W98°45.50' to N28°48.50' W98°44.50' to N29°38.00' W99°00.50' to N29°50.00' W99°09.00' to beginning.											
REMARKS: Houston ARTCC radar must be operational. T-1 flights may operate Monday thru Friday in AR614 at FL250B270.											

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
							MILITARY REFUELING RADAR ALTITUDES	SCHEDULING UNIT	REFUELING ALTITUDES		
AR615	AEX VORTAC 097/13 N31°13.00' W92°15.00'	AEX VORTAC 097/13 N31°13.00' W92°15.00'	AEX VORTAC 096/73 N31°03.00' W91°06.00'	AEX VORTAC 096/73 N31°03.00' W91°06.00'	AEX VORTAC 096/73 N31°03.00' W91°06.00'	AEX VORTAC 065/38 N31°29.50' W91°49.00'	a. 295.400 b. 260.200 c. N/R d. N/R e. 33/96	12000/16000	15OG/OGO Hurlburt Fld., FL DSN 579-7812/7813 C850-884-7812/7813	Houston ARCP	As coordinated with ARTCC
			N31°23.00'								
			W91°03.00'								
			AEX VORTAC								
			065/38								
			N31°29.50'								
			W91°49.00'								
			AEX VORTAC								
			096/33								
			N31°10.00'								
			W91°52.00'								

ATC ASSIGNED AIRSPACE: N31°14.00' W92°12.00' to N31°06.00' W91°53.00' to N30°59.00' W91°07.00' to N31°02.00' W90°47.00' to N31°19.00' W90°43.00' to N31°27.00' W91°02.00' to N31°34.00' W91°48.00' to N31°31.00' W92°09.00' to beginning.

REMARKS: Anchor and AR302 shall not be scheduled simultaneously.

AR616A	ENE VOR-DME 111/61 N43°21.00' W69°12.75'	ENE VOR-DME 111/61 N43°21.00' W69°12.75'	ENE VOR-DME 096/128 N43°48.00' W67°43.00'	ENE VOR-DME 096/128 N43°48.00' W67°43.00'	ENE VOR-DME 096/128 N43°48.00' W67°43.00'	ENE VOR-DME 089/66 N43°45.00' W69°10.00'	a. 283.900 b. 282.700 c. N/R d. N/R e. 33/96	FL180/FL230	NEADS/DOA Rome, NY DSN 587-6247	Boston ARCP-269.6 EXIT-269.6	Unlimited
			ENE VOR-DME								
			088/125								
			N44°04.00'								
			W67°52.50'								
			ENE VOR-DME								
			090/75								
			N43°46.50'								
			W68°58.00'								
			ENE VOR-DME								
			104/80								
			N43°28.67'								
			W68°46.67'								

ATC ASSIGNED AIRSPACE: N43°44.50' W69°21.00' to N44°17.00' W67°35.00' to N43°50.00' W67°19.00' to N43°17.50' W69°06.00' to beginning.

REMARKS: W102 High must be released to Boston ARTCC (Controlling Agency) during scheduled times of operation. Boston ARTCC radar must be operational.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
							MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR616B	ENE VOR-DME 085/141 N44°17.00' W67°35.00'	ENE VOR-DME 086/145 N44°14.50' W67°29.00'	ENE VOR-DME 090/75 N43°46.50' W68°58.00'	ENE VOR-DME 090/75 N43°46.50' W68°58.00'	ENE VOR-DME 090/75 N43°46.50' W68°58.00' ENE VOR-DME 104/80 N43°28.67' W68°46.67' ENE VOR-DME 096/128 N43°48.00' W67°43.00' ENE VOR-DME 088/125 N44°04.00' W67°52.50'	ENE VOR-DME 094/146 N43°55.00' W67°20.00'	a. 283.900 b. 282.700 c. N/R d. N/R e. 33/96	FL180/FL230	NEADS/DOA Rome, NY DSN 587-6247	Boston ARCP-269.6 EXIT-269.6	Unlimited

ATC ASSIGNED AIRSPACE: N43°44.50' W69°21.00' to N44°17.00' W67°35.00' to N43°50.00' W67°19.00' to N43°17.50' W69°06.00' to beginning.

REMARKS: Right hand pattern. W102 High must be released to Boston ARTCC (Controlling Agency) during scheduled times of operation. Boston ARTCC radar must be operational.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
							MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR617	EYW VORTAC	EYW VORTAC	EYW VORTAC	EYW VORTAC	EYW VORTAC	EYW VORTAC	a. 324.600	FL260/FL290	347 Rescue Wing, MacDill AFB, FL	Miami ARCP-281.4	Restricted from use
	084/20 ①	162/6	071/70	073/70	084/20 ①	b. 343.250					
	N24°37.00'	N24°29.00'	N24°56.00'	N24°56.00'	N24°37.00'		c. N/R	or as assigned	DSN 968-4641	EXIT-281.4	1700-2130Z++ daily.
	W81°26.00'	W81°46.00'	W80°35.00'	W80°35.00'	W81°26.00'		d. N/R	by ATC 4000'	C813-828-4641		
	EYW VORTAC		EYW VORTAC	EYW VORTAC	EYW VORTAC		e. 32/95	required			
	057/70 ①		057/70	057/70	057/70 ①						
	N25°12.00'		N25°12.00'	N25°12.00'	N25°12.00'						
	W80°43.00'		W80°43.00'	W80°43.00'	W80°43.00'						
	EYW VORTAC		EYW VORTAC	EYW VORTAC	EYW VORTAC						
	032/24		032/24	032/24	032/24 ①						
	N24°55.00'		N24°55.00'	N24°55.00'	N24°55.00'						
	W81°34.00'		W81°34.00'	W81°34.00'	W81°34.00'						
EYW VORTAC		EYW VORTAC	EYW VORTAC	EYW VORTAC							
162/6 ②		084/20	084/20	057/70 ②							
N24°29.00'		N24°37.00'	N24°37.00'	N25°12.00'							
W81°46.00'		W81°26.00'	W81°26.00'	W80°43.00'							
				EYW VORTAC							
				032/24 ②							
				N24°55.00'							
				W81°34.00'							
				EYW VORTAC							
				074/69 ②							
				N24°53.00'							
				W80°35.00'							

ATC ASSIGNED AIRSPACE: N24°55.00' W80°15.00' to N25°21.50' W80°25.50' to N24°54.00' W81°52.00' to N24°27.50' W81°42.00' to beginning.

REMARKS: Miami ARTCC radar must be operational. Anchor will not be used when AR638 is active.

① Tankers.

② Receivers.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
							MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR618	SRQ VOR-DME	SRQ VOR-DME	SRQ VOR-DME	SRQ VOR-DME	SRQ VOR-DME	SRQ VOR-DME	FL260/FL290	347 Rescue Wing,	Miami	Unlimited	
	164/84	164/84	212/87	212/87	179/96	179/96	MacDill AFB, FL	ARCP-363.1			
	N26°06.00'	N26°06.00'	N26°06.00'	N26°06.00'	N25°49.00'	N25°49.00'	or as assigned	EXIT-363.1			
	W82°00.00'	W82°00.00'	W83°17.00'	W83°17.00'	W82°22.00'	W82°22.00'	by ATC 4000'				
			SRQ VOR-DME	SRQ VOR-DME			required				
			207/105	207/105							
			N25°47.00'	N25°47.00'							
			W83°17.00'	W83°17.00'							
			SRQ VOR-DME	SRQ VOR-DME							
			179/96	179/96							
		N25°49.00'	N25°49.00'								
		W82°22.00'	W82°22.00'								
		SRQ VOR-DME	SRQ VOR-DME								
		177/79	177/79								
		N26°06.00'	N26°06.00'								
		W82°22.00'	W82°22.00'								
ATC ASSIGNED AIRSPACE: N26°10.00' W82°00.00' to N26°10.00' W83°36.00' to N25°42.00' W83°36.00' to N25°46.00' W82°00.00' to beginning.											
REMARKS: None											
AR619	HML VORTAC	HML VORTAC	HML VORTAC	HML VORTAC	HML VORTAC	HML VORTAC	FL240/FL260	119 WG, FARG, ND	Minneapolis	Unlimited	
	248/129	248/121	238/62	238/62	232/48	232/48	DSN 362-8508	ARCP-270.3			
	N48°21.00'	N48°22.00'	N48°27.10'	N48°27.10'	N48°29.00'	N48°29.00'	or as assigned	EXIT-270.3			
	W100°15.00'	W100°03.00'	W98°33.00'	W98°33.00'	W98°10.00'	W98°10.00'	by ATC				
	HML VORTAC	HML VORTAC	HML VORTAC	HML VORTAC	HML VORTAC	HML VORTAC					
	257/42	256/47	254/120	257/59	254/120	254/120					
	N48°49.00'	N48°48.10'	N48°35.00'	N48°47.10'	N48°35.00'	N48°35.00'					
	W98°10.00'	W98°17.10'	W100°07.00'	W98°36.00'	W100°07.00'	W100°07.00'					
			HML VORTAC	HML VORTAC							
			257/109	257/109							
		N48°42.10'	N48°42.10'								
		W99°51.00'	W99°51.00'								
		HML VORTAC	HML VORTAC								
		246/111	246/111								
		N48°22.10'	N48°22.10'								
		W99°48.00'	W99°48.00'								
ATC ASSIGNED AIRSPACE: "Tiger" N48°55.00' W100°15.00' to N48°55.00' W98°10.00' to N48°08.00' W98°10.00' to N48°17.00' W100°15.00' to beginning.											
REMARKS: Military radar or Minneapolis ARTCC radar must be operational to conduct refueling.											

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN		ARTCC	TIMES OF OPERATION
						MILITARY REFUELING RADAR ALTITUDES	SCHEDULING UNIT		
AR620	LAL VORTAC	LAL VORTAC	LAL VORTAC	LAL VORTAC	LAL VORTAC		FL190/FL220	Miami	Restrictions
	153/20 (1)	224/10	154/45	154/45	106/28 (1)	a. 238.900	347 Rescue Wing, MacDill AFB, FL	ARCP-349.0	schedule use
	N27°41.00'	N27°52.00'	N27°18.00'	N27°18.00'	N27°51.00'	c. N/R	or as assigned	EXIT-349.0	only
	W81°51.00'	W82°09.00'	W81°39.00'	W81°39.00'	W81°31.00'	d. N/R	by ATC 4000'		0000-0500Z++
	LAL VORTAC			LAL VORTAC	LAL VORTAC	e. 31/94	C813-828-4641 required		daily
	154/45 (1)		128/46	128/46	154/45 (1)				
	N27°18.00'		N27°30.00'	N27°30.00'	N27°18.00'				
	W81°39.00'		W81°21.00'	W81°21.00'	W81°39.00'				
	LAL VORTAC		LAL VORTAC	LAL VORTAC	LAL VORTAC				
224/10 (2)		106/28	106/28	106/28 (2)					
N27°52.00'		N27°51.00'	N27°51.00'	N27°51.00'					
W82°09.00'		W81°31.00'	W81°31.00'	W81°31.00'					
		LAL VORTAC	LAL VORTAC	LAL VORTAC					
		153/20	153/20	154/45 (2)					
		N27°41.00'	N27°41.00'	N27°18.00'					
		W81°51.00'	W81°51.00'	W81°39.00'					

ATC ASSIGNED AIRSPACE: N27°54.50' W82°03.50' to N27°01.75' W81°35.00' to N27°14.00' W81°06.50' to N28°07.00' W81°35.00' to beginning.

REMARKS: Miami ARTCC radar must be operational. Holding at ARIP for receivers not authorized, if holding necessary, proceed to LAL 154/45 for holding.

(1) Tankers. To be used only by MacDill based aircraft.

(2) Receivers. Placid MOA unusable refueling operations.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	MILITARY REFUELING RADAR ALTITUDES	SCHEDULING UNIT	ARTCC	TIMES OF OPERATION
AR621	PYE VOR-DME	PYE VOR-DME	PYE VOR-DME	PYE VOR-DME	PYE VOR-DME	FL190/FL250	FACSFAC, SD	Oakland	Unlimited
	273/33	273/33	273/103	273/103	244/42	a. 344.700	DSN 735-1757	ARCP-335.6	
	N38°16.00'	N38°16.00'	N38°39.00'	N38°39.00'	N37°58.00'	b. 319.500	C619-545-1757	EXIT-335.6	
	W123°32.00'	W123°32.00'	W124°56.00'	W124°56.00'	W123°44.50'	c. N/R			
	PYE VOR-DME		PYE VOR-DME	PYE VOR-DME	PYE VOR-DME	d. N/R			
	281/100		262/105	262/105	273/121	e. 29/92			
	N38°50.00'		N38°44.50'	N38°44.50'	N38°44.50'				
	W124°45.00'		W125°04.00'	W125°04.00'	W125°17.00'				
	PYE VOR-DME		PYE VOR-DME	PYE VOR-DME	PYE VOR-DME				
	257/101		253/57	253/57	253/57				
	N38°10.00'		N38°04.00'	N38°04.00'	N38°04.00'				
	W125°00.00'		W124°04.00'	W124°04.00'	W124°04.00'				
			PYE VOR-DME	PYE VOR-DME	PYE VOR-DME				
			273/54	273/54	273/54				
			N38°23.00'	N38°23.00'	N38°23.00'				
			W123°56.00'	W123°56.00'	W123°56.00'				

ATC ASSIGNED AIRSPACE: N38°21.50' W123°34.00' to N38°49.00' W125°15.00' to N38°22.00' W125°26.00' to N37°54.50' W123°46.00' to beginning.

