

46th SYMPOSIUM ON SAFETY AND QUALITY IN SPACE ACTIVITIES (D5)
Insuring Quality and Safety in a Cost Constrained Environment: Which Trade-Off? (1)

Author: Mr. Gurunadh Velidi
University of Petroleum and Energy Studies, India, guru.velidi@live.in

Ms. Harisha Emmadi
University of Petroleum and Energy Studies, India, harisha.emmadi88@gmail.com
Dr. Ugur Guven
United States, drguven@live.com

LEGAL AND POLICY ISSUES IN DEVELOPING COMMERCIAL LAUNCH BASE AND FOR
SPACECRAFT WHERE HUMAN SAFETY ISSUES INVOLVED

Abstract

The development of space tourism has come to a stage where theoretical development of the missions for the low earth orbit is with a good pace. The legal issues and policies to attract financials from the investors to develop unique successful business model, which will be appreciated by the both public and the business community with an effective manner. The major cost of operation will be elevated to high levels if individual ground handling systems need to be developed by the each operator. An intensive republic launch base development with the public interest on service based inputs will boost investments and also adds more value to the space tourism programs. This paper will address the needs of subsidies and support need to be given by the national space agencies. The specific experiences by the each space agency will address the comforts of the public in the effective programs. The ground handling systems and spacecrafts need to be developed and controlled by the independent agencies due to risk factor involved in operation. The private operators really offer marketing and travel support for boosting the market, down the line of operational experiences will really differentiate the way business progress under established conditions. However, in time, commercial space operations can enjoy the same aviation boom that common passengers have enjoyed in the last century. The developments need to have much more higher pace to execute both suborbital and orbital flights without having any barriers. The legal obligations need to be more open to attract more operators into the market, without compromising on the stands of operation. This paper will discuss these issues and it will try to set the way forward.