

Evacuation System Performance at High Altitude

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Abstract

A study was undertaken by Zodiac Aero Evacuation Systems America (Air Cruisers) to understand the impact of deploying evacuation slides at altitudes up to 15,000 ft. This requirement exists in several evacuation system technical specifications. This study was undertaken through a cooperative research program with the Civil Aeromedical Institute (CAMI) in Oklahoma City. Prior studies of this type have been conducted however this study analyzes the behavior of evacuation systems which do not contain pressure relief devices in the inflatable chambers.