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**Subject:** Collection of information on wake vortex encounters

**Action required:** Commence the wake vortex reporting scheme as soon as practicable

Sir/Madam,

1. I have the honour to inform you that ICAO is undertaking an effort to collect data concerning wake vortex encounters.
2. You will be aware that the Airbus A380 Wake Vortex Steering Group was created as a result of wake turbulence concerns regarding the Airbus A380-800 entering into service. The Steering Group comprised representatives from the European Joint Aviation Authorities (JAA), EUROCONTROL, the United States Federal Aviation Administration (FAA) and Airbus. Based on its work related to the A380, the Steering Group considered that an overall review of wake turbulence provisions including the current wake turbulence categorization scheme in the *Procedures for Air Navigation Services — Air Traffic Management* (PANS-ATM, Doc 4444) should be undertaken.
3. In order to provide a sound basis for any necessary amendment to these provisions, there is a need for the collection and analysis of information on wake vortex encounters of all aircraft types on a worldwide basis. To this end, the enclosed reporting forms have been developed for data collection purposes.
4. Contracting States are requested to make available the reporting forms (A and B) attached to this State letter, which can also be found on the ICAO website at [www.icao.int/fsix/wakevortex](http://www.icao.int/fsix/wakevortex), to pilots, aircraft operators and air navigation service providers (ANSPs). Pilots who experience wake vortex encounters and ANSPs or aircraft operators who are informed of such occurrences should be requested to fill out the relevant reporting forms and submit them to the Regulator of the State of Occurrence, who in turn are asked to send the reports to ICAO using the electronic forms (in English only) available for this purpose on the same website. Reports may also be filed through email

(in English only) available for this purpose on the same website. Reports may also be filed through email at: [wakevortex@icao.int](mailto:wakevortex@icao.int). Upon analysis of the information contained in these reports, amendments to relevant provisions in support of the Wake Vortex Steering Group recommendations will be proposed for consideration by the Air Navigation Commission.

5. In the interest of safety, I encourage all Contracting States to commence the wake vortex reporting scheme as soon as practicable.

Accept, Sir/Madam, the assurances of my highest consideration.

Taïeb Chérif  
Secretary General

**Enclosures:**

- A — Wake Vortex Reporting Form for Pilots
- B — Wake Vortex Reporting Form for Air Navigation  
Service Providers (ANSPs)

**WAKE VORTEX ENCOUNTER REPORTING FORM FOR PILOTS**

Date and Time	Date of incident	
	Time (UTC)	
Aircraft Type	Make	
	Model	
	Series	
Altitude	Height	<input type="checkbox"/> m or <input type="checkbox"/> ft
	Altitude	<input type="checkbox"/> m or <input type="checkbox"/> ft
	Flight level	
Geographic Position	Location	
	State	
	Airport	
	Runway	<input type="checkbox"/> L <input type="checkbox"/> C <input type="checkbox"/> R
Details	Phase of flight	<input type="checkbox"/> take-off <input type="checkbox"/> initial climb <input type="checkbox"/> climb <input type="checkbox"/> cruise <input type="checkbox"/> descent <input type="checkbox"/> holding <input type="checkbox"/> approach <input type="checkbox"/> final <input type="checkbox"/> touch-down <input type="checkbox"/> taxiing <input type="checkbox"/> other
	Were you turning?	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> n/a
	Which holding pattern were you in, if any?	
	Were you:	<input type="checkbox"/> high <input type="checkbox"/> low <input type="checkbox"/> on the glide path
	Were you	<input type="checkbox"/> left of <input type="checkbox"/> right of <input type="checkbox"/> on the centre-line
	Weight	kg
	IAS	kts
	Heading	degrees
Other	What led you to suspect wake vortex as the cause of the disturbance?	
Did you experience vertical acceleration?	<input type="checkbox"/> yes	Please describe:
What was the change in attitude? Please estimate angle.	Pitch:	
	Roll:	
	Yaw:	

Was there any change in altitude?	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> n/a
Was there buffeting?	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> n/a
Was there stall warning?	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> n/a
Was the autopilot engaged?	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> n/a
What control action was taken?	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> n/a
Could you see the aircraft suspected of generating the wake vortex?	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> n/a
If yes, what was it?	Make - Model - Series -
Where was it relative to your position?	Separation distance: clock reference:
Were you aware of the preceding aircraft type before the encounter?	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> n/a

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**WAKE VORTEX ENCOUNTER REPORTING FORM FOR AIR NAVIGATION SERVICE PROVIDERS (ANSPs)**

**When in receipt of a pilot reported wake encounter, please attempt to collect the following information:**

Date and Time	Date of incident	
	Time (UTC)	
Encountering Aircraft Type	Make	
	Model	
	Series	
	Phase of flight	<input type="checkbox"/> take-off <input type="checkbox"/> initial climb <input type="checkbox"/> climb <input type="checkbox"/> cruise <input type="checkbox"/> descent <input type="checkbox"/> holding <input type="checkbox"/> approach <input type="checkbox"/> final <input type="checkbox"/> touch-down <input type="checkbox"/> taxiing <input type="checkbox"/> other
	Runway	<input type="checkbox"/> L <input type="checkbox"/> C <input type="checkbox"/> R
Generating Aircraft Type	Make	
	Model	
	Series	
	Phase of flight	<input type="checkbox"/> take-off <input type="checkbox"/> initial climb <input type="checkbox"/> climb <input type="checkbox"/> cruise <input type="checkbox"/> descent <input type="checkbox"/> holding <input type="checkbox"/> approach <input type="checkbox"/> final <input type="checkbox"/> touch-down <input type="checkbox"/> other
	Runway	<input type="checkbox"/> L <input type="checkbox"/> C <input type="checkbox"/> R
Location	Location	
	State	
	Airport	
Spacing between aircraft	Vertical	
	Horizontal	
	Any additional information related to the encounter	

Weather	Wind	
	Visibility	
	Cloud	
	Temp	
	Dew Point	

— END —