(e) Cybersecurity Research and Development.—Not later than 1 year after the date of enactment of this Act, the Administrator, in consultation with other agencies as appropriate, shall establish a cybersecurity research and development plan for the national airspace system, including—

(1) any proposal for research and development cooperation with international partners;

(2) an evaluation and determination of research and development needs to determine any cybersecurity risks of cabin communications and cabin information technology systems on board in the passenger domain; and

(3) objectives, proposed tasks, milestones, and a 5-year budgetary profile.

SEC. 2112. REPAIR STATIONS LOCATED OUTSIDE UNITED STATES.

(a) Risk-Based Oversight.—Section 44733 of title 49, United States Code, is amended—

(1) by redesignating subsection (f) as subsection (g);

(2) by inserting after subsection (e) the following:

“(f) Risk-Based Oversight.—
“(1) IN GENERAL.—Not later than 90 days after the date of enactment of the FAA Extension, Safety, and Security Act of 2016, the Administrator shall take measures to ensure that the safety assessment system established under subsection (a)—

“(A) places particular consideration on inspections of part 145 repair stations located outside the United States that conduct scheduled heavy maintenance work on part 121 air carrier aircraft; and

“(B) accounts for the frequency and seriousness of any corrective actions that part 121 air carriers must implement to aircraft following such work at such repair stations.

“(2) INTERNATIONAL AGREEMENTS.—The Administrator shall take the measures required under paragraph (1)—

“(A) in accordance with United States obligations under applicable international agreements; and

“(B) in a manner consistent with the applicable laws of the country in which a repair station is located.

“(3) ACCESS TO DATA.—The Administrator may access and review such information or data in
the possession of a part 121 air carrier as the Ad-
ministrator may require in carrying out paragraph
(1)(B).”; and
(3) in subsection (g) (as so redesignated)—

(A) by redesignating paragraphs (1) and
(2) as paragraphs (2) and (3), respectively; and
(B) by inserting before paragraph (2) (as
so redesignated) the following:

“(1) **HEAVY MAINTENANCE WORK.**—The term ‘heavy maintenance work’ means a C-check, a D-
check, or equivalent maintenance operation with re-
spect to the airframe of a transport-category air-
craft.”.

(b) **ALCOHOL AND CONTROLLED SUBSTANCES TESTING.**—The Administrator of the Federal Aviation Admin-
istration shall ensure that—

(1) not later than 90 days after the date of en-
actment of this Act, a notice of proposed rulemaking
required pursuant to section 44733(d)(2) is pub-
lished in the Federal Register; and

(2) not later than 1 year after the date on
which the notice of proposed rulemaking is published
in the Federal Register, the rulemaking is finalized.

(c) **BACKGROUND INVESTIGATIONS.**—Not later than
180 days after the date of enactment of this Act, the Ad-
ministrator shall ensure that each employee of a repair
station certificated under part 145 of title 14, Code of
Federal Regulations, who performs a safety-sensitive func-
tion on an air carrier aircraft has undergone a pre-employ-
ment background investigation sufficient to determine
whether the individual presents a threat to aviation safety,
in a manner that is—

(1) determined acceptable by the Administrator;

(2) consistent with the applicable laws of the
country in which the repair station is located; and

(3) consistent with the United States obligations under international agreements.

SEC. 2113. ENHANCED TRAINING FOR FLIGHT ATTEND-
ANTS.

Section 44734(a) of title 49, United States Code, is
amended—

(1) in paragraph (2) by striking “and” at the
end;

(2) in paragraph (3) by striking the period at
the end and inserting “; and”; and

(3) by adding at the end the following:
“(4) recognizing and responding to potential
human trafficking victims.”.