REMARKS: (1) Do not file AR621 in route of flight on DD175. (Reference to AR621 should be noted in Remarks only). DD175 route of flight must reflect: a.-Last fix. b.-Direct OAK VORTAC 276/60. c.-Direct W260. d.-Delay time. e.-Direct OAK VORTAC 276/60. f.-Direct next fix. g.-Balance of route. (2) Random refueling in W260/W513 authorized when scheduled. (3) MRU service available when scheduled. Must be indicated in Remarks of DD175, Handoff to Big Foot, 364.2.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION	
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT			
AR622	RBL VORTAC	RBL VORTAC	RBL VORTAC	RBL VORTAC	RBL VORTAC	a. 336.525	FL240/FL310	60OSS/OSO	OAK		
	102/67	102/67	036/70	036/70	099/41	b. 327.425		Travis AFB, CA	ARCP-379.2		
	N39°32.00'	N39°32.00'	N40°47.00'	N40°47.00'	N39°47.00'	c. N/R		DSN 837-7151	EXIT-379.2		
	W121°00.00'	W121°00.00'	W121°00.00'	W121°00.00'	W121°27.00'	d. N/R		C707-424-7151			
	RBL VORTAC	RBL VORTAC	RBL VORTAC	RBL VORTAC	RBL VORTAC	e. 29/92					
	016/64	016/64	099/41	023/55	036/70						
	N40°59.00'	N40°59.00'	N39°47.00'	N40°47.00'	N40°47.00'						
	W121°27.00'	W121°27.00'	W121°27.00'	W121°27.00'	W121°00.00'						
				RBL VORTAC							
				099/41							

ATC ASSIGNED AIRSPACE: None.

REMARKS: AR622 Block altitudes are FL240-FL310. Travis will ensure de-confliction of AR Tracks 7A/B and AR622 during the track scheduling process. A minimum of 1000' separation between assigned AR block altitudes will be maintained.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	RADAR ALTITUDES	SCHEDULING UNIT	ASSIGNED ARTCC	TIMES OF OPERATION	CR PLAN
										MILITARY REFUELING
AR623	CIM VORTAC	CIM VORTAC	CIM VORTAC	CIM VORTAC	CIM VORTAC	FL190/FL220	7OSS/OSOS	Albuquerque	Unlimited	
	093/115 ①	093/115 ①	093/35 ①	273/28	273/28	a. 359.100 b. 319.500	Dyess AFB, TX	ARCP-285.47W		
	N35°56.00'	N35°56.00'	N36°20.00'	N36°37.00'	N36°37.00'	c. N/R	DSN 461-3665	ARCP-346.35E		
	W102°37.00'	W102°37.00'	W104°11.00'	W105°26.00'	W105°26.00'	d. N/R	C325-696-3665	EXIT-285.47E		
	CIM VORTAC	PNH VORTAC	PNH VORTAC	PNH VORTAC	PNH VORTAC	e. 29/92		EXIT-346.35W		
	093/35 ①	281/210 ②	282/130 ②	281/199	284/68			①		
	N36°20.00'	N36°19.00'	N35°57.00'	N36°16.00'	N35°39.00'			②		
	W104°11.00'	W105°48.00'	W104°12.00'	W105°34.00'	W102°59.00'					
	PNH VORTAC			PNH VORTAC						
	281/210 ②			284/68						
N36°19.00'			N35°39.00'							
W105°48.00'			W102°59.00'							
PNH VORTAC			CIM VORTAC							
282/130 ②			093/103							
N35°57.00'			N36°00.00'							
W104°12.00'			W102°51.00'							

ATC ASSIGNED AIRSPACE: N35°52.00' W102°32.00' to N35°57.00' W102°36.00' to N36°01.00' W102°42.00' to N36°04.00' W102°49.00' to N36°41.00' W105°25.00' to N36°42.00' W105°33.00' to N36°42.00' W105°41.00' to N36°39.00' W105°48.00' to N36°23.00' W105°53.00' to N36°19.00' W105°48.00' to N36°15.00' W105°42.00' to N36°12.00' W105°35.00' to N35°35.00' W103°00.00' to N35°34.00' W102°53.00' to N35°35.00' W102°45.00' to N35°36.00' W102°38.00' to beginning.

REMARKS: Contact Cannon AFB via direct or via CSE to schedule Mt. Dora MOA/ATCAA in conjunction with AR623. Intended for use by B-1 aircraft and support tankers. Other aircraft permitted on non-interference basis. The 7 BW retains preemption authority. Anchor Pattern turns are planned at a 15 deg bank angle (11 NM radius). Pattern Length: 130 NM; Width: 22 NM. For the purpose of separation between participating and non-participating act, ATC shall regard AR623 as a linear refueling track unless the pilot specifically requests AR623 as an anchor track prior to entering assigned airspace.

① Westbound (North) leg: Tanker holding point is CIM 093/35 (Anchor Point), inbound course 277 degrees, 20 NM legs, left turns. Receiver holding point is CIM 094/93, inbound course 277 degrees, 10 NM legs, left turns. All holding pattern turns are planned at a 30 degrees bank angle (5 NM radius).

② Eastbound (South) leg: Tanker holding point is PNH 282/130 (Anchor Point), inbound course 095 degrees, 20 NM legs, left turns. Receiver holding point is PNH 280/189, inbound course 095 degrees, 10 NM legs, left turns. All holding pattern turns are planned at a 30 degrees bank angle (5 NM radius).

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR624	DRK VORTAC	BCE VORTAC	DRK VORTAC	DRK VORTAC	BCE VORTAC	a. 366.300	FL190/FL220	57OSS/OSOS	Los Angeles	Unlimited
	341/74	183/38	341/74	341/74	157/57	b. 319.500		Nellis AFB, NV	ARCP	
	N35°56.00'	N37°05.00'	N35°56.00'	N35°56.00'	N36°45.00'	c. N/R	or as assigned	DSN 682-2040	EXIT-124.2/343.	
	W112°37.00'	W112°33.00'	W112°37.00'	W112°37.00'	W112°09.00'	d. N/R	by ATC	C702-652-2040	6	
			DRK VORTAC	DRK VORTAC		e. 32/95			EXIT-124.85/31	
			357/75	357/75					9.2	
			N35°56.00'	N35°56.00'					EXIT-135.25/30	
			W112°12.00'	W112°12.00'					6.3	
			BCE VORTAC	BCE VORTAC						
			157/57	157/57						
		N36°45.00'	N36°45.00'							
		W112°09.00'	W112°09.00'							
		BCE VORTAC	BCE VORTAC							
		178/57	178/57							
		N36°46.00'	N36°46.00'							
		W112°34.00'	W112°34.00'							
ATC ASSIGNED AIRSPACE: N37°03.00' W112°38.00' to N35°39.00' W112°42.00' to N35°38.00' W112°08.00' to N37°02.00' W112°03.00' to beginning.										
REMARKS: All aircraft should contact Los Angeles Center prior to exit.										
AR625H	MVA VORTAC	MVA VORTAC	MVA VORTAC	MVA VORTAC	MVA VORTAC	a. 295.800	FL230/FL250	57OSS/OSOS	Oakland	0600-2200 Local
	163/85	163/85	163/15	163/15	149/84	b. 319.500		Nellis AFB, NV	ARCP-319.8	unless other-
	N37°09.00'	N37°09.00'	N38°19.00'	N38°19.00'	N37°12.00'	c. N/R		DSN 682-2040	EXIT-319.8	wise
	W118°02.00'	W118°02.00'	W118°02.00'	W118°02.00'	W117°37.00'	d. N/R		C702-652-2040		coordinated
	MVA VORTAC	MVA VORTAC	MVA VORTAC	MVA VORTAC	MVA VORTAC	e. 50/113				
	189/17	163/77	109/25	109/25	068/25					
	N38°19.00'	N37°17.00'	N38°19.00'	N38°19.00'	N38°36.00'					
	W118°11.00'	W118°02.00'	W117°36.00'	W117°36.00'	W117°30.00'					
	MVA VORTAC	MVA VORTAC	MVA VORTAC	MVA VORTAC	MVA VORTAC					
	103/30		145/68	145/68	342/2					
N38°19.00'		N37°29.00'	N37°29.00'	N38°36.00'						
W117°29.00'		W117°36.00'	W117°36.00'	W118°02.00'						
		MVA VORTAC	MVA VORTAC	MVA VORTAC						
		163/65	163/65	142/59						
		N37°29.00'	N37°29.00'	N37°39.00'						
		W118°02.00'	W118°02.00'	W117°36.00'						
ATC ASSIGNED AIRSPACE: N37°12.00' W118°06.00' to N38°36.00' W118°06.00' to N38°05.00' W117°16.00' to N37°53.00' W117°05.68' to N37°26.00' W117°04.55' to N37°22.00' W117°01.00' to N37°12.00' W117°20.00' to beginning.										
REMARKS: Right hand pattern.										

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ARTCC	TIMES OF OPERATION	
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT			
AR625L	MVA VORTAC	MVA VORTAC	MVA VORTAC	MVA VORTAC	MVA VORTAC	a. 291.900	FL180/FL210	570SS/OSOS	Oakland	0600-2200 Local	
	163/85	163/85	163/15	163/15	149/84	b. 319.500		Nellis AFB, NV	ARCP-319.5	unless other-	
	N37°09.00'	N37°09.00'	N38°19.00'	N38°19.00'	N37°12.00'	c. N/R		DSN 682-2040	EXIT-319.8	wise	
	W118°02.00'	W118°02.00'	W118°02.00'	W118°02.00'	W117°37.00'	d. N/R		C702-652-2040		coordinated	
	MVA VORTAC	MVA VORTAC	MVA VORTAC	MVA VORTAC	MVA VORTAC	e. 33/96					
	189/17	163/77	109/25	109/25	068/25						
	N38°19.00'	N37°17.00'	N38°19.00'	N38°19.00'	N38°36.00'						
	W118°11.00'	W118°02.00'	W117°36.00'	W117°36.00'	W117°30.00'						
	MVA VORTAC	MVA VORTAC	MVA VORTAC	MVA VORTAC	MVA VORTAC						
	103/30	145/68	342/2	145/68	342/2						
AR626	N38°19.00'	N37°29.00'	N38°36.00'	N37°29.00'	N38°36.00'						
	W117°29.00'	W117°36.00'	W118°02.00'	W117°36.00'	W118°02.00'						
	MVA VORTAC	MVA VORTAC	MVA VORTAC	MVA VORTAC	MVA VORTAC						
	163/65	163/65	142/59	163/65	142/59						
	N37°29.00'	N37°29.00'	N37°39.00'	N37°29.00'	N37°39.00'						
	W118°02.00'	W118°02.00'	W117°36.00'	W118°02.00'	W117°36.00'						
	ATC ASSIGNED AIRSPACE: N37°12.00' W118°06.00' to N38°36.00' W118°06.00' to N38°05.00' W117°16.00' to N37°53.00' W117°05.68' to N37°26.00' W117°04.55' to N37°22.00' W117°01.00' to N37°12.00' W117°20.00' to beginning.										
	REMARKS: Right hand pattern.										
	AR626	HQM VORTAC	HQM VORTAC	TOU VORTAC	TOU VORTAC	HQM VORTAC	a. 235.100	FL250/FL270	NAS Whidbey Island, (N38) Oak Harbor, WA	Seattle	Unlimited as
		271/14	271/14	223/50	223/50	297/38	b. 292.600			ARCP-319.2	coordinated
N47°01.50'		N47°01.50'	N47°56.50'	N47°56.50'	N47°24.00'	c. N/R	or as assigned		EXIT-269.0	with scheduling	
W124°27.50'		W124°27.50'	W125°45.00'	W125°45.00'	W124°48.00'	d. N/R	by ATC.	DSN 820-2877		unit.	
MVA VORTAC		MVA VORTAC	TOU VORTAC	TOU VORTAC	MVA VORTAC	e. 52/115		C360-257-2877			
163/65		163/65	216/69	216/69	142/59						
N37°29.00'		N37°29.00'	N47°41.00'	N47°41.00'	N37°39.00'						
W118°02.00'		W118°02.00'	W126°04.00'	W126°04.00'	W117°36.00'						
MVA VORTAC		MVA VORTAC	HQM VORTAC	HQM VORTAC	MVA VORTAC						
103/30		145/68	268/42	268/42	342/2						
AR626	N47°09.00'	N47°09.00'	W125°07.00'	W125°07.00'	W124°48.00'						
	W124°27.50'	W124°27.50'	W125°45.00'	W125°45.00'	W124°48.00'						
	MVA VORTAC	MVA VORTAC	HQM VORTAC	HQM VORTAC	MVA VORTAC						
	297/38	297/38	297/38	297/38	297/38						
	N47°24.00'	N47°24.00'	N47°09.00'	N47°09.00'	N47°24.00'						
	W124°48.00'	W124°48.00'	W126°04.00'	W126°04.00'	W124°48.00'						
	ATC ASSIGNED AIRSPACE: Contains W237 A-C. N48°08.59' W126°15.00' to N48°08.59' W124°48.05' thence southbound 3 miles parallel to the shoreline ending at N47°17.00' W124°20.00' to N47°05.59' W124°14.53' to N47°00.29' W124°30.05' to N46°49.59' W125°24.00' to N47°00.00' W125°28.03' to N47°00.00' W126°15.00' to beginning.										
	REMARKS: Military radar or Seattle ARTCC radar must be operational to conduct refueling.										

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN				TIMES OF OPERATION
							MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT	ASSIGNED ARTCC	
AR627	TAY VORTAC	TAY VORTAC	TAY VORTAC	TAY VORTAC	TAY VORTAC	TAY VORTAC	a. 235.100	FL200/FL230	23OSS/OSO	Jacksonville	Continuous by schedule
	323/114	323/114	292/63	292/63	295/63	333/102	b. 343.250	Moody AFB, GA		ARCP-379.2	
	N31°57.20'	N31°57.20'	N30°50.00'	N30°50.00'	N30°53.17'	N31°58.08'	c. N/R	DSN		EXIT-379.2	
	W84°00.15'	W84°00.15'	W83°42.50'	W83°42.50'	W83°41.32'	W83°33.22'	d. N/R	460-7839/7831/7832			
	TAY VORTAC	TAY VORTAC	TAY VORTAC	TAY VORTAC	TAY VORTAC	TAY VORTAC	e. 50/113	C229-257-7839/7831/7832			
	N30°30.28'	N30°30.28'	335/89	335/89	306/45	281/56					
W82°33.17'	W82°33.17'	N31°48.75'	N31°48.75'	W83°17.30'	N30°38.14'						
		W83°22.00'	W83°22.00'	TAY VORTAC	W83°37.08'						
				332/89							
				N31°46.30'							
				W83°26.22'							
				TAY VORTAC							
				321/99							
				N31°43.30'							
				W83°50.35'							

ATC ASSIGNED AIRSPACE: None.

