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### INTERNATIONAL IEEE Std 1641™ STANDARD



### Standard for Signal and Test Definition

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IEC 62529:2024

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### Standard for Signal and Test Definition

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# IEEE Standard for Signal and Test Definition

Developed by the

Test and Diagnosis for Electronic Systems Standards Committee (SCC20)
on
IEEE Standards and Standards Innovations (S&SI)
Strategic Management and Delivery Committee (SMDC)

Approved 21 September 2022

**IEEE SA Standards Board** 

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**Abstract:** The means to define and describe signals used in testing ae provided in this standard. It also provides a set of common basic signals, built upon formal mathematical specifications so that signals can be combined to form complex signals usable across all test platforms.

**Keywords:** ATE, ATLAS, automatic test equipment, IEEE 1641<sup>™</sup>, signal definitions, test definitions, test requirements, test signals, unit under test, UUT

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