

88th Air Base Wing

“Strength Through Support!”



Wright-Patterson Air Force Base, Ohio Air Installation Compatible Use Zone (AICUZ) Study

Public Open House – 27 Apr 22



Speaker Introductions & Agenda



- Col Patrick Miller, Commander, 88 Air Base Wing
- Noah Fillian, WPAFB AICUZ Program Manager
- Gary Thompson, AICUZ Program Manager, Regional Planning Branch, Air Force Civil Engineer Center (AFCEC)
- Matt Butwin, Project Manager, Prospect Hill Consulting

Start Time	Activity
6:00 p.m.	Welcome & Presentation
6:45 p.m.	Open House Booths & Press Interviews
7:30 p.m.	Adjourn

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Housekeeping



- Please contact WPAFB Installation Planning at 88CEG.CENPL.InstallationPlanning@us.af.mil or 88 ABW Public Affairs at 88abw.pa.workflow@us.af.mil with any additional questions or hold for the open house booths after the presentation
- The open house materials are available online at <https://www.wpafb.af.mil/AICUZ/>



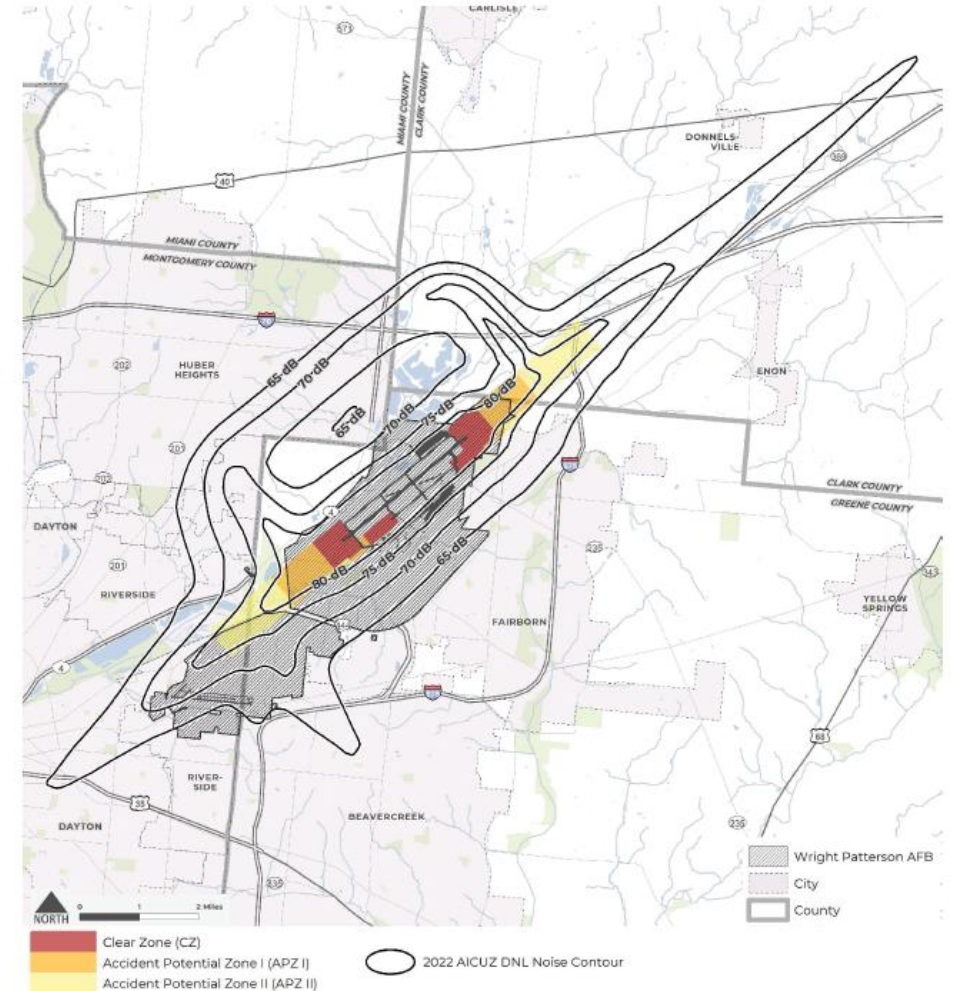
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Purpose of the AICUZ Study



