EASA	EMERGENCY AIRWORTHINESS DIRECTIVE
	AD No : 2006- 0035 - E **Date: 27 January 2006**

No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.

Type Approval Holder's Name :	**Type/Model designation(s) :**
AIRBUS	**A340-500/-600 Series**

TCDS Number : **EASA A.015**

Foreign AD : none

Supersedure : none

ATA 24/49	**AUXILIARY POWER UNIT (APU) – Inspection for APU and APU Generator interference**
Manufacturer(s):	AIRBUS
Applicability:	AIRBUS aircraft A340-500 and A340-600 series, all certified models, all serial numbers.
Reason:	Two A340-600 operators have reported uncontained APU generator failure on ground during APU running which caused significant damage to the surrounding aircraft systems and secondary structure. The first event was preceded by several oil filter clog messages and APU auto shutdowns. An APU generator high temperature warning leading to an APU automatic shutdown just preceded the second event. The expertise of the APU and APU Generator has shown contact between the following: - APU gearbox mounting pad and the APU Generator rotor input shaft and - APU gearbox mounting pad and one of the retaining bolts of the APU Generator drive end bearing liner. These contacts have generated an effort on the rotor input shaft bearing leading to premature bearing wear resulting into a severe contact between the generator rotor and the stator and finally a break of the rotor causing generator burst. Liberated APU generator parts can lead to damage to APU fire wall which

	will reduce fire extinguishing capability and then could lead to a temporary uncontrolled fire which constitutes an unsafe condition. To ensure that there is no interference between the APU Generator and the APU gearbox, this Emergency Airworthiness Directive (EAD) requires a one time visual inspection.
Effective Date:	Upon receipt from 27 January 2006
Compliance:	The following measures are rendered mandatory from the effective date of this EAD: Unless already accomplished, not later than 14 February 2006: 1. In accordance with instructions of AIRBUS All Operators Telex (AOT) A340-24A5013, inspect APU Generator scavenge chip detector and if necessary, apply the associated corrective actions. 2. In accordance with instructions of AOT A340-24A5013, perform a visual inspection of the APU gearbox cast oil passage for any contact marks created by the APU generators bolts or the APU generator rotor shaft and if necessary apply the associated corrective actions. 3. At any further APU Generator or APU replacement on the aircraft, a preliminary dimensional inspection must be applied as per AOT A340-24A5013.
Reference Publication:	AIRBUS AOT A340-24A5013 dated 24 January 2006 (Any later approved revision of this AOT provides an acceptable means of compliance)
Remarks :	No Consultation period Enquiries regarding this Emergency Airworthiness Directive should be referred to Mr. M. Capaccio, Airworthiness Directive Focal Point - Certification Directorate, EASA. E-mail: ADs@easa.eu.int