REMARKS: When Valdosta RAPCON is controlling AR627, frequencies will be 119.525 and 259.3. AR627 is available when Valdosta RAPCON is open and RAPCON's radar is operational. To ensure Jacksonville Center/Valdosta RAPCON computer interface, all tankers and non-23rd Wing receivers must file a flight plan to indicate a delay at the TAY295063 regardless of direction of entry.

AR628	HQM VORTAC	HQM VORTAC	ONP VORTAC	ONP VORTAC	ONP VORTAC	ONP VORTAC	a. 343.500	FL240/FL260	142FW, Portland, OR	Seattle	Unlimited	
	199/54	199/54	294/49	294/49	294/49	249/38	b. 292.600	DSN 638-4390/5186		ARCP-379.6		
	N46°14.67'	N46°14.67'	N45°04.67'	N45°04.67'	N45°04.67'	N44°30.00'	c. N/R	C503-335-4390/5186		EXIT-379.6		
	W124°57.00'	W124°57.00'	W124°57.00'	W124°57.00'	W124°57.00'	W124°57.00'	d. N/R					
	ONP VORTAC	ONP VORTAC	ONP VORTAC	ONP VORTAC	ONP VORTAC	ONP VORTAC	e. 31/94					
	284/20		315/35		315/35							
	N44°44.00'		N45°04.67'		N45°04.67'							
	W124°28.00'		W124°28.67'		W124°28.67'							
			HQM VORTAC		HQM VORTAC							
			173/64		173/64							
		N45°54.67'		N45°54.67'								
		W124°28.00'		W124°28.00'								
		HQM VORTAC		HQM VORTAC								
		189/71		189/71								
		N45°54.67'		N45°54.67'								
		W124°57.00'		W124°57.00'								

ATC ASSIGNED AIRSPACE: Bass ATCAA, altitudes are FL 180 and above. N45°11.00' W126°35.00' to N46°16.00' W125°00.00' to N46°39.00' W124°18.00' to N46°10.00' W124°20.00' to N44°53.00' W124°20.00' to N44°38.00' W124°28.00' to N44°11.00' W125°30.00' to N43°43.50' W126°28.00' to N43°55.00' W126°37.00' to N45°00.00' W126°30.00' to beginning.

REMARKS: Military radar or Seattle ARTCC radar must be operational to conduct refueling.

NUMBER	ENTRY POINTS		ARIP	ANCHOR POINT		ANCHOR PATTERN	EXIT POINTS	RADAR ALTITUDES		SCHEDULING UNIT	ASSIGNED ARTCC	TIMES OF OPERATION	
	MIB TACAN	MIB TACAN		MIB TACAN	MIB TACAN			MILITARY REFUELING	CR PLAN				
AR629	MIB TACAN	MIB TACAN	MIB TACAN	MIB TACAN	MIB TACAN	MIB TACAN	MIB TACAN	a. 296.000	14000/FL230	23 BS Minot AFB, ND	5 OSS Minot	Minot AFB RAP-	
	255/21	072/28	255/21	072/28	072/28	307/25	307/25	b. 360.900	DSN 453-2002	RAPCON	RAPCON	CON Operating	
	N48°22.00'	N48°30.00'	N48°22.00'	N48°30.00'	N48°30.00'	N48°42.00'	N48°42.00'	c. N/R	C701-723-2002	ARCP-119.6/36	ARCP-119.6/36	Hours as listed	
	W101°53.00'	W100°40.00'	W101°53.00'	W100°40.00'	W100°40.00'	W101°49.00'	W101°49.00'	d. N/R		3.8	3.8	in IFR Supple-	
								e. 30/93		EXIT-119.6/363.	EXIT-119.6/363.	ment. Other	
										8	8	times contact	
													Minneapolis
													ARTCC 127.6 or
													279.6.

ATC ASSIGNED AIRSPACE: (Minot Rapcon Airspace) N48°52.00' W102°16.00' to N48°19.00' W102°13.00' to N48°05.00' W102°24.00' to N47°38.00' W101°12.00' to N47°59.00' W100°22.00' to N48°19.00' W100°27.00' to N48°19.00' W100°13.00' to N48°57.00' W100°16.00' to beginning.

REMARKS: Air refueling will be conducted within the RAPCON airspace and RAPCON radar must be operational.

NUMBER	ENTRY POINTS		ARIP	ANCHOR POINT		ANCHOR PATTERN	EXIT POINTS	RADAR ALTITUDES		SCHEDULING UNIT	ASSIGNED ARTCC	TIMES OF OPERATION	
	MIB TACAN	MIB TACAN		MIB TACAN	MIB TACAN			MILITARY REFUELING	CR PLAN				
AR630	OTH VOR-DME	OTH VOR-DME	OTH VOR-DME	OTH VOR-DME	OTH VOR-DME	OTH VOR-DME	OTH VOR-DME	a. 238.900	FL250/FL280	173d Fighter Wing,	Seattle	Unlimited	
	190/76	190/76	190/76	259/32	259/32	213/72	213/72	b. 292.600		Kingsley Field, Kla-	ARCP-360.7		
	N42°16.00'	N42°16.00'	N42°16.00'	N43°27.00'	N43°27.00'	N42°36.00'	N42°36.00'	c. N/R		math Falls, OR	EXIT-360.7		
	W124°54.00'	W124°54.00'	W124°54.00'	W124°54.00'	W124°54.00'	W125°22.00'	W125°22.00'	d. N/R		DSN 830-6686/6182			
								e. 30/93		C541-885-6686/6182			

ATC ASSIGNED AIRSPACE: N44°06.50' W124°36.67' to N43°25.00' W124°38.50' to N43°23.00' W124°43.50' to N43°17.00' W124°39.00' to N43°00.00' W124°40.00' to N42°15.50' W124°38.50' to N42°15.50' 50' then west to east edge of C1416 W125°27.50' to N43°14.83' W126°10.75' to N43°52.00' W125°07.00' to beginning.

REMARKS: None

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION	
							MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT			
AR631	ENE VOR-DME	GFL VORTAC	ENE VOR-DME	ENE VOR-DME	ENE VOR-DME	ENE VOR-DME	a. 295.800	FL200/FL260	NEADS/DOA	Boston	Unlimited	
	271/46	109/18	271/46	271/46	271/46	261/30	b. 282.700		Rome, NY	ARCP-348.7		
	N43°13.00'	N43°19.00'	N43°13.00'	N43°13.00'	N43°13.00'	N43°12.00'	c. N/R		DSN 587-6247	EXIT-348.7		
	W71°37.00'	W73°12.00'	W71°37.00'	W71°37.00'	W71°37.00'	W71°14.00'	d. N/R					
				ENE VOR-DME			e. 51/114					
				297/43								
				N43°33.00'								
				W71°35.00'								
				ENE VOR-DME								
				296/93								
			N43°38.00'									
			W72°43.00'									
			ENE VOR-DME									
			282/93									
			N43°16.00'									
			W72°43.00'									

Footrope Primary 301.6/314.2

ATC ASSIGNED AIRSPACE: N43°36.00' W70°56.00' to N43°38.00' W71°14.00' to N43°44.00' W72°00.00' to N43°50.00' W73°05.00' to N43°48.00' W73°08.00' to N43°25.00' W73°13.00' to N43°14.00' W73°14.00' to N43°04.00' W71°42.00' to N43°13.00' W71°02.00' to beginning.

REMARKS: Anchor area is located within the Laser South ATC assigned airspace area.

AR632	TVC VOR-DME	TVC VOR-DME	TVC VOR-DME	TVC VOR-DME	TVC VOR-DME	TVC VOR-DME	a. 238.900	FL220/FL270	Alpena Combat Readiness Training Center Airspace	Minneapolis ARCP	Unlimited	
	112/63	097/59	052/75	052/75	052/75	113/64	b. 282.700					
	N44°18.00'	N44°34.90'	N45°28.12'	N45°28.12'	N45°28.12'	N44°16.60'	c. N/R					
	W84°10.00'	W84°10.30'	W84°10.92'	W84°10.92'	W84°10.92'	W84°09.80'	d. N/R					
	TVC VOR-DME		TVC VOR-DME	TVC VOR-DME	TVC VOR-DME	TVC VOR-DME	e. 52/115		Scheduler Alpena, MI	DSN 741-6284		
	032/75		040/61	040/61	040/61	032/76				C1-800-292-6583		
	N45°45.00'		N45°27.93'	N45°27.93'	N45°27.93'	N45°45.70'						
	W84°39.00'		W84°39.27'	W84°39.27'	W84°39.27'	W84°38.70'						
			TVC VOR-DME	TVC VOR-DME	TVC VOR-DME							
			099/39	099/39	099/39							
		N44°35.32'	N44°35.32'	N44°35.32'								
		W84°38.22'	W84°38.22'	W84°38.22'								
		TVC VOR-DME	TVC VOR-DME	TVC VOR-DME								
		097/59	097/59	097/59								
		N44°34.90'	N44°34.90'	N44°34.90'								
		W84°10.30'	W84°10.30'	W84°10.30'								

ATC ASSIGNED AIRSPACE: N45°44.49' W84°48.09' to N45°45.00' W84°10.00' to N44°47.02' W84°06.23' to N44°41.00' W84°06.00' to N44°17.20' W83°43.00' to N44°18.26' W84°46.13' to N44°47.09' W84°46.52' to beginning, Garland North and South ATCAAs.

REMARKS: Contact Black Talon MOA Coordinator on 234.9 before entering SUA. Enter AR632 at or above FL 250, contact Steelgate on 385.7, 381.1, FM 40.45 or 40.65 prior to entering Garland North or South to confirm status of R4201A. AR632 must be de-conflicted with adjacent AR107. Contact Alpena CRTCA Airspace Scheduler.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	RADAR ALTITUDES	SCHEDULING UNIT	ASSIGNED ARTCC	TIMES OF OPERATION
AR633A	HCH VOR-DME 074/5 N35°48.50' W84°52.50'	HCH VOR-DME 074/5 N35°48.50' W84°52.50'	HCH VOR-DME 073/76 N36°11.50' W83°29.50'	HCH VOR-DME 073/76 N36°11.50' W83°29.50'	HCH VOR-DME 073/26 N35°55.50' W84°28.00'	a. 240.350 b. 343.250 c. N/R d. N/R	134th ARW McGhee-Tyson ANGB Knoxville, TN DSN 266-4396/4390/4371	Atlanta ARCP-254.3 EXIT-254.3W EXIT-272.7E	Unlimited
	HCH VOR-DME 073/76 ① N36°11.50' W83°29.50'		HCH VOR-DME 058/79 N36°30.50' W83°37.00'	HCH VOR-DME 058/79 N36°30.50' W83°37.00'	HCH VOR-DME 058/79 N36°30.50' W83°37.00'	e. 52/115			
			HCH VOR-DME 036/33 N36°14.00' W84°36.50'	HCH VOR-DME 036/33 N36°14.00' W84°36.50'					
			HCH VOR-DME 073/26 N35°55.50' W84°28.00'	HCH VOR-DME 073/26 N35°55.50' W84°28.00'					

ATC ASSIGNED AIRSPACE: N35°40.50' W84°44.00' to N36°07.00' W83°05.50' to N36°39.50' W83°18.50' to N36°12.50' W84°57.50' to beginning.

REMARKS: None
① Tanker.

AR633B	HMV VORTAC 295/42 N36°41.33' W82°56.00'	HMV VORTAC 278/72 N36°30.50' W83°37.00'	HMV VORTAC 269/121 N36°14.00' W84°36.50'	HMV VORTAC 269/121 N36°14.00' W84°36.50'	HMV VORTAC 260/118 N35°55.50' W84°28.00'	a. 240.350 b. 343.250 c. N/R d. N/R	134th ARW McGhee-Tyson ANGB Knoxville, TN DSN 266-4396/4390/4371	Atlanta ARCP-272.7 EXIT-254.3W EXIT-272.7E	Unlimited
	HMV VORTAC 269/121 ① N36°14.00' W84°36.50'		HMV VORTAC 262/68 N35°55.50' W83°29.50'	HMV VORTAC 262/68 N35°55.50' W83°29.50'	HMV VORTAC 262/68 N36°11.50' W83°29.50'	e. 52/115			

ATC ASSIGNED AIRSPACE: N35°40.50' W84°44.00' to N36°07.00' W83°05.50' to N36°39.50' W83°18.50' to N36°12.50' W84°57.50' to beginning.

REMARKS: None
① Tanker.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR634	SNS VORTAC	SNS VORTAC	SNS VORTAC	SNS VORTAC	SNS VORTAC	FL180/FL310	FACSFAC, SD	Oakland	Unlimited	
	266/53	258/77	246/116	246/116	266/53	a. 235.100	DSN 735-1757	ARCP-343.8		
	N36°51.00'	N36°46.00'	N36°24.00'	N36°24.00'	N36°51.00'	b. 319.500	C619-545-1757	EXIT-290.5		
	W122°40.00'	W123°12.00'	W123°59.00'	W123°59.00'	W122°40.00'	c. N/R		EXIT-343.8		
	BSR VORTAC		PXN VORTAC	PXN VORTAC	BSR VORTAC	d. N/R				
	226/25		241/151	241/151	226/25	e. 33/96				
	N35°59.00'		N36°07.00'	N36°07.00'	N35°59.00'	Big Foot				
	W122°06.00'		W123°48.00'	W123°48.00'	W122°06.00'	Primary				
	PXN VORTAC		SNS VORTAC	SNS VORTAC	PXN VORTAC	364.2 or as advised				
	189/84		244/68	244/68	189/84					
N35°27.00'		N36°29.00'	N36°29.00'	N35°27.00'						
W121°30.00'		W123°00.00'	W123°00.00'	W121°30.00'						
		SNS VORTAC	SNS VORTAC	SNS VORTAC						
		258/77	258/77	258/77						
		N36°46.00'	N36°46.00'	N36°46.00'						
		W123°12.00'	W123°12.00'	W123°12.00'						

ATC ASSIGNED AIRSPACE: WARNING AREA (W283 & W285A) N36°58.00' W122°55.00' to N36°33.00' W122°39.00' to N35°55.00' W124°02.00' to N36°20.00' W124°19.00' to beginning.