- The goal of the AICUZ Program is to protect the health, safety, and welfare of those living and working near air installations while sustaining the military's operational mission.
- To accomplish this goal, the AF provides the AICUZ Study to aid in development of local planning mechanisms that will protect the public safety and health, as well as preserve the operational capabilities of WPAFB.
 - WPAFB utilizes an operational planning AICUZ footprint to define the minimum recommended area within which land use controls are needed and requested.





Why was the AICUZ Study updated?



- **WPAFB contacted AFCEC requesting study update in 2020**
- **The primary changes since the previous AICUZ Study that necessitate this update include:**
 - **Changes in off-installation land use and/or projected land use.**
 - **Update of Air Force Instruction (AFI) 32-7063 to AFI 32-1015 (published in July 2019 and revised in January 2021).**
 - **Inclusion of the Hazards to Aircraft Flight Zones (HAFZ).**



The Planning Process



- **The planning process for the AICUZ Study update included four major steps:**
 - **Data Gathering: Gathering data related to on- and off-base activities, to include:**
 - general air operations,
 - noise abatement procedures,
 - land use and zoning, planned development, and
 - changes since the previous AICUZ Study
 - **Analysis: Assessing land use compatibility within the AICUZ footprint (noise zones, Clear Zones, and Accident Potential Zones) based on Air Force land use compatibility recommendations**
 - **Review: Review by Air Force subject-matter experts**
 - **Public Outreach: Continuing public outreach via the public open house today, educational materials, and ongoing installation-community collaboration**

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Booth #1 – Installation Mission and Context Intro



■ Mission:

- 445th AW is the main flying mission at WPAFB
- 88 ABW hosts AFRL and AFLCMC, among other tenant missions

■ Location:

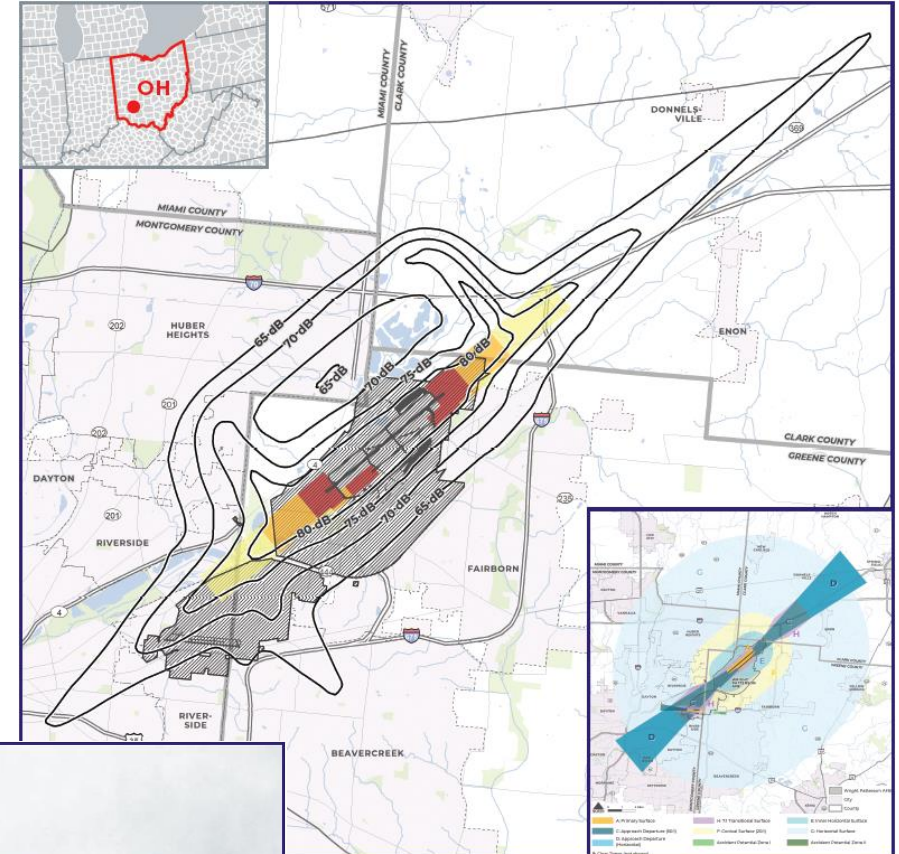
- Northeast Greene County, 8 miles from downtown Dayton
- 7,600 acres of land

