

# Year End 2019 DASC Report

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**Design Automation Standards Committee**  
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# Introduction to the DASC

- One of the oldest sponsor groups
  - founded in 1987
- Sponsors standards in the Electronic Design Automation Area
  - Mainly SW for Electronics Design, but expanding in Adjacent areas
- 20 companies in the Electronics industry represented
- Meets one a month, once per year Face to Face

# DASC and Other Standards Groups

- Continued cooperation with Accellera
  - 10 year "Get IEEE" contract funding
- Increased cooperation with Si2
  - Contributions from Si2 to P1801, P2416 and P2401
- Ongoing cooperation with JEITA
  - JEITA reps have joined DASC F2F meetings at DVCon for several years
  - DASC-JEITA joint meeting in Japan in November is now ongoing for 10 years

# 2019 Highlights (1)

Approved in 2019:

- 1076 (VHDL)
- 1481 (OLA)
- 1647 (e language)
- 1801 (UPF)
- 2401 (LSI-Package-Board)
- 2416 (System Level SW)
- 2804 (SHIM)

## 2019 Highlights (2)

- WGs Approved by NesCom in 2019:
  - P1666 (SystemC)
  - P1481 (OLA)
  - P1800 (SystemVerilog)
  - P1800.2 (UVM)
  - 2851 (Functional Safety)

# PARs Waiting Approval

- P2415 (Software Power and Security)
- P2416 (System Level Low Power)

# Current Published DASC Standards

IEEE Standard #	Approved	IEC Dual Logo
1076 VHDL	2019	D
1076.1 (VHDL AMS)	2017	D
1481 (OLA)	2019	D
1492 (SDF)	2010	D
1647 (e language)	2019	
1666 (SystemC)	2011	D
1666.1 (SystemC AMS)	2016	D
1685 (IP-XACT)	2014	D
1734 (Quality IP)	2011	D
1735 (IP Encryption)	2015	
1800 (SystemVerilog)	2017	D
1800.2 (UVM)	2017	D
1801 (UPF)	2018	D
1850 (PSL)	2010	D
2401 (LSI Package Board)	2019	D
2416 (System Level Power)	2019	
2804 (SHIM)	2019	

# New DASC Standards in Development

IEEE PAR #	PAR Approved	Ballot Expected
2415 (UHA)	2014	2020
2851 (Functional Safety)	2019	2022

\*In progress



# DASC Standards Being Revised

IEEE PAR #	PAR Approved	Ballot Expected
P1481 (OLA)	2019	2019*
P1666 (SystemC)	2018	2021
P1735 (IP encryption)	2018	2020
P1800 (SystemVerilog)	2019	2022
P1800.2 (UVM)	2019	2020

\* Before RevCon November, 2019