



BSI Standards Publication

## Digital twin — Concepts and terminology

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## National foreword

This British Standard is the UK implementation of ISO/IEC 30173:2023.

The UK participation in its preparation was entrusted to Technical Committee IOT/1, Internet of Things and Digital Twin.

A list of organizations represented on this committee can be obtained on request to its committee manager.

The UK committee advises users of its concerns regarding the following aspects of this standard.

- **'DTw'**: it is the opinion of the UK committee that within the majority of UK sectors and industries using the term 'digital twin', 'DT' is the most commonly used abbreviation. It advises users that this standard uses the abbreviation 'DTw' to prevent any possible confusion with the use of 'DT' as an abbreviation for 'digital transformation'. The UK committee acknowledges the potential for more common use of 'DTw' as an abbreviation for 'digital twin' by UK sectors and industries following publication of this standard.
- **Terms**: it is the opinion of the UK committee that several of this standard's terms in Clause 3 do not align with the principles of BS ISO 704 *Terminology work — Principles and methods*.
- **'Real-time'**: when the standard uses the term 'real-time', users are advised it is the opinion of the UK committee that the frequency of synchronization is dependent on the use case being addressed. Therefore, users are advised to take care to ensure that digital twins are not overburdened by potentially excessive synchronization.
- **Stakeholders**: when applying Clause 6, 'Digital twin stakeholders', the UK committee advises users to also consider how smaller, more discrete, digital twins could be established, as it notes that other stakeholder relationship models exist and might be more appropriate.

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**Amendments/corrigenda issued since publication**

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