



TO: Ken Buckeye, DBUF Program Manager, Minnesota Department of Transportation
FROM: Markell Moffett, WSP
SUBJECT: Minnesota Distance Based User Fee Demonstration – SM Provider Testing Status
DATE: March 31, 2020

The Minnesota Distance Based User Fee Demonstration is planned to launch demonstration operations on April 1st, 2020. To prepare for the April 1st demonstration operations launch date, WSP has coordinated with each Shared Mobility (SM) Provider to conduct Unit (component), Integration, and Acceptance Testing, to test all systems, processes and components needed to support data collection, processing and reporting during the demonstration.

The status of each provider’s testing is detailed below, along with WSP’s recommendations for continuing to move towards an April 1st demonstration launch.

VSI LABS

Status: Certified

VSI successfully completed Unit, Integration, and Acceptance Testing (“Dry Run”) during the month of March 2020. The table below depicts the status of VSI’s compliance for requirements under each phase of testing.

Testing Phase	# of Requirements				
	Total	Compliant	Non-Compliant	N/A	Remaining
Unit Testing	87	72	0	15	0
Integration Testing	87	4	0	83	0
Acceptance Testing	87	53	0	34	0

RECOMMENDATION

WSP recommends VSI be considered compliant with all demonstration requirements, completing unit, integration and acceptance testing phases, and be approved for demonstration launch and operations on April 1st, 2020.

HOURCAR

Status: Certified

HOURCAR successfully completed Unit, Integration, and Acceptance Testing (“Dry Run”) during the month of March 2020. The table below depicts the status of HOURCAR’s compliance for requirements under each phase of testing.

Testing Phase	# of Requirements				
	Total	Compliant	Non-Compliant	N/A	Remaining
Unit Testing	87	81	0	6	0
Integration Testing	87	7	0	80	0
Acceptance Testing	87	55	0	32	0

RECOMMENDATION

WSP recommends HOURCAR be considered compliant with all demonstration requirements, completing unit, integration and acceptance testing phases, and be approved for demonstration launch and operations on April 1st, 2020.

ZIPCAR

Status: Conditionally Certified

Zipcar initiated Unit Testing on March 16th, 2020, at which time 57 requirements were deemed compliant. Zipcar is working with their data science team to gather the documentation needed to prove compliance with 24 remaining systems needs requirements.

Zipcar successfully Integration and Acceptance Testing (“Dry Run”) during the month of March 2020. The table below depicts the status of Zipcar’s compliance for requirements under each phase of testing.

Testing Phase	# of Requirements				
	Total	Compliant	Non-Compliant	N/A	Remaining
Unit Testing	87	57	0	6	24
Integration Testing	87	7	0	80	0
Acceptance Testing	87	55	0	32	0

RECOMMENDATION

WSP recommends Zipcar be conditionally certified, and approved to move forward with demonstration launch on April 1st, with the following punchlist requirements and action items:

- ▶ 24 System Needs requirements – Unit Testing: Zipcar to provide proof of compliance to WSP no later than April 30th, 2020, prior to transmitting data to the shared demonstration data repository for month 1 of the demonstration (May 1-10).

WSP will monitor the status of any punchlisted requirements and completion of action items to ensure the Minnesota DBUF Demonstration is successfully deployed and operated to meet project needs.

Sincerely,

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