

SYMPOSIUM ON COMMERCIAL SPACEFLIGHT SAFETY ISSUES (D6)
Commercial Space Flight Safety and Emerging Issues (1)

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SYMPOSIUM KEYNOTE: COMMERCIAL SPACE LAUNCHES SAFETY IN BRAZIL – RECENT
PROGRESS

Abstract

The beginning of commercial space launches activities in the Brazilian Alcântara Space Center (CEA), implies new challenges to assure the safety of people, properties and the environment. The Alcântara Cyclone Space company (ACS) is responsible for the commercialization and operation of launch services using the Cyclone-4 launch vehicle from its launch site in CEA. ACS is a result of the international cooperation between Brazil and the Ukraine to the peaceful uses of outer space. The Brazilian Space Agency (AEB) is responsible to give the required licenses and to assure the safety of launch activities at CEA. To comply with its responsibilities, AEB developed a set of Safety Regulation applied to commercial launch activities in Brazil. The Safety Regulation set includes launcher, payloads and launch site aspects, besides ground, launch and flight operations and environment protection. AEB develops also a safety certification organization with the Department of Aerospace Science and Technology (DCTA), the National Institute for Space Research (INPE) and the National Institute for Metrology, Standards and Industrial Quality (INMETRO). This paper describes the recent progress developed to assure the safety of commercial space launches activities in Brazil.