REMARKS: (1) Do not file AR634 in route of flight on DD175. (Reference to AR634 use will be noted in Remarks only). DD175 route of flight must reflect: a.-Last fix. b.-Direct entry point: BSR VORTAC 226/25 (KIGHT INT); SNS VORTAC 266/53 (TOPLI INT); or PXN VORTAC 189/84 (HONDO INT). c.-Direct W283/W285A. d.-Delay time. e.-Direct exit point (same as entry points). f.-Direct next fix. g.-Balance of route. (2) Random refueling in W283/W285A authorized when scheduled. (3) MUR service available when scheduled. Must be indicated in Remarks of DD175, Handoff to Big Foot, 364.2.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR635	MLF VORTAC	MLF VORTAC	MLF VORTAC	MLF VORTAC	MLF VORTAC	FL190/FL260	57OSS/OSOS	Salt Lake City	Unlimited	
	259/128	259/128	260/58	260/58	260/24	a. 352.600	Nellis AFB, NV	ARCP-360.8		
	N38°31.00'	N38°31.00'	N38°27.00'	N38°27.00'	N38°24.00'	b. 319.500	DSN 682-2040	EXIT-360.8		
	W115°43.00'	W115°43.00'	W114°14.00'	W114°14.00'	W113°31.00'	c. N/R				
	MLF VORTAC	MLF VORTAC	MLF VORTAC	MLF VORTAC	ILC VORTAC	d. N/R				
	289/42	289/42	270/110	270/110	282/77	e. 52/115				
	N38°46.00'	N38°46.00'	N38°50.00'	N38°47.00'	N38°51.00'					
	W113°45.00'	W113°45.00'	W115°16.00'	W114°11.00'	W115°50.00'					
			MLF VORTAC	MLF VORTAC	MLF VORTAC					
			270/110	270/110	270/110					
		N38°50.00'	N38°50.00'	N38°50.00'						
		W115°16.00'	W115°16.00'	W115°16.00'						
		MLF VORTAC	MLF VORTAC	MLF VORTAC						
		259/108	259/108	259/108						
		N38°30.00'	N38°30.00'	N38°30.00'						
		W115°18.00'	W115°18.00'	W115°18.00'						

ATC ASSIGNED AIRSPACE: N38°54.00' W115°37.00' to N38°49.00' W113°50.00' to N38°21.00' W113°52.00' to N38°26.00' W115°39.00' to beginning.

REMARKS: None

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR636	NTU TACAN 095/78 N36°56.00' W74°25.00'	NTU TACAN 095/78 N36°56.00' W74°25.00'	NTU TACAN 100/146 N36°47.00' W73°00.00'	NTU TACAN 100/146 N36°47.00' W73°00.00' NTU TACAN 092/147 N37°07.50' W73°00.00' NTU TACAN 090/107 N37°06.30' W73°50.00' NTU TACAN 101/106 N36°47.00' W73°50.00'	NTU TACAN 095/78 N36°56.00' W74°25.00'	a. 238.900 b. 319.700 c. N/R d. N/R e. 50/113	FL200/FL290 VA 3000' required as assigned by ATC	1 FW Langley AFB, VA DSN 574-2483/2559	Giant Killer ARCP-238.1 EXIT-238.1 Washington ARCP-306.9 EXIT-306.9	Unlimited

ATC ASSIGNED AIRSPACE: N37°05.00' W74°36.00' to N37°13.00' W72°40.00' to N36°42.00' W72°40.00' to N36°47.00' W74°36.00' to beginning.

REMARKS: Pyramid/Giant Killer radar must be operational. Tanker must check in/out with Giant Killer FACAFAC VACAPES 238.1 or 118.125. Simultaneous tankers only with prior approval. Use may be restricted by other operations.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION	
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT			
AR637	FAM VORTAC	FAM VORTAC	FAM VORTAC	FAM VORTAC	FAM VORTAC	a. 291.900	FL190/FL230	509 OSS/OSOA	Kansas City	As scheduled	
	262/34	262/34	262/109	262/109	244/62	b. 319.700		Whiteman AFB, MO	ARCP-317.5		
	N37°36.30'	N37°36.30'	N37°26.40'	N37°26.40'	N37°13.50'	c. N/R		DSN	EXIT-317.5		
	W90°56.00'	W90°56.00'	W92°29.90'	W92°29.90'	W91°24.40'	d. N/R		975-7616/1779/1754			
	FAM VORTAC	FAM VORTAC	FAM VORTAC	FAM VORTAC	FAM VORTAC	e. 50/113		C660-687-7616/1779/1754			
	252/46	252/46	252/111	252/111	262/59						
	N37°26.80'	N37°26.80'	N37°07.00'	N37°07.00'	N37°33.20'						
	W91°08.90'	W91°08.90'	W92°26.50'	W92°26.50'	W91°27.75'						
			FAM VORTAC	FAM VORTAC							
			244/62	244/62							
		N37°13.50'	N37°13.50'								
		W91°24.40'	W91°24.40'								
		FAM VORTAC	FAM VORTAC								
		262/59	262/59								
		N37°33.20'	N37°33.20'								
		W91°27.75'	W91°27.75'								

ATC ASSIGNED AIRSPACE: N37°39.83' W91°53.03' to N37°51.60' W91°01.07' to N37°46.70' W90°46.10' to N37°10.38' W90°52.23' to N36°55.35' W90°54.83' to N36°38.00' to N36°16.00' W91°03.00' to N36°16.00' W91°18.00' to N36°38.00' W91°50.00' to N36°45.00' W92°03.25' to N36°59.43' W92°03.25' to N37°05.47' W92°03.30' to N37°02.57' W92°26.23' to N37°02.53' W92°34.07' to N37°04.17' W92°41.75' to N37°07.55' W92°48.02' to N37°21.03' W92°50.37' to N37°25.98' W92°45.07' to N37°29.10' W92°38.27' to N37°30.38' W92°30.52' to N37°34.33' W91°56.03' to beginning.

REMARKS: Anchor is contained within West ATCAA and Lindbergh A ATCAA as described above. MARSAs is applicable between refueling operations in AR637 and other simultaneous activity in Lindbergh ATCAA. Kansas City ARTCC or military radar must be operational. Receiver aircraft transiting from Lindbergh ATCAA will utilize the ARIP at FAM 252/46. Navigation during refueling will adhere to the course line described by the anchor pattern, including turn radii, unless clearance is obtained for random navigation in West ATCAA or Lindbergh A, B, C MOA/ATCAA. Clearance for navigation is described as airspace released in the Lindbergh MOA and/or ATCAA for fighter operations. When airspace is released, AAR operations may be conducted as desired throughout the released Lindbergh Airspace Complex without further coordination from Kansas City Center (KCC) or Military Radar Unit (MRU).

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR638	HST TACAN	HST TACAN	HST TACAN	HST TACAN	HST TACAN	a. 324.600	FL260/FL290	347 Rescue Wing,	Miami	Unlimited
	342/12 ①	265/43	116/27	116/27	342/12 ①	b. 343.250		MacDill AFB, FL	ARCP-323.0	
	N25°40.00'	N25°21.00'	N25°20.00'	N25°20.00'	N25°40.00'	c. N/R	or as assigned	DSN 968-4641	EXIT-323.0	
	W80°28.00'	W81°09.00'	W79°55.00'	W79°55.00'	W80°28.00'	d. N/R	by ATC 4000'	C813-828-4641		
	HST TACAN		HST TACAN	HST TACAN	HST TACAN	e. 51/114	required			
	255/26 ①		073/29	073/29	300/37 ①					
	N25°20.00'		N25°41.00'	N25°41.00'	N25°44.00'					
	W80°50.00'		W79°53.00'	W79°53.00'	W81°00.00'					
	HST TACAN		HST TACAN	HST TACAN	HST TACAN					
	265/43 ②		304/23	304/23	342/12 ②					
N25°21.00'		N25°40.00'	N25°40.00'	N25°40.00'						
W81°09.00'		W80°45.00'	W80°45.00'	W80°28.00'						
		HST TACAN	HST TACAN	HST TACAN						
		255/26	255/26	255/26 ②						
		N25°20.00'	N25°20.00'	N25°20.00'						
		W80°50.00'	W80°50.00'	W80°50.00'						
		HST TACAN	HST TACAN	HST TACAN						
		165/12 ②	165/12 ②	165/12 ②						
		N25°18.00'	N25°18.00'	N25°18.00'						
		W80°18.00'	W80°18.00'	W80°18.00'						

ATC ASSIGNED AIRSPACE: N25°15.00' W79°34.00' to N25°44.00' W79°34.00' to N25°44.00' W81°08.00' to N25°15.00' W81°08.00' to beginning.

REMARKS: Miami ARTCC radar must be operational. Anchor will not be used when AR617 is active.

① Tankers.

② Receivers.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION	
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT			
AR639	DUG VORTAC	DUG VORTAC	DUG VORTAC	DUG VORTAC	DUG VORTAC	DUG VORTAC	a. 291.900	16000/FL280	355th Wing	Albuquerque	Unlimited
	257/61	257/42	077/54	077/54	283/46	283/46	b. 319.500		Davis-Monthan AFB,	ARCP-127.95	
	N31°28.42'	N31°28.42'	N31°28.42'	N31°28.42'	N31°48.50'	N31°48.50'	c. N/R		AZ	ARCP-133.0	
	W110°47.92'	W110°24.83'	W108°32.67'	W108°32.67'	W110°25.00'	W110°25.00'	d. N/R		DSN 228-4952/5777	EXIT-281.5	
	DUG VORTAC	DUG VORTAC	DUG VORTAC	DUG VORTAC	DUG VORTAC	DUG VORTAC	e. 31/94		C520-228-4952/5777	EXIT-327.15	
	056/58		077/20	056/58	056/58	056/58					
	N31°48.50'	N31°28.50'	N31°28.50'	N31°48.50'	N31°48.50'	N31°48.50'					
	W108°32.50'	W109°12.25'	W108°32.50'	W108°32.50'	W108°32.50'	W108°32.50'					
			DUG VORTAC	DUG VORTAC	DUG VORTAC	DUG VORTAC					
			283/46	283/46	283/46	283/46					
		N31°48.50'	N31°48.50'	N31°48.50'	N31°48.50'						
		W110°25.00'	W110°25.00'	W110°25.00'	W110°25.00'						
		DUG VORTAC	DUG VORTAC	DUG VORTAC	DUG VORTAC						
		257/42	257/42	257/42	257/42						
		N31°28.42'	N31°28.42'	N31°28.42'	N31°28.42'						
		W110°24.83'	W110°24.83'	W110°24.83'	W110°24.83'						

ATC ASSIGNED AIRSPACE: None.

REMARKS: AR639 is located within Tombstone C MOA and ATCAA, R2303B/C and Libby ATCAA. Receiver holding point is DUG 258/30. Inbound course 078 degrees, left turns.

AR639A	DUG VORTAC	DUG VORTAC	DUG VORTAC	DUG VORTAC	DUG VORTAC	DUG VORTAC	a. 291.900	13000/FL280	355th Wing	Albuquerque	Unlimited
	254/6	254/6	077/54	077/54	330/21	330/21	b. 319.500		Davis-Monthan AFB,	ARCP	
	N31°28.00'	N31°28.00'	N31°28.42'	N31°28.42'	N31°48.00'	N31°48.00'	c. N/R		AZ	EXIT	
	W109°43.50'	W109°43.50'	W108°32.67'	W108°32.67'	W109°43.00'	W109°43.00'	d. N/R		DSN 228-4952/5777		
	DUG VORTAC	DUG VORTAC	DUG VORTAC	DUG VORTAC	DUG VORTAC	DUG VORTAC	e. 31/94		C520-228-4952/5777		
	056/58		056/58	056/58	056/58	056/58					
	N31°48.50'	N31°48.50'	N31°48.50'	N31°48.50'	N31°48.50'	N31°48.50'					
	W108°32.50'	W108°32.50'	W108°32.50'	W108°32.50'	W108°32.50'	W108°32.50'					
			DUG VORTAC	DUG VORTAC	DUG VORTAC	DUG VORTAC					
			330/21	330/21	330/21	330/21					
		N31°48.00'	N31°48.00'	N31°48.00'	N31°48.00'						
		W109°43.00'	W109°43.00'	W109°43.00'	W109°43.00'						
		DUG VORTAC	DUG VORTAC	DUG VORTAC	DUG VORTAC						
		254/6	254/6	254/6	254/6						
		N31°28.00'	N31°28.00'	N31°28.00'	N31°28.00'						
		W109°43.50'	W109°43.50'	W109°43.50'	W109°43.50'						

ATC ASSIGNED AIRSPACE: N31°46.00' W108°12.50' to N31°30.00' W108°12.50' to N31°24.42' W108°32.67' to N31°24.00' W109°42.50' to N31°28.50' W110°00.00' to N31°47.00' W110°00.00' to N31°51.50' W109°43.00' to N31°52.50' W108°32.50' to beginning.