■ Economic Impact:

- WPAFB is largest single-site employer in the State of Ohio with 31,292 personnel
- \$16.75 billion in total annual economic impact

■ History:

- Wright Brothers
- Established as a military installation in WWI
- Growth in WWII; shift to R&D after



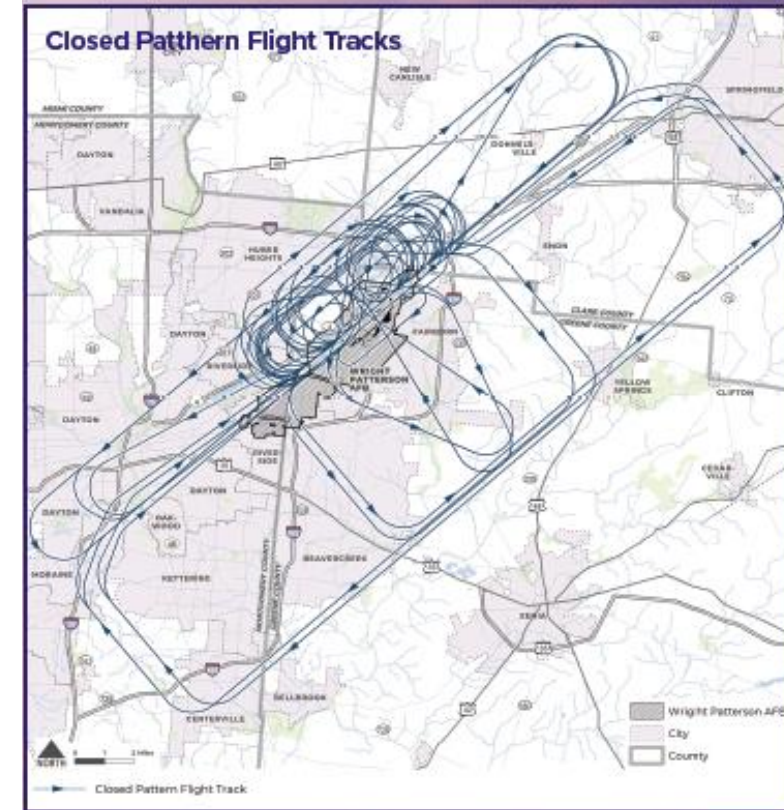
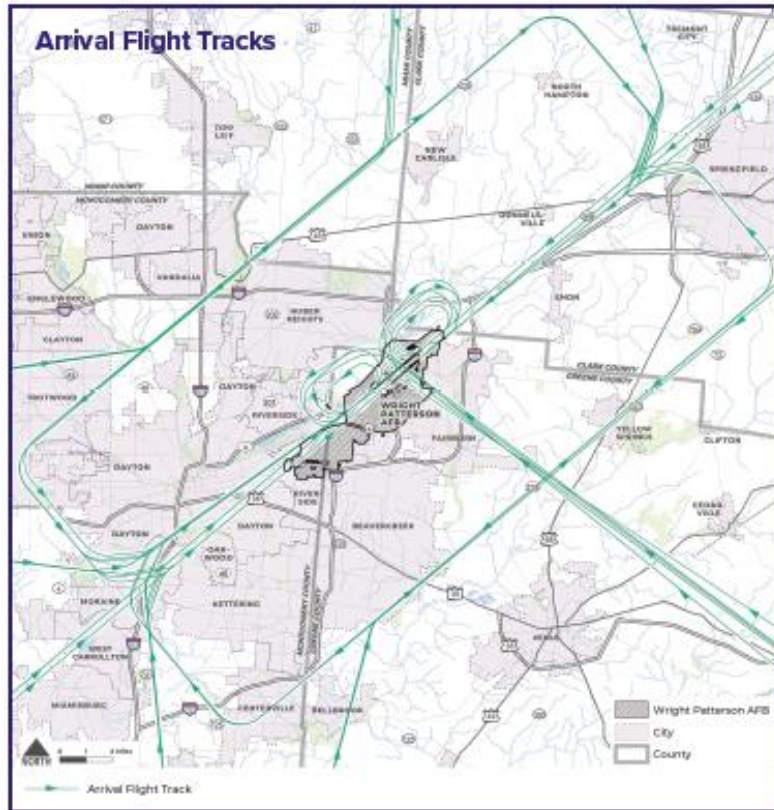
**Booth Lead:
Michael Tibbs**



