

**CLEVELAND ARTCC AND INDIANAPOLIS ARTCC
LETTER OF AGREEMENT**

SUBJECT: INTERFACILITY COORDINATION

EFFECTIVE: July 11, 2024

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1. **PURPOSE:** This agreement establishes coordination procedures and defines delegation of airspace between VATUSA Indianapolis ARTCC (ZID) and VATUSA Cleveland ARTCC (ZOB). This agreement is supplemental to procedures contained within FAA Order 7110.65.
 2. **DISCLAIMER:** Information contained herein is designed specifically for use in a virtual air traffic control environment. It is not applicable, nor should it be referenced for live operations in the National Airspace System (NAS).
 3. **GENERAL:**
 - a. Specific routes and altitudes must be assigned for arrivals and departures as depicted in [Attachment A](#) and [Attachment B](#).
 - b. Either Center may vector aircraft up to **15 degrees** without prior coordination provided the aircraft is within **15 miles** of the boundary. Heading information forwarded via fourth line supersedes control for turns authorized in the agreement.
 - c. ZOB will climb **CLE+ Departures via APE to FL270** (or lower requested) and handoff to ZID. ZID has control for **turns up to 15 degrees left**.
 - d. ZOB will climb **CLE+ Departures via PUDDL to FL220** (or lower requested).
 - e. ZOB will climb **PIT+ Departures via DILNE TVTRN to FL280** (or lower requested). ZID has control for **climb to FL320** (or lower requested).

DEFINITIONS:

Boundary refers to the ZOB/ZID common boundary.

ABC+ refers to the ABC airport and other satellite airports within ABC ATCT.

ABCz refers to an unspecified sector of the ABC ATCT, used when a specific sector is not specified.

CLE+ = CLE, BKL, CGF, LNN, LPR

DTW Sats = ARB, DET, MTC, PTK, YIP, OZW, CYQG

PIT+ = PIT, AGC

CVG Sats = HAO, LUK, I69

CMH+ = CMH, LCK, OSU

DAY+ = DAY, FFO, MGY

IND+ = IND, EYE, MQJ, TYQ

SDF+ = SDF, LOU

4. **ATTACHMENTS:**
 - a. Attachment A - ZOB → ZID Restrictions
 - b. Attachment B - ZID → ZOB Restrictions
 - c. Attachment C - ZID Airspace Sectors
 - d. Attachment D - ZOB Airspace Sectors
5. **AUTOMATED INFORMATION TRANSFER (AIT):**
 - a. CAK+ Arrivals via HUUVR;
 - i. ZID must issue a clearance to cross HUUVR at 9000 and handoff to ZOB.

- ii. If traffic is not a factor, ZOB will re-direct handoff to CLEz.
- iii. If traffic is a factor, ZOB will verbally coordinate with ZID.
- iv. Once ZID observes CLEz accept the handoff, they will transfer comms directly to CLEz.

**ATTACHMENT A
ALTITUDE AND ROUTE RESTRICTIONS FROM ZOB TO ZID**

Destination	Route/Via	Type	Restrictions	Notes
CMH+	CBUSS# or GUNNE or FBC DUBLN#	All	AOB 100	Direct HO to CMHz
	AIR/ZANDR CLPRR# ZANDR/AIR CLPRR DAYVE	All	AOB FL230 DESC 160	
CVG	SAVVI TIGRR#	All	AOB FL340	
	UKATS TIGRR#	All	AOB FL320	From the north
	DEBAR ARBAS RID MEEKR	All	AOB FL200	
CVG Sats	UKATS BOWRR HEDEE MXQ	All	AOB FL320	
	RINTE HEDEE MXQ	All	AOB FL230	
DAY+	APE DANEI#	All	AOB FL280	
	ROD	All	AOB 160	
ILN	APE COOJO DANEI	All	AOB FL280	
	ROD	All	AOB FL200	
IND	TORRR/SINKR SNKPT SNKPT#	RNAV	AOB FL220	
	TORRR/SINKR MIE CLANG#	Non RNAV		
SDF+	UKATS DLAMP# or UKATS ZIDHI ANCHR DLAMP	RNAV		Must not be cleared further direct than UKATS.
PKB	MGW Sector	All	DESC 60	ZID control for descent and 30 degree turns.
RDU	All east of JPU	All	AOB FL290	
ROA	All east of JPU	All	AOB FL250	

