

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

North Las Vegas Tower
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North Las Vegas, NV 89032

Issued: 08/03/2022 2144 (UTC)
North Las Vegas Tower

Effective: 08/03/2022 2300 (UTC)
Letter to Airmen: LTA-VGT-7

Subject: Overshooting Parallel Runway Final/Correct Runway Alignment

Cancellation: 08/03/2024 2259 (UTC)

Attention has been focused on airports with closely spaced parallel runways because of a May 12, 2021 midair collision at Centennial Airport (APA), and a July 17, 2022 midair collision at North Las Vegas Airport (VGT). Both events involved an aircraft overshooting the final to their assigned runway while simultaneous operations to parallel runways were in use.

These midair collisions are a stark reminder for both pilots and controllers of the safety risk posed when a pilot turning base overshoots the extended centerline of the assigned runway during simultaneous parallel runway operations. It is imperative that pilots:

- Fly a proper downwind, base, and final (oval/rectangle, not a 270 degree continuous turn) allowing enough time and distance to be in level flight on the downwind, to establish a stabilized, reasonable rate of descent while maintaining spatial orientation to the runway and its extended centerline (ground track for the final). Furthermore, complete a rollout to wings level on base for orientation purposes and traffic scanning, while allowing time to make the turn to final approach without overbanking (generally 30 degrees of bank max).
- Listen and scan. Know the location of other traffic. Turning base to final can place the belly of the aircraft between your eyes and aircraft on the parallel final.

VGT parallel runways are 700 feet apart, centerline to centerline. The closely spaced parallel runways have offset thresholds at each end. If 12L or 30L is an active runway, their respective REILs will be on during the daytime set at intensity level 3. Care should be used to visually acquire the runway numbers of the assigned runway.

When arrival aircraft are IFR, air traffic procedures provide guidance on angles of lateral course intercept to help avoid an overshoot on final. Normally the lateral course intercept is 20 or 30 degrees. Consider the following when approaching the downwind, base, and final legs:

- Wind direction and speed (tailwind or crosswind)
- Aircraft performance
- Aircraft speed
- High wing vs low wing visibility issues
- Avoid distractions
- If you have overshoot final, you think you may have overshoot final, or if your approach is not stabilized, consider initiating a go around
- Ask ATC if you have any doubt about the runway you are cleared to land on, or if you are unsure whether or not you are aligned with the correct runway
- Study and use the airport diagram for situational awareness while on the ground and in the air
- Plan ahead, get to know the airport by viewing the VGT "From the Flight Deck" video at www.faa.gov/airports/runway_safety/videos/vgt/

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