



EDC 1 (4726) DTZS

DTZS 2142-9:2026

DRAFT TANZANIA STANDARD

(Draft for comments only)

**Mini-Grid System — Part 9 Interconnection of less than 1 MW
of Generation with the National Grid.**

TANZANIA BUREAU OF STANDARDS

1 National Foreword

This draft Tanzania Standard is being prepared by the Electrical Equipment Technical Committee, under the supervision of the Electrotechnical Divisional Standards Committee (EDC)

This Tanzania Standard is a revision of TZS 2142-9:2018 (Edition 1), Mini-Grid System — Part 9: Interconnection of less than 1 MW of Generation with the National Grid, which is currently undergoing systematic revision.

Draft for Stakeholders comments only

3 Scope

This Tanzania Standard provides minimum requirements for the interconnection of mini-grid generation and associated distribution networks with the national utility (TANESCO). It specifies requirements for service quality, including service voltage levels at consumer premises, maximum harmonic levels and continuity of supply, as well as requirements for performance, operation, protection, metering and testing.

The requirements apply at the point of common coupling (PCC). Equipment, hardware and software used for the interconnection shall comply with the specified requirements and applicable standards and shall be technically qualified to operate under local service conditions.

This Tanzania Standard shall be read in conjunction with other relevant Tanzania Standards, applicable international standards, specifications, Energy Regulator's Distribution Code and Grid Code to ensure uniformity, compatibility and standardization of the distribution system.