

Indian Standard

SPECIFICATION OF TECHNICAL GRADE SULFUR HEXAFLUORIDE (SF₆) FOR USE IN ELECTRICAL EQUIPMENT (First Revision)

1 Scope

This International Standard defines the quality requirements and properties for technical grade sulfur hexafluoride (SF₆) for use in electrical equipment. It covers the properties and methods of test applicable to SF₆ when this substance is supplied for use in connection with any electrical equipment.

NOTE Throughout this standard, the term SF₆ stands for technical grade sulfur hexafluoride.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60050(191), *International Electrotechnical Vocabulary (IEV) – Chapter 191: Dependability and quality of service*

IEC 60050(212), *International Electrotechnical Vocabulary (IEV) – Chapter 212: Insulating solids, liquids and gases*

IEC 60050(441), *International Electrotechnical Vocabulary (IEV) – Chapter 441: Switchgear, controlgear and fuses*

IEC 60050(826), *International Electrotechnical Vocabulary (IEV) – Chapter 826: Electrical installations*

IEC 60480, *Guidelines for the checking and treatment of sulfur hexafluoride (SF₆) taken from electrical equipment and specification for its re-use*

IEC 61634, *High-voltage switchgear and controlgear – Use and handling of sulfur hexafluoride (SF₆) in high-voltage switchgear and controlgear*

ISO 14040, *Environmental management – Life cycle assessment – Principles and framework*