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IEC 61691-1-1

Edition 3.0 2023-10

**INTERNATIONAL
STANDARD**

IEEE Std 1076™

**Behavioural languages –
Part 1-1: VHDL Language Reference Manual**

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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 25.040.01, 35.060

ISBN 978-2-8322-7517-7

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IEEE Std	FDIS	Report on voting
1076 (2019)	91/1871/FDIS	91/1885/RVD

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IEEE Std 1076™-2019

(Revision of
IEEE Std 1076-2008)

IEEE Standard for VHDL Language Reference Manual

Developed by the

Design Automation Standards Committee
of the
IEEE Computer Society

iTeh Standards

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Approved 5 September 2019

IEEE SA Standards Board

Abstract: VHSIC Hardware Description Language (VHDL) is defined. VHDL is a formal notation intended for use in all phases of the creation of electronic systems. Because it is both machine readable and human readable, it supports the development, verification, synthesis, and testing of hardware designs; the communication of hardware design data; and the maintenance, modification, and procurement of hardware. Its primary audiences are the implementors of tools supporting the language and the advanced users of the language.

Keywords: computer languages, electronic systems, hardware, hardware design, IEEE 1076™, VHDL

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