

SAE INTERNATIONAL

PROPOSED SAE AND OTHER SDO SUPPORT OF WP.29 LIFE CYCLE ANALYSIS INFORMAL WORKING GROUP

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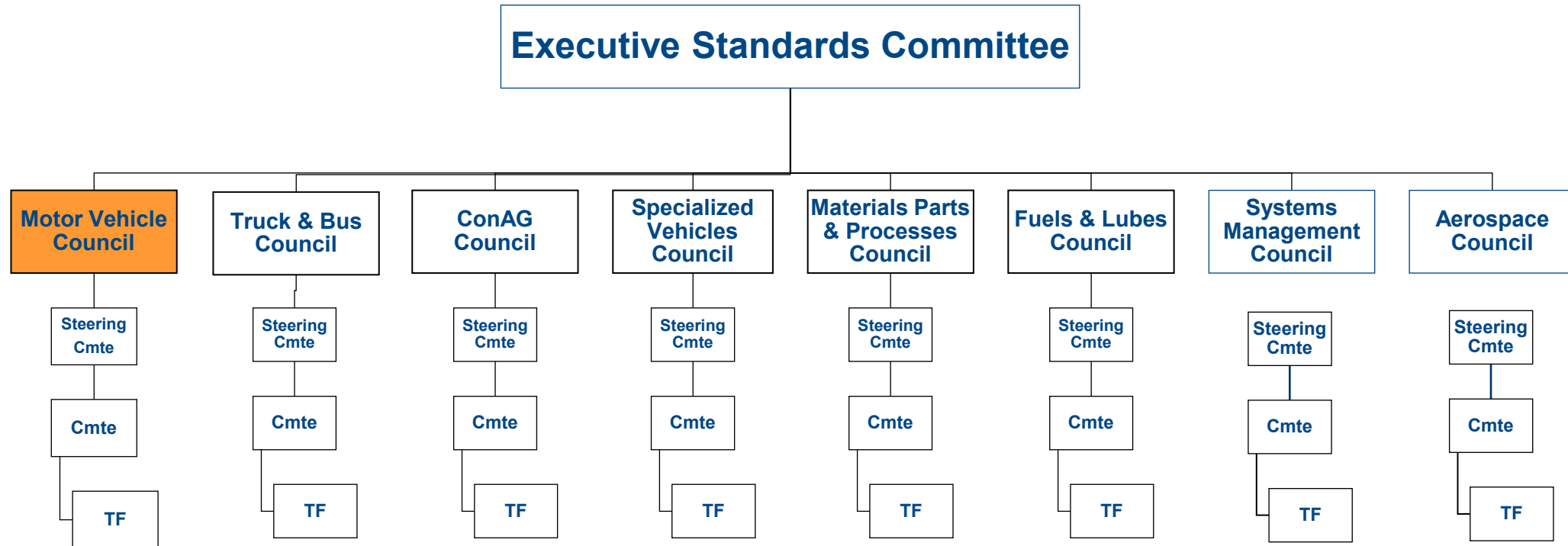
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Okinawa, Japan

26 - 28 October 2022



SAE Global Ground Vehicle Open Standards Development



- 145,000+ SAE members worldwide
- Representatives from 100 Economies

- 8,375 GV Standards Published
- 1,817 GV Standards Maintained
- 491 GV WIP Standards