REMARKS: AR639A and AR639 will not be used simultaneously. Receiver holding point is DUG 078/10. Inbound course is 078 degrees, left turn.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR640A	BAE VOR-DME	BAE VOR-DME	BAE VOR-DME	BAE VOR-DME	BAE VOR-DME	a. 305.500	FL180	ANGCRTC	Chicago ENTRY	As scheduled
	356/70	055/69	345/52	345/52	356/70	b. 320.900		Volk Field ANGB, WI		
	N44°17.00'	N43°44.00'	N43°58.00'	N43°58.00'	N44°17.00'	c. N/R	and above	DSN 871-1445		
	W88°21.00'	W86°57.00'	W88°33.00'	W88°33.00'	W88°21.00'	d. N/R				
	BAE VOR-DME		BAE VOR-DME	BAE VOR-DME	BAE VOR-DME	e. 51/114				
	017/20		331/35	331/35	017/20					
	N43°26.00'		N43°38.00'	N43°38.00'	N43°26.00'		Brochure			
	W88°08.00'		W88°39.00'	W88°08.00'	W88°08.00'		Primary			
	BAE VOR-DME		BAE VOR-DME	BAE VOR-DME	BAE VOR-DME		298.775			
	062/80		064/48	064/48	076/70		Secondary			
	N43°41.00'		N43°26.00'	N43°26.00'	N43°21.00'		283.775			
	W86°38.00'		W87°17.00'	W87°17.00'	W86°43.00'					
	BAE VOR-DME		BAE VOR-DME	BAE VOR-DME	BAE VOR-DME					
	325/57		049/62	049/62	329/64					
N43°55.00'		N43°46.00'	N43°46.00'	N44°03.00'						
W89°00.00'		W87°11.00'	W87°11.00'	W89°00.00'						
ATC ASSIGNED AIRSPACE: N44°24.00' W89°00.00' to N44°15.50' W88°13.50' to N44°05.50' W87°29.75' to N44°01.23' W86°56.63' to N43°41.00' W86°38.00' to N43°17.00' W86°44.00' to N43°15.50' W87°14.00' to N43°19.00' W87°41.00' to N43°26.50' W88°16.00' to N43°36.00' W89°00.00' to beginning.										
REMARKS: The anchor area is located within WIANG A, B and C ATC Assigned Airspace. All users must check in and check out with Phoenix on 346.525. When the rendezvous is controlled by the military radar unit, 298.775 283.775 will be used after checking in with Phoenix. For tanker directed rendezvous, the C/R Plan will be used.										
AR640B	BAE VOR-DME	BAE VOR-DME	BAE VOR-DME	BAE VOR-DME	BAE VOR-DME	a. 291.900	FL180	ANGCRTC	Chicago ENTRY	As scheduled
	356/70	331/35	070/57	070/57	356/70	b. 320.900		Volk Field ANGB, WI		
	N44°17.00'	N43°38.00'	N43°24.00'	N43°24.00'	N44°17.00'	c. N/R	and above	DSN 871-1445		
	W88°21.00'	W88°39.00'	W87°03.00'	W87°03.00'	W88°21.00'	d. N/R				
	BAE VOR-DME		BAE VOR-DME	BAE VOR-DME	BAE VOR-DME	e. 50/113				
	017/20		055/69	055/69	017/20					
	N43°26.00'		N43°44.00'	N43°44.00'	N43°26.00'		Brochure			
	W88°08.00'		W86°57.00'	W86°57.00'	W88°08.00'		Primary			
	BAE VOR-DME		BAE VOR-DME	BAE VOR-DME	BAE VOR-DME		298.775			
	070/74		356/49	356/49	076/70		Secondary			
	N43°29.00'		N43°56.00'	N43°56.00'	N43°21.00'		283.775			
	W86°41.00'		W88°19.00'	W88°19.00'	W86°43.00'					
	BAE VOR-DME		BAE VOR-DME	BAE VOR-DME	BAE VOR-DME					
	316/46		347/30	347/30	329/64					
N43°41.00'		N43°36.00'	N43°36.00'	N44°03.00'						
W89°00.00'		W88°25.00'	W88°25.00'	W89°00.00'						
ATC ASSIGNED AIRSPACE: N44°24.00' W89°00.00' to N44°15.50' W88°13.50' to N44°05.50' W87°29.75' to N44°01.23' W86°56.63' to N43°41.00' W86°38.00' to N43°17.00' W86°44.00' to N43°15.50' W87°14.00' to N43°19.00' W87°41.00' to N43°26.50' W88°16.00' to N43°36.00' W89°00.00' to beginning.										
REMARKS: The anchor area is located within WIANG A, B and C ATC Assigned Airspace. All users must check in and check out with Phoenix on 346.525. When the rendezvous is controlled by the military radar unit, 298.775 283.775 will be used after checking in with Phoenix. For tanker directed rendezvous, the C/R Plan will be used.										

ENTRY NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR641A	ILC VORTAC 192/36 N37°43.00' W114°45.00'		ILC VORTAC 192/36 N37°43.00' W114°45.00'	ILC VORTAC 192/36 N37°43.00' W114°45.00' ILC VORTAC 179/49 N37°28.00' W114°39.00' ILC VORTAC 141/42 N37°36.00' W114°03.00' ILC VORTAC 137/26 N37°52.00' W114°09.00'	ILC VORTAC 141/42 N37°36.00' W114°03.00'	a. 295.400 b. 319.500 c. N/R d. N/R e. 31/94	12000/FL230	554RS/R500 Nellis AFB, NV DSN 348-4778/4110 C702-653-4778/4110	Los Angeles ARCP-343.6 EXIT-343.6	As coordinated with 554 RS/R500

ATC ASSIGNED AIRSPACE: Caliente ATCAA N37°58.00' W115°00.00' to N37°17.00' W114°50.25' to N37°28.00' W114°34.50' to N37°28.00' W114°00.00' to N37°43.00' W113°48.00' to N38°00.00' W114°34.50' to beginning.

REMARKS: When Nellis Control (ATC) is not in operation, Los Angeles Center will provide ATC clearance for tanker and/or receivers into/out of the Caliente ATCAA only. Aircraft operating in this anchor are MARSAs with aircraft operating in adjacent Special Use Airspace IAW NAFB Sup 1, ARF 50-46. Radar monitoring required to conduct air refueling. 554 RS/R500 Nellis AFB, NV, schedules and deconflicts the airspace only. Caliente ATCAA and the Desert MOA must be scheduled to use this anchor. Requirements for tanker support must be made through appropriate units. Pattern length: 30 NM; width 17 NM. Anchor area is located within the Caliente ATCAA/Desert MOA. Airspace to be protected will in no case extend beyond the lateral confines of the Caliente ATCAA/Desert MOA.

NUMBER	ENTRY POINTS		ARIP	ANCHOR POINT		ANCHOR PATTERN	EXIT POINTS	RADAR ALTITUDES		SCHEDULING UNIT	ASSIGNED ARTCC	TIMES OF OPERATION	
	BVL VORTAC	164/5		BVL VORTAC	167/71			BVL VORTAC	123/29				a. 289.650
AR642E (East)	BVL VORTAC	164/5	BVL VORTAC	167/71	BVL VORTAC	167/71	BVL VORTAC	123/29	a. 289.650	17000/FL280	388RANS/RST	Salt Lake City	Mon-Thu
	N40°39.00'	N40°39.00'	N40°39.00'	N39°33.00'	N39°33.00'	N39°33.00'	N40°23.00'	N40°23.00'	b. 319.500	Hill AFB, UT	ARCP	ARCP	1400-0700Z++
	W113°45.00'	W113°45.00'	W113°45.00'	W113°44.00'	W113°44.00'	W113°44.00'	W113°19.00'	W113°19.00'	c. N/R	DSN 777-4401	EXIT	EXIT	Fri
									d. N/R	C801-777-4401			1400-0100Z++
									e. 50/113				Sat
													1500-2400Z++
													closed Sun.

ATC ASSIGNED AIRSPACE: N40°36.00' W114°27.00' to N39°23.00' W114°27.00' to N39°23.00' W113°19.00' to N39°44.00' W113°08.00' to N39°49.00' W112°43.00' to N40°13.00' W112°43.00' to N40°29.00' W113°00.00' to N40°41.00' W113°00.00' to N40°39.00' W114°00.00' to N40°36.00' W114°00.00' to N40°36.00' W114°00.00' to beginning.

REMARKS: Refueling operations must be scheduled in advance with 388 RANS/RST DSN 777-4401 during normal duty hours. Primary Boom frequency 305.5.

NUMBER	ENTRY POINTS		ARIP	ANCHOR POINT		ANCHOR PATTERN	EXIT POINTS	RADAR ALTITUDES		SCHEDULING UNIT	ASSIGNED ARTCC	TIMES OF OPERATION	
	BVL VORTAC	236/20 <th>BVL VORTAC</th> <th>181/72 <th>BVL VORTAC</th> <th>167/20 <td>a. 289.650</td> <td>17000/FL280</td> <td>388RANS/RST</td> <td>Salt Lake City</td> <td>Mon-Thu</td> </th></th>		BVL VORTAC	181/72 <th>BVL VORTAC</th> <th>167/20 <td>a. 289.650</td> <td>17000/FL280</td> <td>388RANS/RST</td> <td>Salt Lake City</td> <td>Mon-Thu</td> </th>			BVL VORTAC	167/20 <td>a. 289.650</td> <td>17000/FL280</td> <td>388RANS/RST</td> <td>Salt Lake City</td> <td>Mon-Thu</td>				a. 289.650
AR642W (West)	BVL VORTAC	236/20	BVL VORTAC	181/72	BVL VORTAC	181/72	BVL VORTAC	167/20	a. 289.650	17000/FL280	388RANS/RST	Salt Lake City	Mon-Thu
	N40°36.00'	N40°36.00'	N40°36.00'	N39°33.00'	N39°33.00'	N39°33.00'	N40°24.00'	N40°24.00'	b. 319.500	Hill AFB, UT	ARCP	ARCP	1400-0700Z++
	W114°10.00'	W114°10.00'	W114°10.00'	W114°07.00'	W114°07.00'	W114°07.00'	W113°45.00'	W113°45.00'	c. N/R	DSN 777-4401	EXIT	EXIT	Fri
									d. N/R	C801-777-4401			1400-0100Z++
									e. 50/113				Sat
													1500-2400Z++
													closed Sun.

ATC ASSIGNED AIRSPACE: N40°36.00' W114°27.00' to N39°23.00' W114°27.00' to N39°23.00' W113°19.00' to N39°44.00' W113°08.00' to N39°49.00' W112°43.00' to N40°13.00' W112°43.00' to N40°29.00' W113°00.00' to N40°41.00' W113°00.00' to N40°39.00' W114°00.00' to N40°36.00' W114°00.00' to beginning.

REMARKS: Refueling operations must be scheduled in advance with 388 RANS/RST DSN 777-4401 during normal duty hours. Primary Boom frequency 305.5.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR643	PUB VORTAC	PUB VORTAC	ALS VORTAC	ALS VORTAC	PUB VORTAC	a. 279.800	FL200/FL230	140 TFW	Denver	As coordinated with ARTCC
	257/23	257/23	126/16	126/16	195/25	b. 260.200		DSN 877-9470	ARCP-335.5/31	
	N38°15.50'	N38°15.50'	N37°09.00'	N37°09.00'	N37°55.00'	c. N/R			7.5	
	W104°55.00'	W104°55.00'	W105°36.00'	W105°36.00'	W104°38.00'	d. N/R				
	ALS VORTAC		ALS VORTAC	ALS VORTAC	ALS VORTAC	e. 52/115				
	126/16 ①		104/35	104/35	126/16					
	N37°09.00'		N37°05.00'	N37°05.00'	N37°09.00'	Primary				
	W105°36.00'		W105°10.50'	W105°10.50'	W105°36.00'	361.4 Sec-				
			PUB VORTAC	PUB VORTAC		ondary				
			220/31	220/31		395.1 or as assigned				
		N37°57.00'	N37°57.00'							
		W104°55.00'	W104°55.00'							
		PUB VORTAC	PUB VORTAC							
		237/48	237/48							
		N37°57.00'	N37°57.00'							
		W105°21.00'	W105°21.00'							

ATC ASSIGNED AIRSPACE: N38°15.50' W104°55.00' to N38°04.00' W104°49.00' to N37°55.00' W104°38.00' to N37°24.00' W104°48.00' to N36°49.00' W105°00.00' to N36°49.00' W105°47.00' to N37°26.00' W105°36.00' to N38°17.00' W105°19.00' to beginning.

REMARKS: Military radar must be operational. Denver ARTCC radar must be operational. Pattern Length: 52 NM; Width: 20 NM.

① Or as directed by ATC

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR644 (North)	HMN TACAN 358/74 N34°05.00' W105°54.80'	HMN TACAN 358/74 N34°05.00' W105°54.80'	HMN TACAN 043/30 N33°10.10' W105°37.80'	HMN TACAN 043/30 N33°10.10' W105°37.80'	CME VORTAC 278/20 N33°27.00' W105°00.00'	a. 324.400 b. 319.500 c. N/R d. N/R e. 51/114	FL200/FL260	49OSS/OSOS Holloman AFB, NM DSN 572-3536 C505-572-3536	Albuquerque ARCP-257.6 EXIT-257.6	Continuous. Ltd. use weekdays (See Rmks)
(South)	HMN TACAN 066/52 N33°04.00' W105°07.00'	HMN TACAN 066/52 N33°04.00' W105°07.00'	HMN TACAN 015/66 N33°51.50' W105°32.90'	HMN TACAN 015/66 N33°51.50' W105°32.90'	CME VORTAC 278/20 N33°27.00' W105°00.00'				Albuquerque ARCP-284.0 EXIT-257.6	Continuous. Ltd. use weekdays (See Rmks)

ATC ASSIGNED AIRSPACE: N34°05.00' W106°04.00' to N34°05.00' W105°35.50' to N33°34.00' W105°00.00' to N33°10.00' W105°00.00' to N32°57.00' W105°19.50' to N32°56.00' W106°04.00' to beginning.

REMARKS: Track is normally closed to non-49 FW units SR-SS Mon-Fri. Anchor is scheduled on non-interference basis with 49 FW and White Sands Missile Range Operations. Cannot be scheduled if R5109A/B active or by other than 49 FW units if Beak or Cowboy ATCAA in use. Track use may be cancelled with little advance notice due to priority research and development operations. Specify North or South entry in request. All initial scheduling requests should be forwarded to 49 OSS/OSOS for coordination. Caution: ARIP to ARCP headings are not parallel to track orientation.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT	ASSIGNED ARTCC	TIMES OF OPERATION
						LEV VORTAC	LEV VORTAC	LEV VORTAC					
AR645	LKV VORTAC	LKV VORTAC	LKV VORTAC	LKV VORTAC	LKV VORTAC	LKV VORTAC	a. 324.400	FL200/FL230	114 FS Kingsley Field	Seattle	Mon-Fri		
	118/16	118/16	334/59	334/59	269/14	269/14	b. 292.600		- Klamath Falls, OR	ARCP-351.7	0700-1600		
	N42°18.00'	N42°18.00'	N43°28.00'	N43°28.00'	N42°34.00'	N42°34.00'	c. N/R	or as assigned	DSN 830-6686	EXIT-351.7	hours local		
	W120°16.00'	W120°16.00'	W120°40.00'	W120°40.00'	W120°49.00'	W120°49.00'	d. N/R	by ATC					
	LKV VORTAC	LKV VORTAC	LKV VORTAC	LKV VORTAC	LKV VORTAC	LKV VORTAC	e. 50/113						
	318/80	318/80	269/14	315/60	334/59	334/59							
	N43°43.00'	N43°43.00'	N42°34.00'	N43°23.00'	N43°28.00'	N43°28.00'	Big Foot						
	W121°14.00'	W121°14.00'	W120°49.00'	W121°07.00'	W120°40.00'	W120°40.00'	Primary						
				LKV VORTAC	LKV VORTAC	LKV VORTAC	252.0 Sec-						
				269/14	269/14	269/14	ondary						
			N42°34.00'	N42°34.00'	N42°34.00'	364.2							
			W120°49.00'	W120°49.00'	W120°49.00'								
			LKV VORTAC	LKV VORTAC	LKV VORTAC								
			011/11	011/11	011/11								
			N42°39.00'	N42°39.00'	N42°39.00'								
			W120°23.00'	W120°23.00'	W120°23.00'								

ATC ASSIGNED AIRSPACE: N43°38.00' W121°17.00' to N43°45.00' W120°40.00' to N42°24.00' W120°13.00' to N42°18.37' W120°37.43' to N42°17.00' W120°49.00' to beginning.

