

47th SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE MANAGEMENT IN SPACE  
ACTIVITIES (D5)

Ensuring quality and safety in a cost constrained environment: which trade-off? (1)

Author: Mrs. Isabelle Rongier

International Association for the Advancement of Space Safety, France, isabelle.rongier@cnes.fr

Mr. Bruno Lazare

Centre National d'Etudes Spatiales (CNES), France, bruno.lazare@cnes.fr

Mr. Tommaso Sgobba

International Association for the Advancement of Space Safety, The Netherlands,  
iaass.president@gmail.com

Mr. Arndt Menzel

Germany, arndt-philip.menzel@airbus.com

Mr. Paul Wilde

Federal Aviation Administration Office of Commercial Space Transportation (FAA/AST), United States,  
Paul.wilde@faa.gov

REPORT ON THE ACTIVITIES OF THE INTERNATIONAL ASSOCIATION FOR THE  
ADVANCEMENT OF SPACE SAFETY

**Abstract**

The International Association for the Advancement of Space Safety (IAASS) is the premiere professional association worldwide dedicated to furthering international cooperation and scientific progress in the field of space safety. The final aim of the Association is to pursue the advancement of space safety on a worldwide scale to contribute to make launch and re-entry operations, space vehicles, stations, extra-terrestrial habitats, equipment and payloads safer for the general public, ground personnel, astronauts and flight participants. Concurrently, the Association is seeking to promote measures for a sustainable orbital environment aimed to protect the integrity of space-based safety critical services. The Association has also the aim of being active in space safety promotion, embodying communication and dissemination of safety information to strengthen the safety culture, promoting at the same time the development of safe commercial space flights. The main focus of the Association are education and professional training, innovative studies, and elaboration of proposals on standards and regulations, including self-regulation, to answer some of the pressing needs in the field of space safety and sustainability. In the field of innovative studies, the IAASS has established within the Association's technical committees study groups on benchmarking of risk assessments tools used by various agencies and organizations worldwide, and on the development of an advanced tool for assessing the risk for aviation due to debris and meteorites. The purpose of this paper is to present the achievement of these actions and focused especially about public safety during orbital launch and re-entry events