

## RATIONALE

### 1. PRESENTATION

1.1. This document presents the Department of Civil Aviation Personnel (SPL) of the National Civil Aviation Agency - ANAC rationale to propose the document "Regulatory Proposal for License and Rating Requirements for Aircraft with Vertical Takeoff and Landing Capabilities", as per the competencies attributed by art. 41-A of the Internal Regulation of ANAC, approved by Resolution n° 381, of June 14, 2016.

### 2. TECHNICAL BACKGROUND

2.1. In recent years, several companies introduced projects of aircraft with vertical takeoff and landing (VTOL) capabilities, paving the way for a new concept of urban mobility. These projects present a wide variety of models, many of them based on electric propulsion.

2.2. In parallel to the development of such projects, it becomes necessary to discuss the qualification of the crew members who will operate them, as well as other professionals in civil aviation such as mechanics. Even though the final concept of many projects envisions autonomous aircraft, it is expected that the initial operations will be conducted with at least one pilot.

2.3. The Brazilian Civil Aviation Regulations RBAC No. 01 and 61 establish a category of aircraft called powered-lift aircraft. The category was originally developed for old projects of aircraft with vertical takeoff and landing capabilities that were developed for military aviation like the Bell Boeing V-22 Osprey. In civilian world, however, this concept of aircraft has never been widely applied.

2.4. Due to this limited real-world application, the requirements for such category have never been fully tested and developed. With the emergence of new projects, there is already an identified need to adapt them to new requirements or develop new ones.

2.5. The SPL has been studying the challenge presented by these new equipment as well as holding meetings with different manufacturers and international study groups. These studies are at an appropriate stage to initiate broad discussions with the market.

2.6. The proposal under consultation presents general ideas on how the SPL intends to issue licenses and ratings for such category of aircraft. The document is not a regulatory instrument itself, but rather a way to discuss these general guidelines and gather opinions from the market.

### 3. COMMENTS INVITED

3.1. Any interested person or company is invited to participate in this consultation process by submitting written comments to ANAC that include data, suggestions, viewpoints, and respective arguments.

3.2. Since the document under consultation presents only a strategy and not a detailed normative proposal, comments of all kinds regarding the topics presented are welcome.

3.3. Interested parties should submit comments in English through e-mail: [normas.spl@anac.gov.br](mailto:normas.spl@anac.gov.br)

3.4. All comments received within the deadline of this public consultation will be analyzed by ANAC.

3.5. Comments should be submitted by July 8, 2024.

### 4. CONTACT

4.1. For additional information regarding this sectorial consultation, please contact:  
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