REMARKS: Military or Seattle ARTCC radar must be operational to conduct refueling.

AR646	LEV VORTAC	LEV VORTAC	LEV VORTAC	LEV VORTAC	LEV VORTAC	LEV VORTAC	a. 238.900	FL240/FL260	5520SS/OSOS	Houston ENTRY	As coordinated
	153/19 ①	153/19	153/89	153/89	N29°10.51'	N29°10.51'	b. 260.200		Tinker AFB, OK		with ATC
	N28°53.00'	N28°53.00'	N27°49.00'	N27°49.00'	W90°06.24'	W90°06.24'	c. N/R		DSN 884-1203/1204		
	W89°57.00'	W89°57.00'	W89°24.00'	W89°24.00'			d. N/R		C405-734-1203/1204		
	LEV VORTAC	LEV VORTAC	LEV VORTAC	LEV VORTAC	LEV VORTAC	LEV VORTAC	e. 30/93				
	126/44 ②	143/111	126/44	141/91	141/91	141/91					
	N28°43.00'	N27°39.50'	N28°43.00'	N27°57.50'	N27°57.50'	N27°57.50'					
	W89°27.00'	W88°54.50'	W89°27.00'	W89°04.00'	W89°04.00'	W89°04.00'					
	LEV VORTAC		LEV VORTAC	LEV VORTAC	LEV VORTAC	LEV VORTAC					
	143/111 ③		126/44	126/44	126/44	126/44					
N27°39.50'		N28°43.00'	N28°43.00'	N28°43.00'	N28°43.00'						
W88°54.50'		W89°27.00'	W89°27.00'	W89°27.00'	W89°27.00'						

ATC ASSIGNED AIRSPACE: N28°48.00' W89°59.50' to N27°32.00' W89°20.00' to N27°44.00' W88°51.00' to N29°00.00' W89°31.00' to beginning.

REMARKS: Restricted to Turbo Jet aircraft from 552 ACW. Houston ARTCC Radar must be operational.

- ① Primary Tanker/Receiver.
- ② Tanker Alternate.
- ③ Receiver Alternate.

NUMBER	ENTRY		ARIP	ANCHOR		ANCHOR PATTERN	EXIT POINTS	CR PLAN		SCHEDULING UNIT	ASSIGNED ARTCC	TIMES OF OPERATION	
	POINTS	POINT		POINT	POINT			MILITARY RADAR	REFUELING ALTITUDES				
AR647	TUS VORTAC	TUS VORTAC	TUS VORTAC	TUS VORTAC	TUS VORTAC	TUS VORTAC	TUS VORTAC	a. 283.900	10000/FL290	56RMO/ASMS	Albuquerque	Unlimited	
	268/39	268/100	268/55	268/100	268/100	268/39	268/39	b. 319.500	(Low Block)	Luke AFB, AZ	ARCP		
	N32°12.50'	N32°22.50'	N32°15.00'	N32°22.50'	N32°22.50'	N32°12.50'	N32°12.50'	c. N/R	10,000/17,000	DSN 896-7654			
	W111°40.50'	W112°51.00'	W111°59.00'	W112°51.00'	W112°51.00'	W111°40.50'	W111°40.50'	d. N/R	(Mid Block) FL	C623-856-7654			
		258/102		258/102				e. 30/93	180/FL 230				
		N32°04.00'		N32°04.00'				(MAIN	(High Block) FL				
		W112°55.00'		W112°55.00'				RECORD IS	240/FL 290				
		TUS VORTAC		TUS VORTAC				FOR LOW):					
		249/59		249/59				(Mid)					
		N31°56.50'		N31°56.50'				a.-295.4					
		W112°03.00'		W112°03.00'				b.-319.5					
		TUS VORTAC		TUS VORTAC				c.N/R					
		268/55		268/55				d.N/R					
		N32°15.00'		N32°15.00'				e.-52/115					
		W111°59.00'		W111°59.00'				(High)					
							a.-283.9						
							b.-319.5						
							c.N/R						
							d.N/R						
							e.-30/93						
							MRU Pri-						
							many High						
							254.5/120.5						
							5 Primary						
							Mid/Low						
							264.7/120.5						
							5 or as						
							assigned						

ATC ASSIGNED AIRSPACE: N32°11.00' W111°39.00' to N32°19.50' W111°47.50' to N32°29.00' W113°05.00' to N32°24.50' W113°11.50' to N32°08.50' W113°15.00' to N32°01.50' W113°08.00' to N31°51.00' W111°55.00' to N31°52.00' W111°43.00' to beginning.

REMARKS: AR647 lies within the Sells MOA/ATCAA and Barry M. Goldwater Range East (BMGR-E) airspace. All aircraft operating in the Sells MOA/ATCAA, the BMGR-E and AR647 will use the Gila Bend (KGXF) altimeter setting. Normally restricted to night time refueling only, due to heavy military aerial activity within the Sells MOA/ATCAA and the BMGR-E airspace, day-time refueling in AR647 must be authorized/scheduled by the 56 RMO/ASMS. Contact Gila Bend Range Operations (C/S Snake Eye) on 264.125/122.775 prior to entering and exiting AR647. Snake Eye is not an ATC facility, an ATC clearance from Albuquerque Center will be required prior to leaving the airspace. The Low and High blocks will not be scheduled at the same time. The receiver unit must coordinate GCI operations with the 607th Air Control Squadron (C/S O'Grady) (DSN:896-3883/3880) and the scheduled tanker unit.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR647A	TUS VORTAC	TUS VORTAC	TUS VORTAC	TUS VORTAC	TUS VORTAC	a. 283.900	10000/14000	56RMO/ASMS	Albuquerque	See Remarks
	269/55	269/39	269/55	269/55	269/55	b. 319.500		Luke AFB, AZ	ARCP	
	N32°15.50'	N32°13.00'	N32°15.50'	N32°15.50'	N32°15.50'	c. N/R		DSN 896-7654		
	W111°58.50'	W111°40.00'	W111°58.50'	W111°58.50'	W111°58.50'	d. N/R		C623-856-7654		
	TUS VORTAC		TUS VORTAC	TUS VORTAC	TUS VORTAC	e. 30/93				
	268/85		268/85	268/85	268/85					
	N32°20.50'		N32°20.50'	N32°20.50'	N32°20.50'	MRU				
	W112°34.00'		W112°33.50'	W112°33.50'	W112°34.00'	264.7/120.5				
			TUS VORTAC	TUS VORTAC	TUS VORTAC	or as				
			256/86	256/86	256/86	assigned				
		N32°01.50'	N32°01.50'	N32°01.50'						
		W112°36.50'	W112°36.50'	W112°36.50'						
		TUS VORTAC	TUS VORTAC	TUS VORTAC						
		249/59	249/59	249/59						
		N31°56.50'	N31°56.50'	N31°56.50'						
		W112°03.00'	W112°03.00'	W112°03.00'						

ATC ASSIGNED AIRSPACE: N32°11.00' W111°39.00' to N32°19.50' W111°47.50' to N32°29.00' W113°05.00' to N32°24.50' W113°11.50' to N32°08.50' W113°15.00' to N32°01.50' W113°08.00' to N31°51.00' W111°55.00' to N31°52.00' W111°43.00' to beginning.

REMARKS: AR647A lies entirely within the Sells MOA. All aircraft operating in the Sells MOA/ATCAA, and AR647A will use the Gila Bend AFAF (Range Operations) current altimeter setting. Unless specifically requested, approved, and scheduled by the 56 RMO/ASMS, AR647A is restricted for nighttime refueling by 355 WG A-10 aircraft only. It is restricted to two nights per week due to other training requirements in the Sells MOA. AR647A will not be scheduled when AR647 low or medium blocks are scheduled. Contact Gila Bend Range Operations on 120.55/264.125 prior to entering and exiting AR647A. Due to other training in the Sells MOA/ATCAA at 15,000' and above aircraft entering and exiting AR647A must be between 10,000' and 14,000' unless Range Operations confirms that there is no other aircraft activity in the Sells MOA/ATCAA. Tanker aircraft plan to enter/exit at the primary entry/exit point TUS 269/55. Refueling aircraft scheduled for operations on the Goldwater Range may exit at the alternate entry/exit point TUS 269/85.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	RADAR ALTITUDES	SCHEDULING UNIT	ASSIGNED ARTCC	TIMES OF OPERATION	CR PLAN	
										MILITARY REFUELING	MILITARY REFUELING SCHEDULING UNIT
AR648A	BAM VORTAC	BAM VORTAC	BAM VORTAC	BAM VORTAC	BAM VORTAC	a. 238.900	151AREFG	Salt Lake City	Unlimited	FL190/FL230	151AREFG
	045/20	045/20	045/90	045/90	359/31	b. 256.650	Salt Lake City, UT	ARCP-269.0			
	N40°43.20'	N40°43.20'	N41°14.20'	N41°14.20'	N41°03.90'	c. N/R	DSN 245-2274/2273	EXIT-363.15			
	W116°31.80'	W116°31.80'	W115°08.70'	W115°08.70'	W116°43.30'	d. N/R	C801-245-2274/2273				
					BAM VORTAC	e. 51/114					
				032/91	045/105						
				N41°32.10'	N41°20.80'						
				W115°22.20'	W114°50.80'						
				BAM VORTAC							
				018/45							
				N41°10.60'							
				W116°20.20'							
				BAM VORTAC							
				045/40							
				N40°52.20'							
				W116°08.20'							
				BAM VORTAC							
				045/90							
				N41°14.20'							
				W115°08.70'							
				BAM VORTAC							
				032/91							
				N41°32.10'							
				W115°22.20'							

ATC ASSIGNED AIRSPACE: N40°41.30' W116°27.90' to N41°17.40' W114°48.70' to N41°42.90' W115°04.50' to N41°06.40' W116°45.40' to beginning.

REMARKS: None

AR648B	BAM VORTAC	BAM VORTAC	BAM VORTAC	BAM VORTAC	BAM VORTAC	a. 238.900	151AREFG	Salt Lake City	Unlimited	FL190/FL230	151AREFG
	035/110	035/110	018/45	018/45	359/31	b. 256.650	Salt Lake City, UT	ARCP-269.0			
	N41°39.50'	N41°39.50'	N41°10.60'	N41°10.60'	N41°03.90'	c. N/R	DSN 245-2274/2273	EXIT-363.15			
	W114°57.80'	W114°57.80'	W116°20.20'	W116°20.20'	W116°43.30'	d. N/R	C801-245-2274/2273				
					BAM VORTAC	e. 51/114					
				045/40	045/105						
				N40°52.20'	N41°20.80'						
				W116°08.20'	W114°50.80'						
				BAM VORTAC							
				045/90							
				N41°14.20'							
				W115°08.70'							
				BAM VORTAC							
				032/91							
				N41°32.10'							
				W115°22.20'							

ATC ASSIGNED AIRSPACE: N40°41.30' W116°27.90' to N41°17.40' W114°48.70' to N41°42.90' W115°04.50' to N41°06.40' W116°45.40' to beginning.

REMARKS: None

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION	
							MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT			
AR649	EED VORTAC	EED VORTAC	EED VORTAC	EED VORTAC	EED VORTAC	EED VORTAC	a. 286.300	08000/10000	755 OSS,	Los Angeles	As coordinated	
	224/47	224/47	137/27	137/27	137/27	224/47	b. 319.500	10000/FL220	Davis-Monthan AFB,	ARCP	with 755 OSS.	
	N34°22.00'	N34°22.00'	N34°22.00'	N34°22.00'	N34°22.00'	N34°22.00'	c. N/R	AZ			755 OSS will	
	W115°17.00'	W115°17.00'	W114°13.00'	W114°13.00'	W114°13.00'	W115°17.00'	d. N/R	DSN 228-5329			schedule and	
	EED VORTAC	EED VORTAC	EED VORTAC	EED VORTAC	EED VORTAC	EED VORTAC	e. 50/113	C520-228-5329			coordinate Tur-	
	109/23	109/23	235/37	235/37	120/18	109/23					tle	
	N34°33.00'	N34°33.00'	N34°33.00'	N34°33.00'	N34°33.00'	N34°33.00'					MOA/ATCAA	
	W114°05.00'	W114°05.00'	W115°10.00'	W115°10.00'	W114°13.00'	W114°05.00'					with MCAS	
					EED VORTAC							YUMA.
					235/37							
				N34°33.00'								
				W115°10.00'								
				EED VORTAC								
				220/42								
				N34°22.00'								
				W115°10.00'								

ATC ASSIGNED AIRSPACE: N34°42.00' W115°16.00' to N34°40.00' W114°00.00' to N34°23.00' W114°00.00' to N34°14.00' W114°30.00' to N34°14.00' W115°30.00' to N34°19.00' W115°25.00' to beginning.