- 564 GV Technical Committees
- 8,800 GV Committee Members

- 3000 Different Organizations

Standards for ITS & Advance Vehicle Technologies



**B016, B063, B163,
& B194**



SAFETY

**J1766, J1626/2, &
B092**



B061 & B101



INTEROPERABILITY

J2735 & J2953



**Driver Interface / Human
Factors**

J2399 & J2808



**VEHICLE SYSTEM & PERFORMANCE
REQUIREMENTS**

J2945/1 & B155



**GUIDELINES & RECOMMENDED
PRACTICES**

B018 & B088

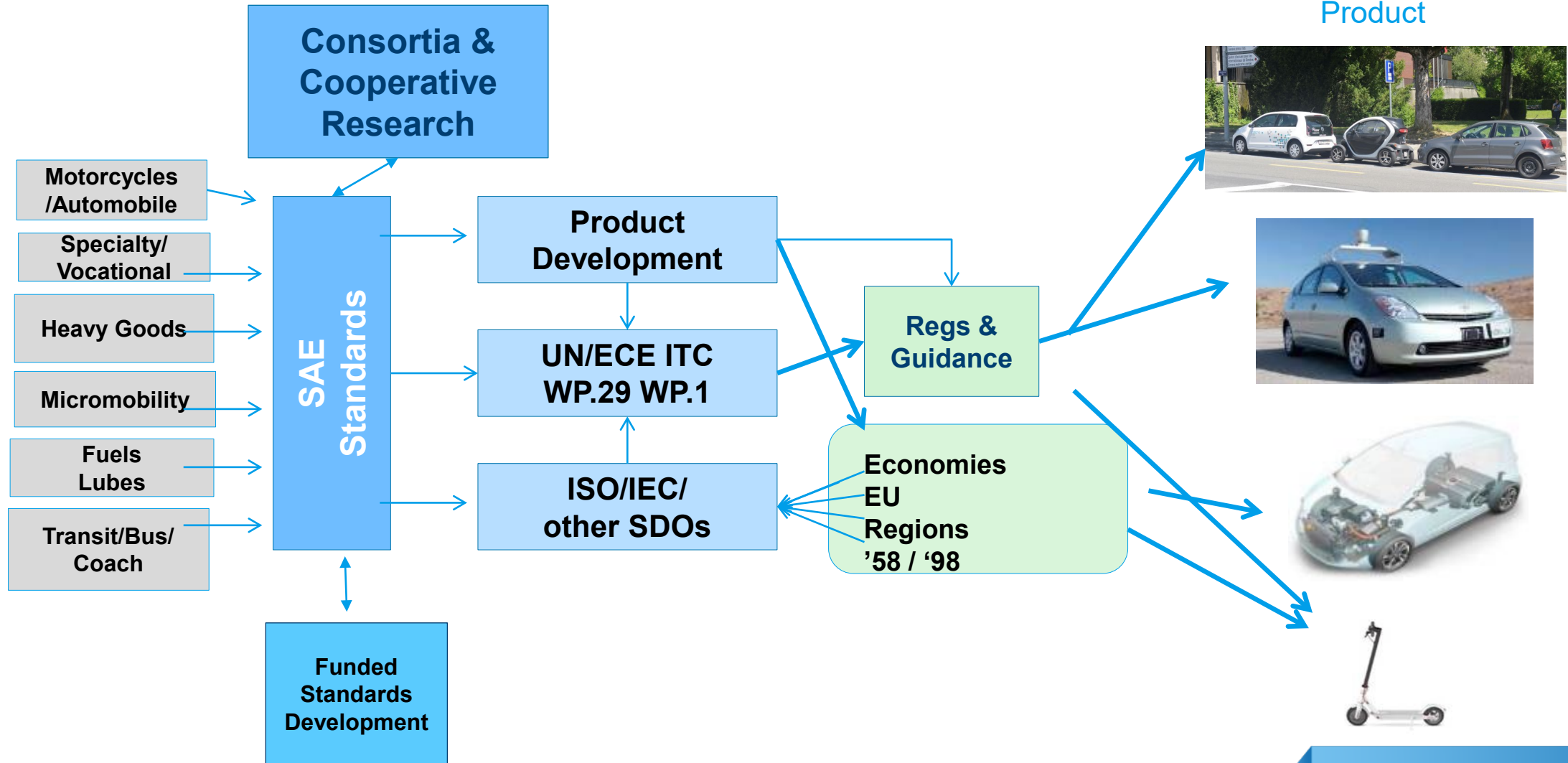


**TEST & VERIFICATION
METHODS**

B045 & B029

**STANDARDS INCORPORATED BY
REFERENCE
IBR
(KEY CUSTOMERS OF STANDARDS)**

Typical Flow: Standards Development – Regulation/Compliance - Products



Product



SAE Global Ground Vehicle Standards: United Nations

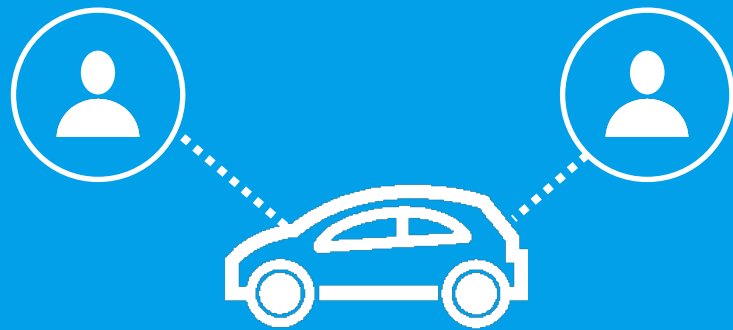
UN Inland Transport Committee:

- WP.29: World Forum for Harmonization of Vehicle Regulations
- WP.1: Global Forum for Road Traffic Safety

**International
Telecommunications Union
World Trade Organization**



SHARED & MICROMOBILITY



Recent Example of Taxonomy and Classification Document:

Taxonomy and Classification of Powered Micromobility Vehicles

- Ground Vehicle Standard
- J3194_201911
- Issued

Published November 20, 2019: by [SAE International](#) in United States

Downloadable datasets available

Sector:

- [Automotive](#)

Issuing Committee:

- [Powered Micromobility Vehicles Committee](#)

Language: English

Scope

This technical report provides a taxonomy and classification of powered Micromobility vehicles. These vehicles may be privately owned or be available via shared- or rental-fleet operations. This technical report does not provide specifications or otherwise impose minimum safety design requirements for powered Micromobility vehicles.

Rationale

Standardizing terms, definitions, and classification of powered Micromobility vehicles serves several purposes. Standardization will:

- Provide a commonality of terms, definitions, and classifications of powered Micromobility vehicles for industry, consumers, and public agencies (e.g., regulators and partnering agencies);
 - Reduce discrepancies in terminology used across jurisdictions and sectors; and
