



Martin State Airport  
Airport Noise Zone Update  
Stakeholder Advisory Committee (SAC) Meeting



September 12, 2019  
6:00 PM – 8:00 PM



# Welcome to Martin State Airport (MTN)



Source: [MTN State Airport Photo Gallery](#)

Time	Discussion Item
6:00-6:10 pm	Welcome remarks and meeting agenda
6:10-6:15 pm	Safety briefing
6:15-6:20 pm	Meeting facilitation remarks
6:20-6:40 pm	Self-introductions
6:40-6:50 pm	Discussion of Maryland Airport Noise Zone (ANZ) regulations (COMAR) <ul style="list-style-type: none"><li>• Overview of Martin State Airport (MTN) Airport Noise Zone (ANZ) update scope and process</li></ul>
6:50-7:00 pm	Stakeholder Advisory Committee (SAC) makeup, roles, and responsibilities <ul style="list-style-type: none"><li>• Overview of invited SAC participants</li></ul>
7:00-7:10 pm	Review existing MTN ANZ
7:10-7:30 pm	Discussion of noise model input needs and modeling process
7:30-7:40 pm	Review of existing MTN Noise Abatement Plan
7:40-7:50 pm	Discussion of project schedule and contacts
7:50-8:00 pm	Wrap-up and Q&A

# Safety Briefing

- Follow Emergency Exits
- Call 911
- Assist those who need assistance
- Be sure to take a head count during the emergency event
- Nearest AED – Entryway #4 (Hangar 5)
- Nearest Fire Extinguisher – Room 527 (Hangar 5)
- **Accountability Site:** Parking lot outside of Hangar 4
- Always... report any hazards in the “Meeting Room”



# Meeting Facilitation

- The meeting facilitator is responsible for ensuring SAC meetings:
  - Run efficiently, respectfully, and effectively
  - Focus on the published agenda
  - Provide appropriate opportunities for all members to participate
  - Result in consensus conclusions to the maximum extent feasible
  - Are documented through preparation of accurate meeting notes

# Introductions

Thank you for joining us!

Around the room please:

- State your name
- Which organization you represent
- Whether you are familiar with the ANZ process

# Maryland Airport Noise Zone (ANZ) Regulations

- Maryland Environmental Noise Act of 1974
  - Intended to minimize aircraft noise impacts and prevent incompatible land development around airports
- Code of Maryland Regulations (COMAR) requires MDOT MAA to complete an ANZ update for MTN approximately every five years
- Noise impact determined by Day-Night Average (DNL/Ldn) composite contours:
  - Base year
  - 5-year post certification forecast
  - 10-year post certification forecast
- The ANZ represents the largest extent of the annual contours for each study year

# Airport Noise Zone Update Scope and Process

- Form and engage with Stakeholder Advisory Committee (SAC)
- Prepare base year, 5-year, 10-year forecast contours
- Compile composite Airport Noise Zone (ANZ)
- Conduct land use inventory
- Conduct public hearing/ workshop
- Incorporate ANZ into Code of Maryland Regulations (COMAR)

# Stakeholder Advisory Committee (SAC) Makeup

The SAC is composed of stakeholders representing all significant interests at Martin State Airport (MTN):

- State and local agencies
- Airport tenants and users
- Community organizations
- Aviation trade associations

Members serve on a voluntary basis without compensation



# SAC Roles and Responsibilities

- The SAC serves in an advisory role to the MDOT MAA solely for purposes of the MTN ANZ update process
  - Review of study inputs, assumptions, analyses, documentation, etc.
  - Input, advice, and guidance related to Noise Abatement Plan
- SAC members are expected to provide two-way communication between the SAC and their organizations / constituents
- MDOT MAA shall respect and consider SAC input, but retains overall responsibility for the MTN ANZ update

# Stakeholder Advisory Committee: Invited Participants

Organization Category	Organization	Representative
State/Local Agencies and MDANG	Baltimore City Police Department, Helicopter Unit	Lt. George Hauf Sgt. Matthew Cloud
	Baltimore County Police Department, Aviation Unit	Ofc. Chris Roussey
	Baltimore County Department of Planning	Krystle Patchak
	Maryland State Police, Aviation Unit	Maj. Michael Tagliaferri Capt. Keith McMinn
	Civil Air Patrol (CAP)	Lt. Col. John Henderson
	Maryland Air National Guard (MDANG)	Brig. Gen. Paul Johnson
	Maryland Department of Transportation, Maryland Aviation Administration	<ul style="list-style-type: none"> <li>- Al Pollard, A. A. E., Chief, Martin State Airport, Division of Operations &amp; Maintenance</li> <li>- Shawn Ames, Deputy Director, Office of Planning</li> <li>- Robin Bowie, Director, Office of Environmental Services</li> <li>- Darline Terrell-Tyson, Deputy Director, Office of Environmental Services</li> <li>- Bruce Rineer, Manager, Noise Section</li> <li>- Karen Harrell, Administrative Coordinator, Noise Section</li> <li>- Royce Bassarab, Noise Program SME, HNTB</li> </ul>

