
**Civil small and light unmanned
aircraft systems (UAS) under low-
pressure conditions — Test methods**

*Aéronefs sans pilote (UAS) civils petits et légers en conditions de
basses pressions — Méthodes d'essais*

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Foreword

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Introduction

The market of civil unmanned aircraft systems (UAS) is developing rapidly. UAS are widely used not only by consumers, such as for aerial photography, but also for industrial purposes, for example, powerline inspection, vegetation protection, and environmental monitoring. In high-altitude areas, the demand for UAS is also increasing. However, there are currently no standards specifically for testing the functional performance of UAS under such environmental conditions. Therefore, it is necessary to propose a scientific method to test the UAS under low -air -pressure conditions.

Other elements of the UAS, for example personnel, can also adversely affect low-pressure performance. Although they are not addressed by this document, they should be taken into consideration when determining operational suitability.

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