Booth #2 – Installation Mission and Context Operations



■ Flight Tracks

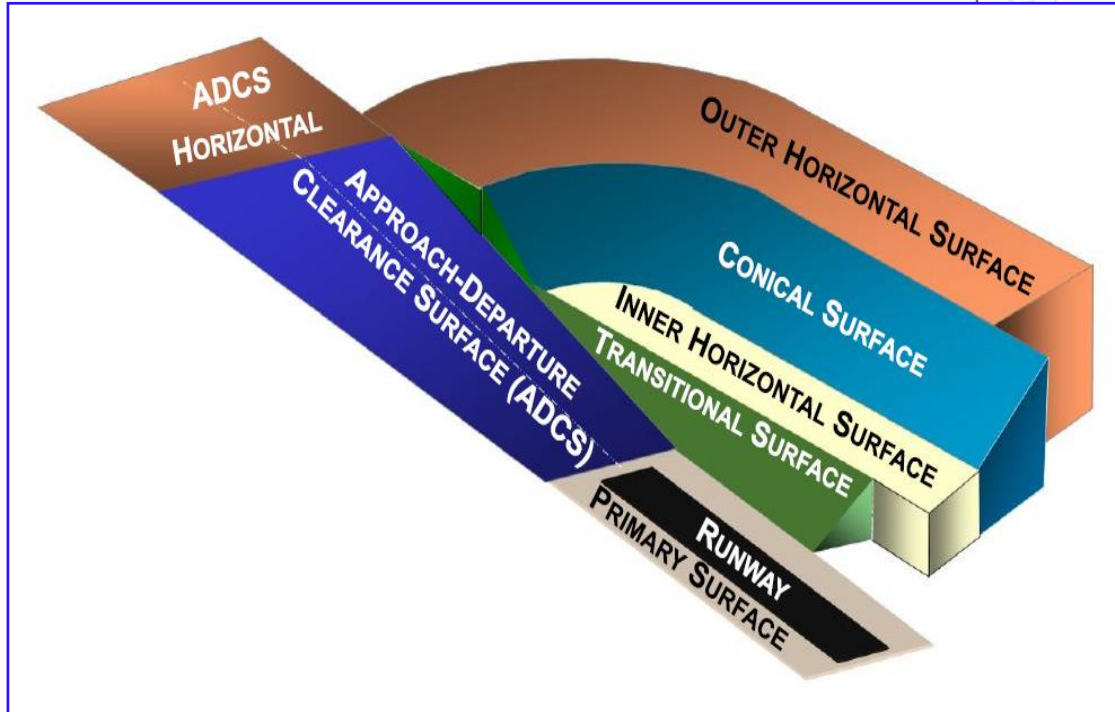


Booth Lead: Rome Alcantara

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Booth #3 – Composite AICUZ Map



- Clear Zone (CZ)
- Accident Potential Zone I (APZ I)
- Accident Potential Zone II (APZ II)
- 2022 AICUZ DNL Noise Contours
- Wright Patterson AFB
- City
- County

