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ICS 49.020
CCS V04

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 34954.1-2017

Process management for avionics - Electronic components capability in operation - Part 1: Temperature uprating

航空电子过程管理 电子器件使用性能 第1部分：温度升额

(English Translation)

Issued on: July 2, 2026 **Implemented on: February 1, 2027**

Issued by: State Administration for Market Regulation, Standardization Administration of China

Preview: page 1 of 3 shown, 32 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-34954-1-2017

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1 Foreword

GB/T 34954.1-2017 was issued by State Administration for Market Regulation, Standardization Administration of China on 2 July 2026 and has been in force since 1 February 2027.

The GB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 32 pages in English translation.

2 Scope Preview

GB/T 34954.1-2017 falls under ICS 49.020, in the field of aircraft and space vehicle engineering.

This catalogue holds 598 other GB/T standards in that field.

In this catalogue, GB/T standards carry edition years from 1963 to 2026.

3 About this standard

Sector: National Standard (Recommended)

Issued by: State Administration for Market Regulation, Standardization Administration of China

English translation: about 32 pages (approximate)

Chinese original: about 47,422 characters

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4 Related standards

Other editions:

GB/T 34954.1-2026 (later edition)

Standards on related subjects:

GB/T 38905-2020 - Type designation for civil unmanned aircraft system

GB/T 38239-2019 - Service specification for space science data products

GB/T 36249-2018 - Model based aviation equipment research and development-Technical data package

GB/Z 34954.2-2026 - Process management for avionics - Electronic components capability in operation - Part 2: Semiconductor microcircuit lifetime

GB/T 34956-2017 - Atmospheric radiation effects -- Accommodation of atmospheric radiation effects via single event effects within avionics electronic equipment

GB/T 34955-2017 - Atmospheric radiation effects -- Guidelines for single event effects testing for avionics systems

5 Classification and status

International classification (ICS): 49.020

Chinese Standard Classification (CCS): V 04

Prefix GB/T: recommended standard.

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