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OPTIMIZING LAUNCH PREPARATIONS OF A SUBORBITAL ROCKET

Abstract

This paper introduces the work done to optimize the work done for preparing a commercial suborbital rocket to be launched from the northern space ports in Europe. Such launch sites offer a great chance of European rockets to reach low space profile however it comes at very high costs due to very high labor costs. This paper presents a research of optimizing the launch preparations of a suborbital rocket to be launched from Esrange/Andoya space ports. The work presented here divides the main points in a launch campaign package and offers compromising acts to shorten the time needed to prepare a vehicle for launch. These steps offer the reviewers solutions to compress the launch campaign days and avoid extra costs while maintaining key safety points.