



**Means of Compliance  
with  
Light-UAS.2405**

Doc. No. : MOC Light-UAS.2405-01

Issue : 1

Date : 11 August 2023

Proposed  Final

Deadline for comments: 11 SEP 2023

**SUBJECT** : *Lift/Thrust/Power System Integrity*

**REQUIREMENTS incl. Amdt.** : Special condition Light-UAS Medium Risk 01,  
point Light-UAS.2405

**ASSOCIATED IM/MoC** : Yes  / No

**ADVISORY MATERIAL** : N/A

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### Introductory Note

EASA is establishing means of compliance for Special Condition Light-UAS (SC Light-UAS) Medium Risk (SAIL III and IV). The research project Shepherd analysed available standards and recommended the selection of some sections of ASTM F3298 to substantiate full compliance with Light UAS 2405. EASA has further reviewed this assessment and presents the results in this document as means of compliance with Light-UAS.2405.

The means of compliance herein presented are expected to be demonstrated within the frame of SAIL IV DVR. They can be utilized also for SAIL III. Applicability for SAIL V and VI will be assessed separately.

### List of acronyms

DVR: design verification report

SAIL: specific assurance and integrity level

## 1. SC Light-UAS.2405

*The integrity of the Lift/Thrust/Power system including mounting and accessory attachment must be demonstrated throughout the limit flight envelope of the UA.*

## 2. Means of Compliance with Special Condition Light-UAS.2405

The following sections of *ASTM standard F3298-19 "Standard Specification for Design, Construction, and Verification of Lightweight Unmanned Aircraft Systems"* address lift/thrust/power system integrity and related provided information. When all sections are complied with, Light UAS.2405 can be considered fully covered.

6.5.1 Multi-Engine (multiple rotors)

7.11.3 Propeller

7.12.6 Powerplant and Rotor/Vertical Lift System Compatibility

9.4.3 Side Load conditions

16.3 Propulsion System (with regard to 16.3.3.3, 16.3.3.4, 16.3.3.5)