



SURFACE VEHICLE RECOMMENDED PRACTICE

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Taxonomy and Definitions for Terms Related to
Shared Mobility and Enabling Technologies

RATIONALE

SAE J3163 is cancelled because it is superseded by SAE JA3163.

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Documents

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1. SCOPE

This Recommended Practice provides a taxonomy and definitions for terms related to shared mobility and enabling technologies. Included are functional definitions for shared modes (e.g., carsharing, bikesharing, ridesourcing, etc.). Public transit services and other incumbent services—such as car rentals, shuttles, taxis, paratransit, ridesharing (carpooling/vanpooling), and pedicabs—are also included in the ecosystem of shared mobility services. This Recommended Practice also provides a taxonomy of related terms and definitions (e.g., station-based roundtrip, free-floating one-way, etc.). This Recommended Practice does not provide specifications or otherwise impose requirements on shared mobility.

NOTE: At the time of this writing, Mobility on Demand (MOD) and Mobility as a Service (MaaS) are evolving concepts that could be defined in a future revision.

2. REFERENCES

2.1 Applicable Documents

The following publications form part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue of SAE publications shall apply.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606- 7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

SAE J3016 Taxonomy and Definitions for Terms Related to Driving Automation Systems for On-Road Motor Vehicles

2.1.2 American Planning Association

Available from the American Planning Association, 205 North Michigan Avenue, Suite 1720, Chicago, IL 60601, Tel: +1 312-431-9100, www.planning.org.

- [1] Cohen, Adam, and Susan Shaheen. 2016. Planning for Shared Mobility. Available at <https://www.planning.org/publications/report/9107556/>.

2.1.3 U.S. Department of Transportation

Available from the U.S. Department of Transportation, 1200 New Jersey Avenue, SE, Washington, DC, 20590, Tel: +1 202-366-4000, www.transportation.gov.

- [2] Shaheen, Susan, Adam Cohen, Balaji Yelchuru, and Sara Sarkhili. 2017. Mobility on Demand Operational Concept Report. Available at: <https://rosap.ntl.bts.gov/view/dot/34258>.
- [3] Shaheen, Susan, Adam Cohen, and Ismail Zohdy. 2016. Shared Mobility: Current Practices and Guiding Principles. Available at <https://ops.fhwa.dot.gov/publications/fhwahop16022/fhwahop16022.pdf>.
- [4] Shaheen, Susan, Adam Cohen, Ismail Zohdy, and Beaudry Kock. 2016. Smartphone Applications to Influence Travel Choices: Practices and Policies. Available at <http://www.ops.fhwa.dot.gov/publications/fhwahop16023/fhwahop16023.pdf>.

2.2 Related Publications

The following publications are provided for information purposes only and are not a required part of this SAE Technical Report.