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**NATIONAL STANDARD OF THE
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**Environmental test method for electrically heated aircraft
transparencies**

航空电加温玻璃环境试验方法

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Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and definitions
 - 3.1 fail-safe
- 4 Test environment conditions
- 5 Test items and methods
 - 5.1 Ultimate pressure
 - 5.1.1 Purpose of the test
 - 5.1.2 Test equipment

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

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Environmental test method for aviation electrically heated glass

1 Scope

This document specifies the test environment conditions and test items for environmental testing of aviation electrically heated glass and describes the corresponding test methods.

This document is applicable to the environmental test of civil aviation electrically heated glass, and other aviation electrically heated glass environmental tests shall be implemented for reference.

2 Normative references

GB/T 22778

GB/T 37826

3 Terms and definitions

The terms and definitions defined in GB/T 37826 and the following apply to this document.

3.1 fail-safe

Under a specific load, after any layer of the main bearing layer of the aviation electric heating glass is destroyed, the rest of the structure remains intact.

4 Test environment conditions

Except for special requirements, the test should be carried out under the following environmental conditions.

- a) Ambient temperature. $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$;
- b) Relative humidity. 40%~80%.

5.1.1 Purpose of the test

To test the ability of aviation electrically heated glass to withstand extreme loads.

5.1.2 Test equipment

The test equipment consists of the following parts.

- a) Test pressure chamber. The test pressure chamber should be able to simulate the actual installation state of aviation electric heating glass.

The tooling is connected to the test pressure box and can maintain a seal. The test pressure box should be strong enough to withstand the load specified in the test.

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