

Final Debrief
DGCA Indonesia Supplement Type Certificate Validation of
Bell Helicopter Textron
Model 212 Single Engine



Calgary, AB, Canada, 31 March – 02 April 2011

Directorate of Airworthiness and Aircraft Operation

Directorate General of Civil Aviation

A. INTRODUCTION

The Supplement type certificate validation process was begun by the Eagle Copter Maintenance Ltd formal applications for Indonesia STC Validation of Bell Textron Single Engine Conversion (Eagle Single) through DAC form 21-04 dated September October 01, 2010.

The Eagle Copter Maintenance Ltd and Dart Aerospace Ltd have developed an STC SH07-28 to convert the twin engine Bell 212 to a single engine aircraft powered by the Honeywell T5317A/B/BCV engine. The purposes of this conversion will be to reduce the empty weight and maintenance/operating costs of Bell 212 aircraft.

The TC validation activities was conducted in accordance with Civil Aviation Safety regulation (CASR) 21.29 "Issue of Type Certificate: Import Products" and DGCA Staff Instruction SI 21-03, "Validation Procedure of Foreign Type Certification (Aircraft, Engine and Propeller)".

Part of this final debrief is a summary of the Bell 212 single engine (Eagle Single) Supplement Type Certificate validation process and activities during DGCA visit to Eagle Copter Ltd., Calgary, AB, Canada during period of 31 March to 02 April 2011. The activities were based on reviewing and assessing the technical materials or approved technical documents or approved Manuals by the DOT Canada, engineering inspection/factory visit and service history in pursuant to Indonesia Civil Aviation Safety Regulation (CASR). This final debrief also contain conditions which will apply upon the issuance Indonesia Supplement Type Certificate Validation.

B. ATTENDEES

DGCA – Indonesia:

1. Mohamad Alwi - Power Plant Specialist Engineer.
Deputy Director for Engineering, DAAO - DGCA
2. I Wayan Sudiarta - Flight Test Engineer.
Head of Flight Test and Aero Performance Section
DAAO-DGCA.

Eagle Copter Ltd.:

1. JC Blandin - Vice President.
2. Mike Mallon - PRM/Director of Maintenance.
3. Craig Swayne - Planning Manager

DART Aerospace Ltd.:

1. David Shepherd - Chief Engineer

C. CONTACTS PERSON (Correspondences)

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D. CERTIFICATION BASIS

In accordance with CASR 21.29(a)(1)(ii), DGCA Staff Instruction SI 21-03 "Validation Procedures of Foreign Type Certificate (Aircraft, Engine and Propeller)", *DGCA Indonesia consider accept* the Transport Canada certification basis as quoted in the TCCA G1-Issue Paper original (28 August 2006) and TCCA G1-Issue paper Supplement (05 November 2009).

E. ACTIVITIES

The activities that have been conducted during the visit including:

1. Eagle Copter General Overview.

Eagle Copter Ltd., provide general overview of Bell 212 Single engine conversion (Eagle Single) Installation which covered Design development, Operational Concept, and Installation procedures.

2. Compliance Technical Review and Assessment.

The Bell 212 Single Engine Conversion certification compliances documents which include in the Airworthiness Compliance Plan ACP-D212-725-1 has been reviewed and assessed by DGCA engineer/specialists including Technical materials or Technical Certification Documents, Test Reports and Analysis, Rotorcraft Flight Manuals, Instruction for Continued Airworthiness (ICA).

3. Manufacturing and Engineering Inspection (Factory Visit).

The manufacturing process and engineering inspection was conducted to assess the conformance of design with the manufacturing and quality control process at Eagle Copter Ltd, Calgary, AB, CANADA

F. FINDINGS/ACTION ITEMS

1. None

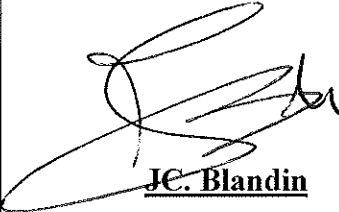

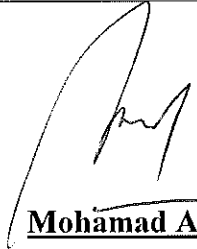
G. CONCLUSIONS

1. DGCA Indonesia accepts the Certification Basis developed by the Transport Canada of Bell 212 Single Engine Conversion (Eagle Single).
2. All of applicable data and Analysis, Technical Documents, Rotorcraft Flight Manual, Instruction for Continued Airworthiness (ICA) are considered acceptable.

3. The Eagle Copter Ltd is responsible to support the Bell 212 Single Engine (Eagle Single) Continuous Airworthiness.
4. The Eagle Copter Ltd should provide any manuals/information and maintain their updating services (such as Alert Service Letter, Mandatory Service Bulletin, Rotorcraft Flight Manual or later Transport Canada accepted revision, Instruction for Continued Airworthiness, etc.) to DGCA Indonesia.

Calgary, Alberta, CANADA

April 01, 2011

Signatures:		
Eagle Copter Ltd.		DGCA - Indonesia
 <p>JC. Blandin Vice President</p> 		 <p>Mohamad Alwi Deputy Director for Engineering</p>