**Booth Lead:
Noah Fillian**

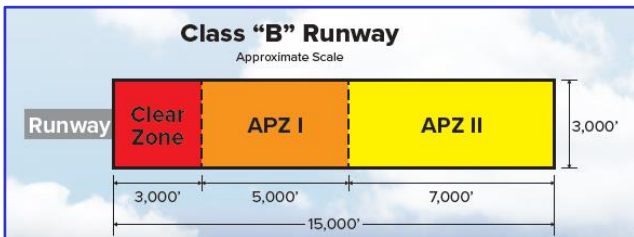
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Booth #4 – AICUZ Program Overview



- **Overview:** Balances the needs of military operations with community concerns while seeking development that is compatible with the defense flying mission
- **Noise Metrics & Contours:** Defines aircraft noise exposure
- **Clear Zones and Accident Potential Zones:** define the areas where an aircraft accident is likely to occur, should one occur
- **Land Use Compatibility:** recommend that noise-sensitive land uses be placed outside of high noise zones and people-intensive uses not be placed within APZs



Generalized Land Use Categories and Noise/Safety Compatibility ¹									
Generalized Land Use Category	Noise Zone (dB DNL)						CZ	APZ I	APZ II
	<65	65-70	70-75	75-80	80-85	85+			
Residential	Yes	No ²	No ²	No	No	No	No	No	No ³
Commercial	Yes	Yes	Yes ⁴	Yes ⁴	No	No	No	Yes ⁴	Yes ⁴
Industrial	Yes	Yes	Yes	Yes	Yes ⁴	No	No	Yes ⁴	Yes ⁴
Public/Quasi-Public	Yes	Yes ⁴	Yes ⁴	Yes ⁴	No	No	No	No	Yes ⁴
Resource Production and Extraction	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Open/Agriculture/Low-Density	Yes	Yes ⁴	Yes ⁴	Yes ⁴	Yes ⁴	Yes ⁴	No	Yes ⁴	Yes ⁴
Transportation/Communication/Utilities	Yes	Yes	Yes	Yes	Yes	No	No	Yes ⁴	Yes
Vacant/Undeveloped	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Booth Lead: Gary Thompson

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Booth #5 – Roles and Responsibilities



- **Department of Defense:** Land development should be compatible with noise zones, Clear Zones (CZs), and Accident Potential Zones (APZs); this is WPAFB's requirement, but can only advise outside of the installation boundary
- **Local Governments:** Enacting compatible planning, zoning, and development principles can strengthen the community's relationship with the base
- **Community:** The land and economic development community and local citizens can support AICUZ implementation by staying informed and engaged



Booth Lead: TJ Bernard

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Conclusion



- **The military plays an important economic role in the State of Ohio**
- **Throughout the decades, Wright-Patterson AFB has enjoyed substantial and ongoing support from the greater Dayton community culminating in a relationship of mutual respect and cooperation between the community and base.**
 - **Encroachment related to both military actions that impact community members and community actions that impact military operations have rarely occurred**
- **Continuing this positive relationship is the goal, in hopes of long-term benefits to both the community and the Wright-Patterson AFB**
- **Preventing encroachment will result in mission sustainment, protection of public safety and protection of the taxpayer's investment in national defense and the economic benefits to the neighboring communities generated by Wright-Patterson AFB activities and employment**



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Open House Q&A



- **Booths: Ask additional questions on the following topics to each respective booth lead:**
 - **Booth #1: Installation Mission and Context Intro – Michael Tibbs**
 - **Booth #2: Installation Mission and Context Operations – Rome Alcantara**
 - **Booth #3: Composite AICUZ Map – Noah Fillian**
 - **Booth #4: AICUZ Program Overview – Gary Thompson**
 - **Booth #5: Roles and Responsibilities – TJ Bernard**
- **Please contact WPAFB Installation Planning at 88CEG.CENPL.InstallationPlanning@us.af.mil or 88 ABW Public Affairs at 88abw.pa.workflow@us.af.mil with any additional questions following the open house**
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