

---

**NOTICE  
TO  
AERODROME  
LICENCE  
HOLDERS**

**IRELAND**

SAFETY REGULATION DIVISION  
IRISH AVIATION AUTHORITY  
THE TIMES BUILDING  
11 – 12 D’OLIER STREET  
DUBLIN 2

NR	T.14
ISSUE	1
DATE	18.05.10

Tel +353 1 6718655 Fax +353 1 6774068 AFTN EIDWYOYX

---

**VOLCANIC ASH**  
**GUIDANCE ON AIRSPACE WITH SAFETY RESTRICTIONS**

**INTRODUCTION**

1. The Irish Aviation Authority (IAA) has today issued new guidance on the use of airspace within which volcanic ash may be present.
2. The new guidance introduces a new “Time Limited Zone” which will allow time-limited operations to take place within certain defined areas of airspace. There will continue to be No Fly Zones where concentrations of ash are at levels unsafe for flights to take place.

**PURPOSE**

3. The purpose of this Notice is to inform aerodrome licence holders and aerodrome managers of the IAA’s Revised Airspace Guidance in relation to volcanic ash.

**SCOPE**

4. The content of this Notice applies to all licensed aerodromes in the State.

**TERMINOLOGY** (See Appendix 1)

5. Enhanced Procedure Zones (EPZs) are defined as volumes of airspace within the boundary lines as depicted on the latest **Met Office London Volcanic Ash Advisory Chart**.
6. Time Limited Zones (TLZs) are defined as volumes of airspace promulgated by NOTAM and marked on the **Met Office London VAAC NWP Volcanic Ash Concentration Charts** where ash concentrations are predicted to exist within which flight for a time limited duration may be permitted before engine manufacturer tolerance levels are exceeded.
7. No Fly Zones (NFZs) are defined as volumes of airspace promulgated by NOTAM and marked on the **Met Office London VAAC NWP Volcanic Ash Concentration Charts** where ash concentrations are predicted to exist that exceed engine manufacturer tolerance levels and flight is prohibited.

---

## ADVICE TO AERODROME LICENCE HOLDERS AND AERODROME MANAGERS

8. Extensive instrumented test flying and further analysis has demonstrated that volcanic ash exists in multiple layers and that there are predicted to be some volumes of airspace with higher concentrations that could pose:

- an immediate hazard to flight safety (NFZs);
- a hazard to flight safety after a defined period of operations (TLZs).

The coordinates for NFZs and TLZs will be issued by NOTAM.

9. Outside of the NFZs, volcanic ash concentrations will exist that may permit a limited and defined period of flight before engine manufacturer tolerance levels are exceeded. These volumes of airspace are known as TLZs.

10. Within TLZs, it is for the Aircraft Operator and the Aircraft Commander to be aware of the length of time that safe flight is feasible and how long an aircraft has operated in such airspace.

11. Outside of NFZs, and within TLZs and EPZs, normal services may be provided and aircraft operators remain responsible for the safe operation of flight.

12. Aerodrome operators should be aware that flow restrictions may be imposed on flights operating in the TLZ.

### IMPLEMENTATION

13. The new guidance will be implemented from 1200Z on 18 May 2010.

### QUERIES

14. Any queries raised as a result of this Notice should be addressed in the first instance to:

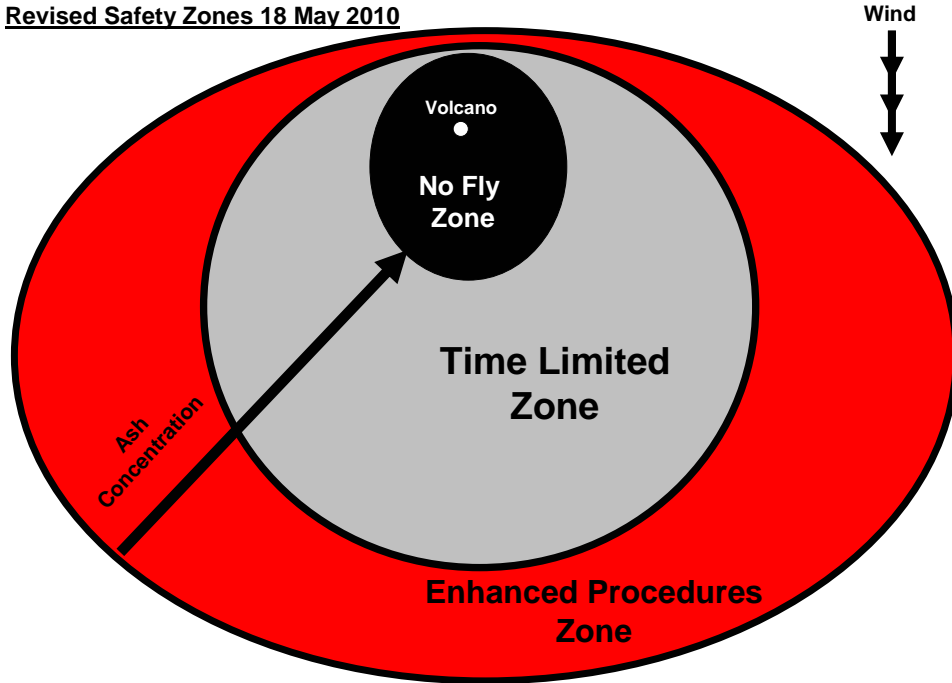
Aerodromes Division,  
Aeronautical Services Department,,  
Irish Aviation Authority,  
The Times Building  
11 – 12 D'Olier Street  
Dublin 2.

**E. Brennan,  
Chief Executive.**

---

Appendix 1

Revised Safety Zones 18 May 2010



Individual Airline Approval Required