ATTACHMENT B

ALTITUDE AND ROUTE RESTRICTIONS FROM ZID TO ZOB

Destination	Route/Via	Type	Restrictions	Notes
ABE	ROD CXR J146 ETG or JST HAR			
ACY	ROD J152 HAR LRP DQO ENO SIE			
BDL	DJB JHW Q82 MEMMS WILET STELA#	All		Does not include CVG departures
BOS	WWSHR Q29 JHW Q82 PONCT JFUND#	All		Does not include CMH, CVG departures
BWI/MTN	KEMAN ANTHM#	RNAV		Must cross the boundary at least 15nm N JPU
	KEMAN EMI#	Non-RNAV		
CAK/AKR	HUUVR#		HUUVR @ 9000	AIT ZID -> ZOB -> CLEz
	ZZIPS#		AOB FL230 DESC 150	
CLE+	JANYS ROLLN# or GEDDY ROLLN	Jet	AOB FL230 DESC 170	ZOB control to issue OPD.
		Prop	AOB 150 DESC 110	ZOB control for descent.
	TALKN/DRUGA ROKNN# or HEADZ ROKNN	Jet	AOB FL230 DESC FL190	ZOB control to issue OPD.
		Prop	AOB 150	ZOB control for descent.
DCA/DAA/ ADW	J30 BUCKO FRDMM#	RNAV Jet		ZID may clear direct BUCKO provided they remain north of JPU
	J30 BUCKO NUMMY#	Non-RNAV Jet		
	MGW ESL TIKEE#	Prop		
DTW	JAMOX BONZZ#/KLYNK# or BOBCT EEEZI BONZZ	RNAV	AOB FL300	ZOB control for STAR change, descent at BOBCT/COLTZ
	SUBWY CRAKN#/HTROD# COLTZ FIYUR CRAKN	RNAV	AOB FL300	
	TORRR HANBL#/LECTR# or TORRR SHANX HANBL	RNAV	AOB FL210	ZOB control for STAR change, OPD or descent
DTW Sats	KOZAR/BOBCT FOREY# or WWSHR FOREY VRNRS	RNAV	AOB FL300	
	TORRR PETTE# or TORRR HAZIT PETTE SYREN	RNAV	AOB FL210	ZID must stack satellite traffic below DTW traffic

EWR	WWSHR Q29 DORET J584 SLT FQM#	Jet		
FNT	BOBCT/KOZAR FOREY#	All	AOB FL300	ZID may clear direct WWSHR
	TORRR HAZIT VHICL CITYE	All	AOB FL280	ZOB control for descent
HEF	MGW GIBBZ#	Jet		
	MGW ESL TIKEE# or MGW ESL FINKS CSN	Prop		
HLG	AIR HLG	All	AOB 130	
HPN	JHW ITH DNY VALRE#	Jet + Turboprop		
IAD/JYO	MGW GIBBZ# or MGW ESL FINKS DOCCS DOCCS#	Jet		
	MGW MRB AML	Prop		
JFK	DJB JHW J70 LVZ LENDY#	Jet + Turboprop		
LAN	Area 5/6	AOB FL280		
LGA	WWSHR TEESY J146 ETG MIP# or WWSHR CXR ETG MIP#	Jet + Turboprop		
PHL	JST BUNTS#	RNAV		
	JST BOJID#	Non-RNAV		
PIT	CTW FEWGA#	Jet	CTW AOB FL190	
		Prop	AOB 150	
	HNN/JPU FEWGA#	Jet	AOB FL210	ZOB for control to descent jets to 15000 within 10nm of boundary. ZOB control for turns. ZID may clear direct AIR provided they remain NW of Q145
		Prop	AOB 150	
AGC	WISKE AGC	Jet	AOB FL190	
		Prop	AOB 150	
LBE	WISKE	Jet	AOB FL230	
		Prop	AOB 150	
TEB	WWSHR JHW LVZ# or DJB JHW LVZ#	Jet + Turboprop		
TOL	ROD	AOB 170		
	APE	AOB FL200		
NYG	ACO	AOB FL230		
	ROD	AOB FL290		

CYYZ	OXMAN LINNG#			
	QWERI NUBER#	AOB FL310	Correct altitude for DOF	Control for turns to QWERI north of J30

ATTACHMENT D
ZOB AIRSPACE SECTORS