

S.1405 Blumenthal - Markey - 3 as modified

Richard Blumenthal
S.L.C.

ROS17851

AMENDMENT NO. _____ Calendar No. _____

Purpose: To improve the safety of the air supply on commercial aircraft.

IN THE SENATE OF THE UNITED STATES—115th Cong., 1st Sess.

S. 1405

To amend title 49, United States Code, to authorize appropriations for the Federal Aviation Administration, and for other purposes.

Referred to the Committee on _____ and ordered to be printed

Ordered to lie on the table and to be printed

AMENDMENT intended to be proposed by Mr. BLUMENTHAL

Viz:

- 1 At the end of subtitle C of title II, add the following:
- 2 **SEC. 2315. AIRCRAFT AIR QUALITY.**
- 3 (a) **EDUCATIONAL MATERIALS.**—Not later than one
- 4 year after the date of the enactment of this Act, the Ad-
- 5 ministrator of the Federal Aviation Administration shall,
- 6 in consultation with relevant stakeholders, establish and
- 7 make available on a publicly available Internet website of
- 8 the Administration, educational materials for flight at-
- 9 tendants, pilots, aircraft maintenance technicians, and air-
- 10 port first responders and emergency response teams on

1 how to respond to incidents on board aircraft involving
2 smoke or fumes.

3 (b) REPORTING OF INCIDENTS OF SMOKE OR FUMES
4 ON BOARD AIRCRAFT.—Not later than 180 days after the
5 date of the enactment of this Act, the Administrator shall,
6 in consultation with relevant stakeholders, issue guidance
7 for flight attendants, pilots, aircraft maintenance techni-
8 cians, and airport first responders and emergency re-
9 sponse teams to report incidents of smoke or fumes on
10 board an aircraft operated by a commercial air carrier and
11 with respect to the basis on which commercial air carriers
12 shall report such incidents through the Service Difficulty
13 Reporting System.

14 (c) RESEARCH TO DEVELOP TECHNIQUES TO MON-
15 ITOR BLEED AIR QUALITY.—Not later than 180 days
16 after the date of the enactment of this Act, the Adminis-
17 trator shall commission a study by the Airliner Cabin En-
18 vironment Research Center of Excellence—

19 (1) to identify and measure the constituents
20 and levels of constituents resulting from bleed air in
21 the cabins of a representative set of commercial air-
22 craft in operation of the United States;

23 (2) to assess the potential health effects of such
24 constituents on passengers and cabin and flight deck
25 crew;

1 (3) to identify technologies suitable to provide
2 reliable and accurate warning of bleed air contami-
3 nation, including technologies to effectively monitor
4 the aircraft air supply system when the aircraft is
5 in flight; and

6 (4) to identify potential techniques to prevent
7 fume events.

8 (d) REPORT REQUIRED.—Not later than one year
9 after the date of the enactment of this Act, the Adminis-
10 trator shall submit to the appropriate committees of Con-
11 gress a report on the feasibility, efficacy, and cost-effec-
12 tiveness of certification and installation of systems to
13 evaluate bleed air quality.

14 (e) PILOT PROGRAM.—The Federal Aviation Admin-
15 istration may conduct a pilot program to evaluate the ef-
16 fectiveness of technologies identified in subsection (c).