

Gregory Caudy- Abstract: Research on helicopter height/speed envelop

This research programme is expected to start next year and to produce results that would support a proposal of amendment to the helicopter regulation JAR 27/29 introducing a « survivable H/S diagram » in addition to the existing H/S diagram.

This study will involve an helicopter manufacturer and will consist of computer models of helicopter structures and crash tests. It aims at defining, if existing, the survivable envelop of the H/S diagram.

The expected benefits are :

- an improved compromise between safety and take-off/landing mass optimisation,
- consistent take-off and landing procedures,
- for elevated heliports/helidecks operations, improved deck edge clearance margins.