

TUG Meeting Notes

June 21, 2023

Maria Sheridan and **Scott Marsh**, [PANYNJ](#), *Airport Manager* and *Manager Airport Operations and Security*, respectively, provided an Airport Operations update. [PANYNJ](#)

- For spring 2023, monthly jet operations are down 3% from 2022, but YTD ops are up 1%
- Spring International arrivals are down 3%, but also up 1% for the year
- May 17 – 734 movements
- Communication upgrades
 - Building 27 – ARFF Garage
 - REILS for Rwy 19 & 24
- FAA construction
 - Upgrade 01 VASI to PAPI
 - Power distribution upgrades to lighting and NAVAIDs
- MMU Rwy 5/23 rehab project
 - Full closures June 23-26 (2200L – 0600L)
 - Long term closure July 10 – August 10
- TEB projected high-volume days:
 - June: July 4 departures (June 28)
 - July: July 4 holiday
 - August: US Open (Aug 28 – Sep 10) , Labor Day (Aug 30)
 - September: Labor Day (Sep 4), NYC Fashion Week (Sep 7-13), Rosh Hashana (Sep 15-17), Emmy Awards (Sep 18), JetNet IQ Bus Ava Summit (Sep 13-14), UNGA (Sep 12-30), Yom Kippur (Sep 24-25)

Laz Arteaga, [FAA](#), *KTEB ATCT Manager* discussed Tower Topics to include issues associated with the Summer SWAP season. [FAA](#)

- Pilot deviations on RUUDY6 departure seem to be down
- RNAV (GPS) Y Rwy 19 is the preferred approach to avoid ILS glideslope perturbations
- Visual RNAV approach is available for the ILS 6 Circle 1 approach, but only for RNP-AR aircraft.
- There was a fuel quality problem in the NYC area. TEB was able to contain the questionable fuel. Fuel at MMU was unavailable for about one day.

Gabe Andino, [Avports](#), *Manager Noise Abate and Environmental Compliance*, provided a brief update regarding pilot outreach initiatives designed to improve compliance with noise abatement procedural best practices. [Teterboro Airport Noise Office](#)

- The Noise Office is engaging in a multi-pronged outreach program for TEB operators
- Pilots are encouraged to use noise-abatement procedures all day, not just at night
- Noise plots can be requested by pilots prior to departure. noiseoffice@teb.com or 201-393-0399
- RNAV (GPS) X Rwy 19 is used 2200L to 0700L. About 30% of evening arrivals have been utilizing this approach.

Hagay Makov, SkyPath, *VP Business Development*, demonstrated SkyPath's innovative iPad turbulence detection and depiction tool. "Established in 2015, SkyPath *provides a real-time solution for sensing and avoiding turbulence*, together with aviation data crowdsource solutions." SkyPath

- Turbulence is the most common airline accident today.
- Injuries are increasing in quantity and severity.
- SkyPath is a crowdsourcing platform that exhibits real-time turbulence conditions based on iPad sensors. Automatically provides a "sense and display" system that filters out non-turbulence-induced "noise" vibration.
- The program divides the sky into small elements, and reports actual turbulence in each discrete unit.
- Can be filtered by altitude and time (between 30 minutes and 6 hours in past)
- Data is normalized based on aircraft type
- Cost is around \$2,000/year per airplane
- Utilizes about 1MB of aircraft WiFi data for a 3-4 hour flight
- Will be integrated into ForeFlight in the near future

Selen Nehrozoglu, USDA Animal and Plant Health Inspection Service (APHIS), *Plant Protection and Quarantine Technician*, presented best practices for aircraft operators to mitigate proliferation of the highly damaging Spotted Lanternfly. USDA APHIS Spotted Lanternfly

- Lanternfly produces a liquid that prevents plants from photosynthesizing
- Tend to congregate in large groups
- Egg masses can be laid on any smooth surface (e.g. vehicles and airplanes)
- Significant infestations in NJ, PA, MD, DE and northern VA
- Suitable habitat includes most of eastern US and all of Europe
- Mitigation strategies
 - Visual inspection of airplane and baggage area for nymphs, adults and egg masses
 - Keep cabin & cargo doors closed until boarding
 - Scrape off egg masses if found, and crush them with a stick

Ralph Tamburro, PANYNJ, *Delay Reduction Program Manager*, reviewed the status and trajectory of Teterboro Airport's departure delays, introduce a new Washington ARTCC high level sector designed to provide more efficient routings to/from Florida airports, and provide an update regarding the Teterboro "GreenLandings" initiative. PANYNJ

- FAA Atlantic Coast Route (ACR)
 - Updated Preferred IFR Routes available for NEC ACR Optimization Project
 - Use the super high-altitude structure as much as possible at 40,000' or above. Relieves low-altitude congestion.
 - Several J-Routes have been deleted. 20 new Q-Routes were established.
- Green Landings
 - Expected to produce a more even flow of traffic
 - Provides real-time information to the flight deck. Cloud-based, A.I.-driven. Provides multi-dimensional landing time optimization.
 - Reductions in flight time, noise, fuel consumption
 - Data collection begins as soon as a flight plan is filed
 - Project phases
 - Phase 1 (Complete) – data collection, CO2 emissions, noise, GreenLandings.net website
 - Phase 2 (currently in Funding) – expanded analysis of values and parameters, educate operators/pilots/community, secure Phase 3 funding, real-time landing que info availability for pilots

- Phase 3 – fully functional operation with RTA sent to participating aircraft
- Benefits
 - Increased on-time arrival
 - Reduced flight time, fuel burn, CO2 emissions and noise
 - Reduced ramp congestion
 - Reduced ATC complexity and costs

Dave Belastock, *TUG President*

- Next Meeting – Sept. 20, 2023
- Ideas & suggestions for the meeting are welcome!