REMARKS: For simultaneous refueling within AR649, ZLA requires 3000' separation between altitude blocks. EC-130H aircraft will normally enter at EED 109/23. Turtle MOA/ATCAA must be active for track use.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ARTCC	TIMES OF OPERATION	
							MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT			
AR650	FST VORTAC	FST VORTAC	FST VORTAC	FST VORTAC	FST VORTAC	FST VORTAC	a. 295.800	FL180/FL290	47 FTW/86 FTS	Albuquerque	Unlimited	
	195/74 ①	195/32 ③	195/74	195/74	195/74	162/38	b. 260.200	Laughlin AFB, TX.	ARCP			
	N29°50.37'	N30°28.28'	N29°50.37'	N29°50.37'	N29°50.37'	N30°19.55'	c. N/R	or as assigned	(SS-SR, 7 OSS/OSOS)	EXIT		
	W103°35.84'	W103°14.78'	W103°35.84'	W103°35.84'	W103°35.84'	W102°52.95'	d. N/R	by ATC	DSN 732-5584 (SS-SR,			
	FST VORTAC		FST VORTAC		FST VORTAC		e. 50/113		461-3665)			
	195/14 ②		179/77		179/77				C830-298-5584			
	N30°44.51'		N29°41.52'		N29°41.52'				(SS-SR, 325-696-3665)			
	W103°05.66'		W103°14.38'		W103°14.38'							
			FST VORTAC		FST VORTAC							
			162/38		162/38							

ATC ASSIGNED AIRSPACE: N30°43.90' W103°00.50' to N30°38.60' W102°47.90' to N30°17.90' W102°48.80' to N29°39.30' W103°10.40' to N29°25.70' W103°28.50' to N29°30.90' W103°41.00' to N29°51.60' W103°40.20' to N30°30.40' W103°18.70' to beginning.

REMARKS: SODAR not authorized.

- ① Tankers.
- ② Receivers.
- ③ Receiver Holding (Non-RADAR)

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR652 (North)	MRF VOR-DME 343/16	MRF VOR-DME 343/16	MRF VOR-DME 308/52	MRF VOR-DME 308/52	MRF VOR-DME 308/52	a. 249.525 b. 255.775	12000/18000	49OSS/OSOS Holloman AFB, NM	Albuquerque ARCP-343.6	Continuous
	N30°33.80' W103°59.10'	N30°33.80' W103°59.10'	N30°57.20' W104°36.80'	N30°57.20' W104°36.80'	N30°57.20' W104°36.80'	c. N/R d. N/R e. 29/92	DSN 572-3536 C505-572-3536	EXIT-343.6		
(South)				HUP VORTAC 140/15						
				N31°20.50'						
				W105°14.10'						
				HUP VORTAC 177/30						
				N31°04.80'						
				W105°28.20'						
				MRF VOR-DME 286/51						
				N30°40.90'						
				W104°50.10'						
				HUP VORTAC 177/30						
	HUP VORTAC 219/23	HUP VORTAC 219/23	HUP VORTAC 177/30	HUP VORTAC 177/30	MRF VOR-DME 308/52					
	N31°19.60' W105°43.20'	N31°19.60' W105°43.20'	N31°04.80' W105°28.20'	N31°04.80' W105°28.20'	N30°57.20' W104°36.80'					
			MRF VOR-DME 286/51							
			N30°40.90'							
			W104°50.10'							
			MRF VOR-DME 308/52							
			N30°57.20' W104°36.80'							
			HUP VORTAC 140/15							
			N31°20.50' W105°14.10'							

ATC ASSIGNED AIRSPACE: None.

REMARKS: Anchor is scheduled on non-interference basis with Valentine MOA.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR652A	HUP VORTAC 219/23 N31°19.60' W105°43.20'	HUP VORTAC 219/23 N31°19.60' W105°43.20'	HUP VORTAC 177/30 N31°04.80' W105°28.20'	HUP VORTAC 177/30 N31°04.80' W105°28.20' MRF VOR-DME 280/32 N30°29.50' W104°31.70' MRF VOR-DME 317/33 N30°45.50' W104°17.60' HUP VORTAC 140/15 N31°20.50' W105°14.10'	MRF VOR-DME 308/52 N30°57.20' W104°36.80'	a. 249.525 b. 255.775 c. N/R d. N/R e. 29/92	15000/FL200	49OSS/OSOS Holloman AFB, NM DSN 572-3536	Albuquerque ARCP-343.6 EXIT-343.6	Continuous
ATC ASSIGNED AIRSPACE: None.										
REMARKS: For entry from the west-northwest. Track will not be used simultaneously with AR652 (North/South). Usage will be deconflicted with IR-178.										
AR652B	MRF VOR-DME 343/16 N30°33.80' W103°59.10'	MRF VOR-DME 343/16 N30°33.80' W103°59.10'	MRF VOR-DME 317/33 N30°45.50' W104°17.60'	MRF VOR-DME 317/33 N30°45.50' W104°17.60' HUP VORTAC 140/15 N31°20.50' W105°14.10' HUP VORTAC 177/30 N31°04.80' W105°28.20' MRF VOR-DME 280/32 N30°29.50' W104°31.70'	MRF VOR-DME 308/52 N30°57.20' W104°36.80'	a. 249.525 b. 255.775 c. N/R d. N/R e. 29/92	15000/FL200	49OSS/OSOS Holloman AFB, NM DSN 572-3536	Albuquerque ARCP-343.6 EXIT-343.6	Continuous
ATC ASSIGNED AIRSPACE: None.										
REMARKS: For entry from the east-southeast. Track will not be used simultaneously with AR652 (North/South). Usage will be deconflicted with IR-178.										

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR653	SLN VORTAC	SLN VORTAC	SLN VORTAC	SLN VORTAC	SLN VORTAC	FL180/FL220	22OSS/OSOS, McCo- nnell AFB, Wichita KS	Kansas City	As scheduled	
	308/42 ①	033/66	308/42	308/42	308/42	a. 324.600		ARCP-363.2		
	N39°25.50'	N39°46.00'	N39°25.50'	N39°25.50'	N39°25.50'	b. 260.200		EXIT-363.2		
	W98°15.50'	W96°42.00'	W98°15.50'	W98°15.50'	W98°15.50'	c. N/R				
	SLN VORTAC	SLN VORTAC	SLN VORTAC	SLN VORTAC	SLN VORTAC	d. N/R	(1400-2100Z++ wkld)			
	033/31 ①	266/53	033/31	288/26	288/26	e. 29/92	C316 759-4593, 2293			
	N39°19.00'	N38°58.00'	N39°19.00'	N39°06.50'	N39°06.50'	Jayhawk				
	W97°12.00'	W98°45.00'	W97°12.00'	W98°08.00'	W98°08.00'	Primary				
	SLN VORTAC			SLN VORTAC	SLN VORTAC	228.95 Sec-				
	266/53 ②			033/31	033/31	ondary				
	N38°58.00'			N39°19.00'	N39°19.00'	303.0				
	W98°45.00'			W97°12.00'	W97°12.00'					
	SLN VORTAC			SLN VORTAC	SLN VORTAC					
033/66 ②			011/45	011/45						
N39°46.00'			N39°38.00'	N39°38.00'						
W96°42.00'			W97°19.00'	W97°19.00'						

ATC ASSIGNED AIRSPACE: ADA East and West ATCAA N39°01.97' W97°50.27' to N39°08.00' W98°30.00' to N39°37.50' W97°39.00' to N39°46.50' W97°00.00' to N39°05.50' W97°00.00' to N39°01.43' W97°23.90' along 12NM arc SLN VORTAC to beginning.

REMARKS: MAPSA is applicable between refueling operations in AR653 and other simultaneous activity in ADA East and West MOA/ATCAA. Kansas City ARTCC or Jayhawk military radar must be operational.

- ① Tanker.
- ② Receiver.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION	
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT			
AR654	PDT VORTAC	PDT VORTAC	PDT VORTAC	PDT VORTAC	PDT VORTAC	a. 341.400	10000/16000	W AD Sector	Seattle	Unlimited	
	223/41	223/41	043/10	043/10	043/10	b. 260.200		McChord AFB, WA	ARCP		
	N45°23.00'	N45°23.00'	N45°46.30'	N45°46.30'	N45°46.30'	c. N/R		DSN 382-4604			
	W119°48.30'	W119°48.30'	W118°44.00'	W118°44.00'	W118°44.00'	d. N/R					
	PDT VORTAC	PDT VORTAC	PDT VORTAC	PDT VORTAC		e. 55/118					
	223/20		099/18								
	N45°32.60'		N45°33.00'								
	W119°22.00'		W118°34.00'								
			PDT VORTAC								
			187/26								

ATC ASSIGNED AIRSPACE: None.

REMARKS: This AR is restricted to aircraft deployed to WADS, Det 1 Close Air Support (CAS) Unit by FAA Letter of Agreement. Aircraft other than A-10s are required to coordinate 7 days in advance to schedule the AR654. FAA Seattle ARTCC may approve use on a case-by-case basis, contact WADS/DORS, McChord AFB for information. Anchor has right-hand pattern to expedite flow and allow tanker and receiver to hold on PDT VORTAC 223/043 radial.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
							MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR655	SRQ VOR-DME	SRQ VOR-DME	SRQ VOR-DME	SRQ VOR-DME	SRQ VOR-DME	SRQ VOR-DME	a. 276.500	FL200/FL280	347 Rescue Wing,	Miami	Unlimited as coordinated with scheduling unit
	289/87 ①	277/24	276/85	276/85	276/85	299/49 ①	b. 343.250	MacDill AFB, FL	ARCP-307.3		
	N27°45.00'	N27°25.00'	N27°25.00'	N27°25.00'	N27°25.00'	N27°44.00'	c. N/R	DSN 968-4641	EXIT-304.3		
	W84°09.00'	W83°01.00'	W84°09.00'	W84°09.00'	W84°09.00'	W83°24.00'	d. N/R	C813-828-4641			
	SRQ VOR-DME		SRQ VOR-DME	SRQ VOR-DME	SRQ VOR-DME	SRQ VOR-DME	e. 52/115				
	275/45 ①		289/87	276/85 ①	276/85 ①	275/45 ②					
	N27°24.00'		N27°45.00'	N27°25.00'	N27°25.00'	N27°24.00'	Alleycat				
	W83°24.00'		W84°09.00'	W84°09.00'	W84°09.00'	W83°24.00'	364.1				
	SRQ VOR-DME		SRQ VOR-DME	SRQ VOR-DME	SRQ VOR-DME	SRQ VOR-DME					
	277/24 ②		299/49	275/45 ②	289/87 ②	275/45 ②					
N27°25.00'		N27°44.00'	N27°24.00'	N27°24.00'	N27°45.00'						
W83°01.00'		W83°24.00'	W83°24.00'	W83°24.00'	W84°09.00'						
			SRQ VOR-DME	SRQ VOR-DME	SRQ VOR-DME						
			299/49 ②	299/49 ②	299/49 ②						
			N27°44.00'	N27°44.00'	N27°44.00'						
			W83°24.00'	W83°24.00'	W83°24.00'						

ATC ASSIGNED AIRSPACE: N27°21.50' W83°05.00' to N27°21.50' W84°28.00' to N27°48.50' W84°28.00' to N27°48.50' W83°05.00' to beginning.

REMARKS:

- ① Tankers.
- ② Receivers. a.-Receiver holdings shall be at anchor point right turns. b.-Miami ARTCC radar must be operational. c.-Operations by MRU must be individually coordinated. d.-ATC may assign altitudes below FL 240.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR658	FLG VOR-DME 082/29 N35°05.50' W111°05.00'	FLG VOR-DME 125/21 N34°53.00' W111°24.00'	FLG VOR-DME 053/75 N35°37.00' W110°16.00'	FLG VOR-DME 053/75 N35°37.00' W110°16.00'	FLG VOR-DME 082/29 N35°05.50' W111°05.00'	a. N/R b. N/R c. N/R d. N/R e. N/R	FL180/FL290 (High Block) FL 240/FL 290 (Low Block) FL 180/FL 230	56OSS/OSRS Luke AFB, AZ DSN 896-7654 C623-856-7654	Albuquerque ARCP	Unlimited
	DRK VORTAC 064/55 N34°53.00' W111°24.00'	FLG VOR-DME 038/21 N35°22.00' W111°20.00'	FLG VOR-DME 038/73 N35°53.50' W110°30.50'	FLG VOR-DME 038/73 N35°53.50' W110°30.50'	FLG VOR-DME 038/73 N35°53.50' W110°30.50'	(High Block) a.-Primary 286.2 Back-up 347.2 b.-384.6 c.N/R d.N/R e.-33/96 (Low Block) a.-391.8 b.-318.0 c.N/R d.NR e.-29/92				

ATC ASSIGNED AIRSPACE: N35°08.50' W111°34.00' to N35°22.00' W111°28.00' to N36°00.50' W110°29.00' to N36°03.00' W110°13.00' to N35°51.00' W110°01.00' to N35°38.00' W110°06.00' to N34°59.00' W111°07.00' to N34°58.00' W111°23.00' to beginning.