 - Allow public agencies to clarify policies related to powered micromobility vehicles.
- This technical report has been developed according to the following guiding principles. It should:
- Provide functional definitions;
 - Be consistent with current industry practice and existing literature to the extent practicable;
 - Be useful across disciplines; and
 - Be clear and cogent.

EXAMPLE OF MULTI-MODE STANDARD:



SAE Mobilus



William Gouse

Standards

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News

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CURRENT

ISSUED

2021-06-10

Taxonomy of On-Demand and Shared Mobility: Ground, Aviation, and Marine [JA3163_202106](#)

This SAE Recommended Practice provides a taxonomy of terms related to local and regional on-demand and shared mobility services (including ground, aviation, and maritime) and their enabling technologies. Functional definitions for shared modes (both fleet sharing and ride services), services, business models, and mobility applications are defined in this SAE Recommended Practice. This SAE Recommended Practice also provides a taxonomy of related terms and definitions. Though public transport is part of shared mobility, it is not included in this SAE Recommended Practice because its definition is well-established and documented. This document does not provide specifications or otherwise impose requirements on on-demand and shared mobility.

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PROPOSED ROLE OF SAE & OTHER STANDARDS ORGANIZATIONS:

- **FORM AN INTERNATIONAL TAXONOMY AND DEFINITIONS TASK FORCE WITHIN AN SDO(S) FOR INCORPORATION BY REFERENCE INTO ANY UN ITC / WP.29 / OTHER UN DOCUMENTS AND ANY APPROPRIATE CONTRACTING PARTY, NGO DOCUMENTS**
- **FORM A LCA STANDARDS DEVELOPMENT COMMITTEE AND DRAFT A (*LIVING DOCUMENT*) “STANDARDS” ROADMAP / WORK PLAN FOR REGULAR PRESENTATION TO THIS IWG**
- **DRAFT AND EXECUTE ANY NECESSARY PARTNERSHIP AGREEMENTS/MEMORANDUM OF UNDERSTANDING BETWEEN SDO’S, OTHER NGO’S, CP’S**

Thank You

Presenter's Contact Information:

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