



The Approval and Application of emas in china

**51st CONFERENCE OF DIRECTORS GENERAL OF
CIVIL AVIATION ASIA AND PACIFIC REGIONS**

Ma Zhi Gang, China

24 – 27 November 2014

What's EMAS



- * **EMAS is Engineered Material Arresting System**
- * **Installed beyond the runway end**
- * **Designed to be able to arrest the overrunning aircraft**
- * **China started the Research & Development project in 2007.**



Approval



民航局专题会议纪要

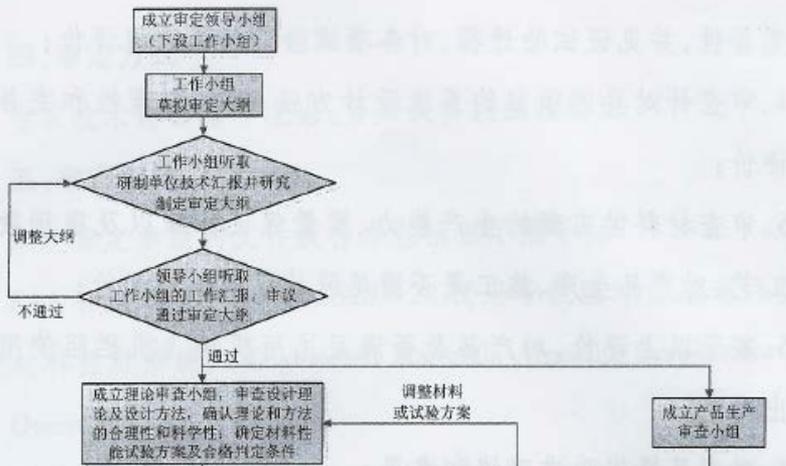
[2011]第10期

民航局综合司

二〇一一年五月二十四日

2011年5月9日,李健副局长主持召开特性材料拦阻系统(Engineered Materials Arresting Systems,简称EMAS)行业审定工作领导小组第一次会议。机场司通报了民航局成立特性材料拦阻系统(EMAS)行业审定工作领导小组情况,讨论了《特性材料拦阻系统(EMAS)审定大纲》。纪要如下:

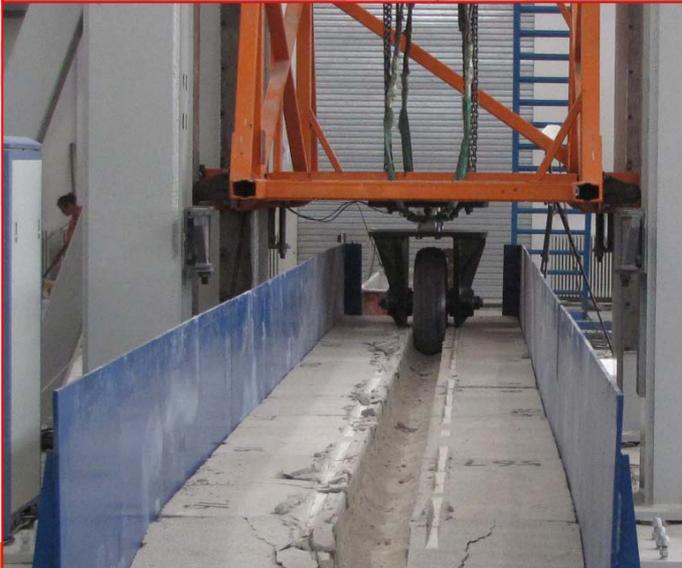
- In 2011, CAAC established an inspectors working group to work on the Approval process of EMAS.



Approval



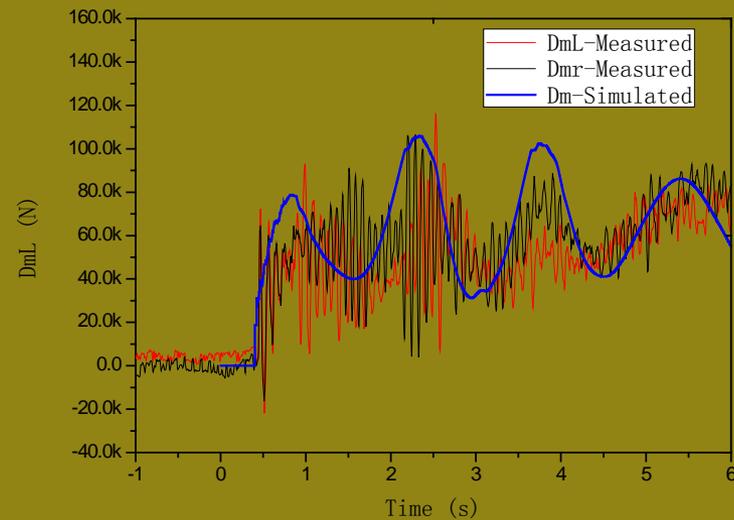
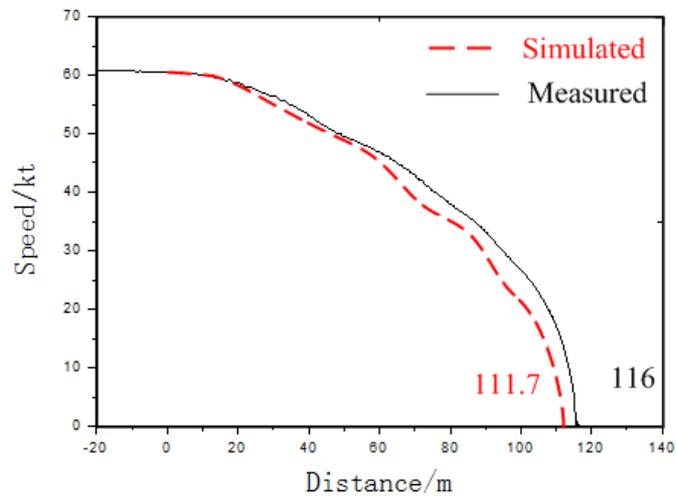
- **The group checked EMAS manufacturing factory, and focused on estimating the production capability and QA system.**
- **And review design theory and design methods of EMAS, mainly on the methods and results of single wheel loading tests, actual aircraft tests and durability tests and service safety tests.**



Approval



actual aircraft tests



Approval



中国民用航空局

民航函[2012]864号

关于同意特性材料拦阻系统开展工程化应用的批复

中国民航科学技术研究院：

你院《关于申请颁发特性材料拦阻系统许可的请示》(航科院[2012]53号文)收悉。现批复如下：



管理文件

中国民用航空局机场司

编号:MD-CA-2013-01

下发日期:2013年4月28日

特性材料拦阻系统(EMAS)
行业审定管理办法

- * In July 2012, CAAC issued certificate to LANZU-1 EMAS.
- * The Approval Requirements & Procedures of EMAS was issued by CAAC in April 2013.

Standard Establishment



CAAC will publish the full and formal standards early next year.

Application



Application



民航局文件

民航发[2013]53号

关于印发《特性材料拦阻系统(EMAS) 规划建设指导意见》的通知

民航各地区管理局,各机场公司,各航空运输公司,各地区空管局:

为认真贯彻落实《国务院关于促进民航业发展的若干意见》和《民用机场管理条例》,进一步提高机场运行安全裕度,民航局研究制定了《特性材料拦阻系统(EMAS)规划建设指导意见》,现予印发,请各单位认真遵照执行。



In the road-map for EMAS application, CAAC is planning to install EMAS in 6 more airports.

Application



- * While one set of EMAS has already been installed and fully functional at Tengchong Airport.



***Thank you!**