# Stakeholder Advisory Committee: Invited Participants

Organization Category	Organization	Representative
Community Organizations	Baltimore County Mobile Homeowners Association	James W. Oates
	Bowleys Quarters Community Association	Paul Allen Paul Jr.
	Bowleys Quarters Improvement Association	Dave Conrad
	Essex Middle River Civic Council	Robert Bandler
	Hawthorne Civic Association	Edith Schott
	Nottingham Improvement Association	Judith Davies
	Oliver Beach Improvement Association	
	Wilson Point Civic Improvement Association	Doug Zeisel
	Windlass Run Improvement Association	William Kammer

# Stakeholder Advisory Committee: Invited Participants

Organization Category	Organization	Representative
MTN Tenants and Aviation Representatives	Midwest Air Traffic Control	Nikolaus Wagenfeiler
	AMAV, Inc.	Joseph M. Toskes
	Executive Flight Solutions	James Baran
	PHI Air Medical Maryland	Michael McCabe
	Helicopter Transport Services, Inc.	Joseph Cavallaro
	Middle River Aviation, LLC	Kevin Walsh
	Skytech, Inc.	John Foster
	Brett Aviation	Helen Frado James Hardwick
	The National Business Aviation Association (NBAA)	Paige Kroner
	The Aircraft Owners and Pilots Association (AOPA)	Jon Gandy

# Existing MTN Airport Noise Zone (2012)



# Existing MTN Airport Noise Zone

- 2012 MTN ANZ is a composite of the 65, 70, and 75 Day-Night Average (DNL/Ldn) noise contours for:
  - Base year 2012
  - Future years of 2017 and 2022
- Represents the largest extent of the annual Ldn contours for each of the three study years (2012, 2017, and 2022)
- Defined to provide the largest area of the existing or future noise exposure contours for planning purposes

# Noise Model Inputs

- Aviation Environmental Design Tool (AEDT)- noise modeling software
- AEDT requires input data in three categories:
  1. Aircraft noise and performance data
  2. Airport layout
  3. Aircraft operational data
    - Number of aircraft operations
    - Aircraft fleet mix
    - Day-night split of operations
    - Runway utilization
    - Flight track geometry and utilization

# Noise Modeling Process

- Study years: 2019, 2025, 2030
- Analyze existing radar data
- Base Year (2019)
  - Determine base year AEDT inputs
  - Develop base year conditions and DNL/Ldn contours
- Forecast Years
  - Determine 5 and 10-year forecast AEDT inputs
    - Use of operations forecasts as published in the 2018 FAA Terminal Area Forecast
  - Develop 5-year and 10-year forecast DNL/Ldn Contours



# MTN Noise Abatement Plan

- Originally adopted in 1984, updated in 1987, reviewed and approved with no changes in 2012.
- Includes multiple elements
  - Traffic procedures
  - Taxiing aircraft procedures
  - “Touch-and-Go” restrictions
  - Helicopter procedures
  - Complaint procedures
  - Zoning permit and appeals process
  - MDANG noise barriers
  - Piston aircraft fly runway heading for one mile before turning on course

# Proposed Project Schedule

Date	Item
July 2019	Project Start
September 12, 2019	Stakeholder Advisory Committee (SAC) Meeting #1 <ul style="list-style-type: none"><li>• Introductions</li><li>• Overview of ANZ Update scope and process</li><li>• Schedule</li></ul>
Fall 2019	Develop draft ANZ contours <ul style="list-style-type: none"><li>• Distribute compiled study information to SAC members for review and comment</li></ul>
December 2019	Stakeholder Advisory Committee (SAC) Meeting #2 <ul style="list-style-type: none"><li>• Present draft ANZ contours &amp; review Noise Abatement Plan</li></ul>
Early 2020	Prepare draft ANZ document
Early 2020	Public Workshop/ Public Hearing <ul style="list-style-type: none"><li>• Present draft ANZ document and contours</li></ul>
Spring 2020	Incorporate ANZ into Code of Maryland Regulations (COMAR)

# Project Contacts and Resources

- MDOT MAA Project Manager
  - Bruce Rineer, Manager, Office of Environmental Services, Noise Section,  
[BRineer@bwiairport.com](mailto:BRineer@bwiairport.com)
- HMMH Project Manager
  - Julia Nagy, Senior Consultant, [jnagy@hmmh.com](mailto:jnagy@hmmh.com)
- MTN ANZ website:  
<https://www.maacommunityrelations.com/content/anznoiseupdate/mtnanz.php>
- 2012 MTN ANZ document, including existing Noise Abatement Plan (NAP):  
[https://www.maacommunityrelations.com/media/client/anznoiseupdate/MTN ANZ 20120508.pdf](https://www.maacommunityrelations.com/media/client/anznoiseupdate/MTN_ANZ_20120508.pdf)



Thank you for attending!

