

SPACE TRANSPORTATION SOLUTIONS AND INNOVATIONS SYMPOSIUM (D2)
Launch Services, Missions, Operations and Facilities (2)

Author: Mr. Jean-Pierre Trincherro
Centre National d'Etudes Spatiales (CNES), (*country is not specified*), (*email is not specified*)

Mr. Bernard Chemoul
Centre National d'Etudes Spatiales (CNES), French Guiana, bernard.chemoul@cnes.fr

Mr. Alex Agapit
Centre National d'Etudes Spatiales (CNES), French Guiana, alex.agapit@cnes.fr

Mr. Alain Dartigalongue
Centre National d'Etudes Spatiales (CNES), French Guiana, alian.dartigalongue@cnes.fr

SAFETY MANAGEMENT OF NEW LAUNCH SYSTEMS VEGA AND SOYUZ AT THE GUIANA
SPACE CENTER

Abstract

Safety activities at the Guiana Space Centre (CSG) consist in a set of requirements designed to manage the technical hazards relating to the preparation and performance of launches, to ensure the safety of people and property and to protect public health and the environment, on the ground and in flight. From the beginning of Ariane programme to recently, CSG, has been dedicated to the sole Ariane launcher family. In October 2011, Soyuz, then in February 2012 Vega came in addition of Ariane as new users of CSG facilities. This major change has been made easier by the Space Operation Act that clarified responsibility of each actor. Nevertheless, adaptation of some of the range facilities and some of the method and safety procedures used so far, were necessary. The purpose of this publication is to present these evolutions in relation with each new launch vehicle problematic and specificities, to underline analogies and differences and how they aim to reach the same level of protection of people, property and protection of public health and the environment