Tensile and ductility testing of metallic materials – Status quo of the standardisation

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Abstract: This article gives an overview over the responsibilities in the International, European and National Standardisation Work.
Especially for different methods of tensile testing (tensile test at ambient temperature, tensile test at elevated temperature, tensile test with high strain rates) and ductility testing (determination of the strain hardening exponent (n-value), determination of the plastic stain ratio (r-value), forming limit diagram FLD) the status quo, new trends and activities were presented.

Keywords: Standardisation, tensile testing, ductility testing, n-value, r-value, FLD