



U.S. Department  
of Transportation  
Federal Aviation  
Administration

Southwest Region  
Arkansas, Louisiana,  
New Mexico, Oklahoma,  
Texas

Fort Worth, Texas 76137

May 5, 2005

Mr. Jim Carver  
Manager, Technical Support  
American Eurocopter, LLC  
2701 Forum Drive  
Grand Prairie, Tx 75052-7099

Dear Mr. Carver,

FAA Airworthiness Directive (AD) 83-07-05 R3 requires inspection of the Main Rotor Shaft for corrosion, deterioration or cracks, applicable to all AS350 and 355 helicopters. The terminating action for this Airworthiness Directive is the installation of main rotor shaft P/N 350A37-1076-07. Eurocopter has been installing a newer EASA approved main rotor shaft P/N 350A37-1290-00 through -05 with 4 contact bearing and improved external corrosion protection. These newer main rotor shafts provide the same level of safety as P/N 350A37-1076-07. With the new design main rotor shaft this letter authorizes an Alternative Method of Compliance (AMOC) to allow for the elimination of the inspection required by paragraph d, e, and f of AD 83-07-05 R3 and can be considered a terminating action for this Airworthiness Directive. This newer main rotor shaft can be installed on any version AS350 or 355 with compatible main gearbox, and has been delivered as the standard main rotor shaft since 1994. This AMOC applies to all serial numbers of AS350 and 355 with the subject newer main rotor shaft installed.

This AMOC is transferable and will continue to apply if the aircraft is transferred to a new owner/operator.

Operators using this AMOC must coordinate its use with your local Flight Standards District Office.

This approval is subject to the following condition: If in the future the Rotorcraft Directorate determines that this AMOC does not provide an acceptable level of safety, the Rotorcraft Directorate may revoke or revise the terms of the AMOC following notice to the requester and a seven-day opportunity for the requester to comment on the revocation or proposed revision.

If you have any questions, please contact Mr. Gary Roach at 817-222-5130.

Sincerely,

Jorge R. Castillo  
Manager, Safety Management Group  
Rotorcraft Directorate