

SPACE OPERATIONS SYMPOSIUM (B6)  
New Operations Concepts, Advanced Systems and Commercial Space Operations (2)

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FEASIBILITY OF A PROPOSED LOW COST SATELLITE COMMUNICATION SYSTEM FOR  
SOUTH AMERICA AND MEXICO

**Abstract**

The increasing telecommunication market demand in countries of South America and Mexico present an unparalleled opportunity. A low cost orbit satellite communications system, answering the requirements set by the ever evolving satellite system industry, would answer this market demand and generate revenue to potential investors. This feasibility analysis gains utilizes a Pareto optimal solution trade space within Matlab architecture with input variables such as: demand, policy considerations, proposed system feasibility within current industry policy, regulation constraints, current economic standing. The output variables are capacity and cost of the proposed satellite communication system. This paper focuses on offering a business plan for implementing the low cost satellite communications system, while taking into account the various trade studies involved.