REMARKS: Receivers will hold at the ARIP (FL 240 High Block, FL 180 Low Block or as assigned by ATC) until cleared to the entry point by the tanker aircraft.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR659	BVL VORTAC 243/28 N40°36.00' W114°21.00'	BVL VORTAC 238/58 N40°22.80' W114°56.90'	BVL VORTAC 210/82 N39°42.60' W114°56.90'	BVL VORTAC 210/82 N39°42.60' W114°56.90'	BVL VORTAC 242/27 N40°36.00' W114°20.00'	a. 289.650 b. 305.500 c. N/R d. N/R e. 50/113	FL180/FL280	388RANS/RST Hill AFB, UT DSN 777-4401 C801-777-4401	Salt Lake City ARCP	Mon-Thu 1400-0700Z++, Fri 1400-0000Z++, Sat 1st & 3rd 1500-2300Z++, closed Sun.
						Rendez- vous 289.65. Clover Con- trol Primary 363.5, Sec- ondary 134.1.				
ATC ASSIGNED AIRSPACE: N40°36.00' W114°27.00' to N40°36.00' W114°51.00' to N40°24.30' W115°06.00' to N39°42.35' W115°06.00' to N39°23.00' W114°49.10' to N39°23.00' W114°27.03' to beginning.										
REMARKS: Refueling operations must be scheduled in advance with 388 RANS/RST DSN 777-4401 during normal duty hours. Primary Boom frequency 305.5.										
AR660	PAM TACAN 089/33 N30°04.80' W84°56.50'	PAM TACAN 089/33 N30°04.80' W84°56.50'	PAM TACAN 020/30 N30°32.00' W85°22.50'	PAM TACAN 089/33 N30°04.80' W84°56.50'	PAM TACAN 070/27 N30°13.80' W85°05.00'	a. 357.500 b. 339.625 c. N/R d. N/R e. 17/80	FL240/FL280	325OSS/OSO Tyndall AFB, FL DSN 523-3401 C850-283-3401	Jacksonville ARCP-379.2	
ATC ASSIGNED AIRSPACE: None.										
REMARKS: Boom frequency 277.15										

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN		ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY REFUELING RADAR	SCHEDULING UNIT		
AR667	NLC TACAN	NLC TACAN	NLC TACAN	NLC TACAN	NLC TACAN	08000/FL190	C5FWP Lemoore	Lemoore	1600-0800Z++
	136/48	136/48	316/12	316/12	317/22	b. 264.900	NAS, CA	RATCF	Mon-Thu;
	N35°39.00'	N35°39.00'	N36°31.10'	N36°31.10'	N36°40.00'	c. N/R	DSN 949-1034	Lemoore NAS,	1600-0200Z++
	W119°29.00'	W119°29.00'	W120°05.40'	W120°05.40'	W120°11.30'	d. N/R		CA	Fri;
	NLC TACAN	NLC TACAN	NLC TACAN	NLC TACAN	NLC TACAN	e. 55/118		ARCP-286.0	1800-0200Z++
	269/17 ①	269/17	269/17	269/17	158/32 ①				Sat;
	N36°24.50'	N36°24.50'	W120°18.40'	N36°24.50'	N35°48.90'				2100-0500Z++
	W120°18.40'	W120°18.40'	NLC TACAN	W120°18.40'	W119°52.50'				Sun. (Hol hr)③
	NLC TACAN	NLC TACAN	NLC TACAN	NLC TACAN	NLC TACAN				
	158/32 ②	158/32	158/32	158/32	269/17 ②				
N35°48.90'	N35°48.90'	W119°52.50'	N35°48.90'	N36°24.50'					
W119°52.50'	W119°52.50'	NLC TACAN	W119°52.50'	W120°18.40'					
		136/30							
		N35°54.60'							
		W119°39.50'							

ATC ASSIGNED AIRSPACE: N36°42.00' W119°59.00' to N36°41.00' W120°09.00' to N36°32.00' W120°30.00' to N36°29.50' W120°30.00' to N35°42.50' W119°55.00' to N35°38.00' W119°30.00' to N35°49.70' W119°22.30' to N36°35.00' W119°45.00' to beginning.

REMARKS: Radar monitoring required to conduct air refueling. RATCF radar must be operational. Pattern length: 44 NM; width: 12 NM. To be used only by CSFWP Squadrons.
 ① Entry/Exit Point(s) for Rwy 32 departures/arrivals.
 ② Entry/Exit Point(s) for Rwy 14 departures/arrivals.
 ③ Non-operational on all federal holidays as follows: a.-Closed 0200Z++ Thursday until 1600Z++ Monday if holiday is observed on Friday; b.-Closed 0200Z++ Friday until 1600Z++ Tuesday if holiday is observed on Monday; c.-Closed 0200Z++ day prior until 1600Z++ day following if holiday is observed on other days.

AR669	MMB VORTAC	MMB VORTAC	MMB VORTAC	MMB VORTAC	MMB VORTAC	FL250/FL270	71 OSS/OSOP, Vance	Kansas City	Unlimited	
	080/100	080/100	080/40	080/40	094/83	b. 384.600	AFB, OK, Liberty Ops	ARCP-133.2/26		
	N36°19.60'	N36°19.60'	N36°20.50'	N36°20.50'	N35°59.90'	c. N/R	DSN 448-7820, FAX	3.1		
	W97°48.70'	W97°48.70'	W99°03.10'	W99°03.10'	W98°13.30'	d. N/R	448-7705	ARIP-133.2/263.		
	MMB VORTAC	MMB VORTAC	MMB VORTAC	MMB VORTAC	MMB VORTAC	e. 55/118				
	125/28	125/28	094/83	107/45	080/40				1	
	N36°00.80'	N36°00.80'	N35°59.90'	N36°00.50'	N36°20.50'					
	W99°28.30'	W99°28.30'	W98°13.30'	W99°03.20'	W99°03.10'					
			MMB VORTAC	MMB VORTAC						
			094/83							
		N35°59.90'								
		W98°13.30'								
		MMB VORTAC								
		080/80								
		N36°19.90'								
		W98°13.50'								

ATC ASSIGNED AIRSPACE: N36°25.00' W99°24.00' to N36°24.00' W97°51.00' to N35°58.00' W97°51.00' to N35°55.00' W98°00.00' to N35°56.00' W99°24.00' to beginning.

REMARKS: Available to all military units on a first come, first served basis. Kansas City ARTCC radar must be operational.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR672	CIM VORTAC 164/42 N35°47.20' W104°49.60'	CIM VORTAC 121/43 N35°59.50' W104°13.60'	CIM VORTAC 087/80 N36°15.20' W103°14.70'	CIM VORTAC 087/80 N36°15.20' W103°14.70'	CIM VORTAC 101/29 N36°17.80' W104°19.80'	a. 249.500 b. 310.425 c. N/R d. N/R e. 15/78	11000/17000	27SOAOS/DOOS CannonAFB,NM 27SOAOS.DOOS@us.af.mil DSN 681-2276/7634 C575-784-2276/7634	Albuquerque ARCP-127.85/3 51.7	Unlimited as coordinated with the scheduling activity and upon request and approval by ATC.

ATC ASSIGNED AIRSPACE: N36°40.40' W103°20.80' to N36°40.10' W103°06.00' to N36°22.70' W102°56.50' to N36°12.40' W103°03.90' to N35°53.50' W104°16.70' to N35°54.40' W104°31.70' to N36°14.00' W104°38.50' to N36°21.70' W104°26.00' to beginning.

REMARKS: Supporting ATCAA available upon pilot request and ATC approval.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION	
							MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT			
AR674	GUP VORTAC	GUP VORTAC	GUP VORTAC	GUP VORTAC	GUP VORTAC	GUP VORTAC	a. 341.400	13000/FL180	58OSS/OSSO	Albuquerque	Intermittent by	
	046/60	043/47	263/28	263/28	263/28	255/40	b. 260.200	Kirtland AFB, NM	ARCPC-128.8/30	7.2	NOTAM	
	N35°58.20'	N35°54.00'	N35°32.00'	N35°32.00'	N35°32.00'	N35°28.00'	c. N/R	DSN				
	W107°48.00'	W108°04.00'	W109°26.50'	W109°26.50'	W109°26.50'	W109°41.00'	d. N/R	263-5979/5888/5701				
	GUP VORTAC	GUP VORTAC	GUP VORTAC	GUP VORTAC	GUP VORTAC	GUP VORTAC	e. 55/118	C505-853-5979/5888/5701				
	226/40	220/26	068/46	068/46	220/26	065/60						
	N35°08.50'	N35°13.00'	N35°35.00'	N35°35.00'	N35°13.00'	N35°39.30'						
	W109°34.00'	W109°18.50'	W107°56.30'	W109°18.50'	W109°18.50'	W107°40.00'						
				GUP VORTAC	GUP VORTAC							
				068/46	068/46							
			N35°35.00'	N35°35.00'								
			W107°56.30'	W107°56.30'								
			GUP VORTAC	GUP VORTAC								
			043/47	043/47								
			N35°54.00'	N35°54.00'								
			W108°04.00'	W108°04.00'								

ATC ASSIGNED AIRSPACE: N35°23.70' W109°44.50' to N35°28.00' W109°41.00' to N35°33.00' W109°35.00' to N35°36.00' W109°28.00' to N35°58.00' W108°05.50' to N35°59.00' W107°56.00' to N35°58.30' W107°48.00' to N35°57.00' W107°43.00' to N35°43.00' W107°37.50' to N35°39.30' W107°40.00' to N35°33.50' W107°47.00' to N35°31.00' W107°54.50' to N35°09.00' W109°17.00' to N35°08.00' W109°25.00' to N35°08.50' W109°34.00' to N35°10.00' W109°39.00' to beginning.

REMARKS: For the purpose of separation between participating and non-participating aircraft, ATC shall regard AR674 as a linear refueling track unless the tanker or receiver pilot specifically requests AR674 as an anchor track prior to entering assigned airspace. When ATC assigns AR674 as a linear track, participating aircraft will not deviate more than 3 NM from depicted track nor reverse course without ATC clearance. Due to mountainous terrain KC-135 aircraft are restricted to a minimum base A/R altitude of 14,000'. Receiver toboggan training will be restricted to the northern leg between the GUP 043/47 and the GUP 263/28 Navigation Points. KC-135s will not descend below 13,000' during the toboggan.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN			ASSIGNED ARTCC	TIMES OF OPERATION
						MILITARY RADAR	REFUELING ALTITUDES	SCHEDULING UNIT		
AR678	RAP VORTAC	RAP VORTAC	RAP VORTAC	RAP VORTAC	RAP VORTAC	a. 280.400	FL190/FL260	28OSS/OSXS	Denver	Unlimited
	285/82	273/70	212/70	212/70	199/82	b. 377.700		Ellsworth AFB, SD	ARCP-338.2	
	N44°36.50'	N44°17.50'	N43°09.00'	N43°09.00'	N42°49.00'	c. N/R		DSN 675-4246 (After		
	W104°41.50'	W104°34.00'	W104°08.00'	W104°08.00'	W104°00.50'	d. N/R		hours Raymond 33,		
	RAP VORTAC		RAP VORTAC	RAP VORTAC		e. 54/117		675-3800)		
	188/70		202/53	202/53				C605-385-4246		
	N42°53.50'		N43°14.50'	N43°14.50'						
	W103°35.00'		W103°42.00'	W103°42.00'						
			RAP VORTAC	RAP VORTAC						
			284/54	284/54						

ATC ASSIGNED AIRSPACE: None.

REMARKS: Must specify altitude block necessary to perform mission. Recommend tankers use South entry point. Maneuvering within orbit authorized. If the Powder River Training complex is active (including the Gateway ATCAA), tankers must stay South of the N44 latitude.

AR683	BTG VORTAC	BTG VORTAC	BTG VORTAC	BTG VORTAC	BTG VORTAC	a. 343.500	FL240/FL260	123F5, Portland, OR	Seattle
	208/61	208/61	262/46	262/46	274/49	b. 292.600		DSN 638-4390/5186	ARCP-279.6
	N45°05.00'	N45°05.00'	N45°55.00'	N45°55.00'	N46°05.00'	c. N/R		C503-335-4390/5186	EXIT-279.6
	W123°40.00'	W123°40.00'	W123°40.00'	W123°40.00'	W123°40.00'	d. N/R			
			BTG VORTAC	BTG VORTAC		e. 31/94			
			261/52	261/52					
			N45°55.00'	N45°55.00'					
			W123°49.00'	W123°49.00'					
			BTG VORTAC	BTG VORTAC					
			239/53	239/53					

ATC ASSIGNED AIRSPACE: Eel ATCAA, altitudes are FL180 up to and including FL270. N46°09.59' W124°20.05' to N44°54.02' W124°20.04' to N44°50.35' W124°21.21' to N44°37.59' W124°28.04' to N45°07.00' W123°30.00' to N46°07.00' W123°30.00' to N46°20.00' W123°50.00' to N46°20.00' W124°20.00' to beginning.

REMARKS: Military radar or Seattle ARTCC radar must be operational to conduct refueling. Contact scheduling authority prior to conducting simultaneous AR-628 operations.

NUMBER	ENTRY POINTS	ARIP	ANCHOR POINT	ANCHOR POINT	ANCHOR PATTERN	EXIT POINTS	CR PLAN		SCHEDULING UNIT	ASSIGNED ARTCC	TIMES OF OPERATION
							MILITARY RADAR ALTITUDES	REFUELING ALTITUDES			
AR685	GEG VORTAC 164/43 N46°51.08' W117°43.07'	GEG VORTAC 164/43 N46°51.08' W117°43.07'	GEG VORTAC 101/81 N46°50.26' W115°57.55'	GEG VORTAC 101/81 N46°50.26' W115°57.55'	GEG VORTAC 101/81 N46°50.26' W115°57.55' GEG VORTAC 087/72 N47°10.92' W115°57.22' GEG VORTAC 170/22 N47°12.31' W117°43.77' GEG VORTAC 164/43 N46°51.08' W117°43.07'	GEG VORTAC 170/22 N47°12.31' W117°43.77'	a. 282.000 b. 305.350 c. N/R d. N/R e. 50/113	FL210/FL230	62OSS/OSO McChord Fld, WA DSN 382-9925 C253-982-9925	Seattle ARCP-119.225E EXIT-119.225W	Continuous
ATC ASSIGNED AIRSPACE: None.											
REMARKS: Anchor to be used by C-17 and tanker aircraft only. After duty hours contact McChord Fld Command Post at DSN 382-2635 or C253-982-2635. Deconflict with AR337 and AR338.											
AR716	RSW VORTAC 291/45 N26°46.00' W82°34.00'	RSW VORTAC 291/45 N26°46.00' W82°34.00'	RSW VORTAC 290/119 N27°08.00' W83°54.00'	RSW VORTAC 290/119 N27°08.00' W83°54.00'	RSW VORTAC 290/119 N27°08.00' W83°54.00' RSW VORTAC 281/121 N26°49.00' W84°00.00' RSW VORTAC 272/72 N26°32.00' W83°07.00' RSW VORTAC 290/69 N26°53.00' W83°00.00'	SRO VOR-DME 198/20 N27°05.00' W82°39.00'	a. 283.900 b. 342.550 c. N/R d. N/R e. 50/113	FL220/FL280	347 Rescue Wing, MacDill AFB, FL DSN 968-4641 C813-828-4641	Miami ARCP-363.1 EXIT-363.1	Unlimited as coordinated with the scheduling unit
ATC ASSIGNED AIRSPACE: N26°10.00' W82°17.00' to N26°10.00' W84°40.00' to N27°19.00' W84°40.00' to N27°19.00' W82°47.00' to beginning.											
REMARKS: W168 is a joint use warning area, therefore the anchor area may only be used when W168 is released to the Using Agency, except as specified by Miami ARTCC/9th AIR FORCE Letter Of Agreement.											