(C) the potential use of computer simulation techniques, as a supplement to physical crash tests, to conduct virtual simulations of vehicle crash tests in order to evaluate predicted motor vehicle safety outcomes based on the different physical and demographic characteristics of motor vehicle occupants; and (3) provides policy recommendations for reducing disparities in motor vehicle safety testing and outcomes based on demographic characteristics, including sex.

SEC. 24222. CHILD SAFETY.

(a) Amendment.—

(1) IN GENERAL.—Chapter 323 of title 49, United States Code, is amended by adding after section 32304A the following:

“§ 32304B. Child safety

“(a) Definitions.—In this section:

“(1) Passenger motor vehicle.—The term ‘passenger motor vehicle’ has the meaning given that term in section 32101.

“(2) Rear-designated seating position.—The term ‘rear-designated seating position’ means designated seating positions that are rearward of the front seat.
“(3) SECRETARY.—The term ‘Secretary’ means
the Secretary of Transportation.

“(b) RULEMAKING.—Not later than 2 years after the
date of enactment of this section, the Secretary shall issue
a final rule requiring all new passenger motor vehicles
weighing less than 10,000 pounds gross vehicle weight to
be equipped with a system to alert the operator to check
rear-designated seating positions after the vehicle engine
or motor is deactivated by the operator.

“(c) MEANS.—The alert required under subsection
(b)—

“(1) shall include a distinct auditory and visual
alert, which may be combined with a haptic alert;
and

“(2) shall be activated when the vehicle motor
is deactivated by the operator.

“(d) PHASE-IN.—The rule issued pursuant to sub-
section (b) shall require full compliance with the rule be-
beginning on September 1st of the first calendar year that
begins 2 years after the date on which the final rule is
issued.”.

(2) CLERICAL AMENDMENT.—The analysis for
chapter 323 of title 49, United States Code, is
amended by inserting after the item relating to sec-
tion 32304A the following:

“32304B. Child safety.”.
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(b) AWARENESS OF CHILDREN IN MOTOR VEHICLES.—Section 402 of title 23, United States Code (as amended by section 24102(a)(9)), is amended by adding at the end the following:

“(o) UNATTENDED PASSENGERS.—

“(1) IN GENERAL.—Each State shall use a portion of the amounts received by the State under this section to carry out a program to educate the public regarding the risks of leaving a child or unattended passenger in a vehicle after the vehicle motor is deactivated by the operator.

“(2) PROGRAM PLACEMENT.—Nothing in this subsection requires a State to carry out a program described in paragraph (1) through the State transportation or highway safety office.”.

(e) STUDY AND REPORT.—

(1) STUDY.—

(A) IN GENERAL.—The Secretary shall conduct a study on—

(i) the potential retrofitting of existing passenger motor vehicles with 1 or more technologies that may address the problem of children left in rear-designated seating positions of motor vehicles after deactivate-
tion of the motor vehicles by an operator;
and
(ii) the potential benefits and burdens,
logistical or economic, associated with
widespread use of those technologies.

(B) ELEMENTS.—In carrying out the
study under subparagraph (A), the Secretary
shall—

(i) survey and evaluate a variety of
methods used by current and emerging
aftermarket technologies or products to re-
duce the risk of children being left in rear-
designated seating positions after deactiva-
tion of a motor vehicle; and

(ii) provide recommendations—

(I) for manufacturers of the tech-
nologies and products described in
clause (i) to carry out a functional
safety performance evaluation to en-
sure that the technologies and prod-
ucts perform as designed by the man-
ufacturer under a variety of real-world
conditions; and

(II) for consumers on methods to
select an appropriate technology or
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product described in clause (i) in
order to retrofit existing vehicles.

(2) REPORT BY SECRETARY.—Not later than
180 days after the date on which the Secretary
issues the final rule required by section 32304B(b)
of title 49, United States Code (as added by sub-
section (a)(1)), the Secretary shall submit a report
describing the results of the study carried out under
paragraph (1) to—

(A) the Committee on Commerce, Science,
and Transportation of the Senate; and

(B) the Committee on Energy and Com-
merce of the House of Representatives.

TITLE V—RESEARCH AND
INNOVATION

SEC. 25001. INTELLIGENT TRANSPORTATION SYSTEMS PRO-
GRAM ADVISORY COMMITTEE.

Section 515(h) of title 23, United States Code, is
amended—

(1) in paragraph (1), by inserting “(referred to
in this subsection as the ‘Advisory Committee’)”
after “an Advisory Committee”;

(2) in paragraph (2)—