

**AMENDMENT TO RULES COMMITTEE PRINT**

**118-11**

**OFFERED BY MS. JAYAPAL OF WASHINGTON**

At the end of the bill, add the following:

1 **TITLE XIII—AIRCRAFT CABINS**

2 **SEC. 1301. REGULATION OF ENVIRONMENTAL CONDITIONS**

3 **IN AIRCRAFT CABINS.**

4 (a) TEMPERATURE OF CABIN VENTILATION SYS-  
5 TEMS.—The Administrator of the Federal Aviation Ad-  
6 ministration shall issue regulations requiring that, on air-  
7 craft in operation—

8 (1) cabin ventilation systems is operated to  
9 maintain a temperature between 60 and 80 degrees  
10 Fahrenheit, except that an upper limit of 85 degrees  
11 Fahrenheit is permitted if in-seat entertainment  
12 units are operated throughout the cabin; and

13 (2) the aircraft’s cabin temperature control sys-  
14 tems is designed to maintain a target temperature  
15 between 65 and 75 degrees Fahrenheit while the air-  
16 craft is in operation.

17 (b) IN OPERATION DEFINED.—In this section, the  
18 term “in operation” means the time period beginning

- 1 when the first passenger enters the aircraft and ending
- 2 when the last passenger leaves the aircraft.

3 **SEC. 1302. TEMPERATURE MONITORING EQUIPMENT.**

4 (a) REQUIREMENT TO INCLUDE ON AIRCRAFT.—Not  
5 later than 180 days after the date of the enactment of  
6 this Act, the Administrator shall issue regulations requir-  
7 ing an air carrier, after a 90-day public comment period  
8 and not later than 1 year after the regulations are pub-  
9 lished in the Federal Register:

10 (1) To install and operate at least 3 onboard  
11 temperature sensors located at the front, back, and  
12 middle of the cabin that shall—

13 (A) be mounted in a location that ade-  
14 quately captures the cabin temperature experi-  
15 enced by the aircraft passengers and crew-  
16 members;

17 (B) monitor and digital log temperature  
18 data at an interval that does not exceed 1  
19 minute; and

20 (C) include an indicator to alert the pilots  
21 and flight attendants to temperatures that do  
22 not meet the limits in section 1301 of this title.

23 (2) To make temperature data from all sensors  
24 accessible and visible to all crewmembers in real  
25 time.

1           (3) To record temperature data electronically  
2           onboard the aircraft, and store said data for at least  
3           30 days.

4           (4) To have in place procedures to train the  
5           crewmembers to implement standardized cabin tem-  
6           perature communication protocols with each other.

7           (5) To have in place procedures to train the pi-  
8           lots to initiate standardized cabin temperature com-  
9           munication protocols with air traffic controllers, as  
10          needed, that can be initiated in response to cabin  
11          temperatures that do not meet the requirements of  
12          section 1301 of this title.

13          (b) INCLUSION OF INFORMATION RELATING TO  
14          CABIN TEMPERATURE MONITORING EQUIPMENT IN AIR-  
15          CRAFT MANUAL.—Not later than 1 year after the date  
16          of the enactment of this Act, the Administrator shall issue  
17          regulations requiring an aircraft manufacturer that manu-  
18          factures aircraft for air carriers to include procedures for  
19          responding to alerts from temperature monitoring equip-  
20          ment required under subsection (a) during normal and  
21          nonstandard operations in the flight operator’s manual for  
22          each such aircraft produced by the manufacturer.

23          (c) ON GROUND HEATING AND COOLING SYS-  
24          TEMS.—Each air carrier shall ensure the provision of a  
25          sufficient number of well-maintained and staffed ground

1 heating and cooling systems for on-demand use at each  
2 of the air carrier's airport stations in order to ensure com-  
3 pliance with section 1301 of this title.

4 (d) **RULE OF CONSTRUCTION.**—Nothing in this sec-  
5 tion may be construed to require that an investigation  
6 under section 1304 is not necessary or that crew members  
7 and passengers have not been exposed to dangerous cabin  
8 conditions if the alarm from any temperature sensor in-  
9 stalled on an aircraft is not activated.

10 **SEC. 1303. REPORTING.**

11 (a) **GENERAL REPORTING REQUIREMENTS.**—The  
12 Administrator of the Federal Aviation Administration  
13 shall carry out the following:

14 (1) Develop a standardized form for flight at-  
15 tendants, pilots, and aircraft maintenance techni-  
16 cians to report incidents when an aircraft's cabin  
17 temperature exceeds the limits defined in section  
18 1301.

19 (2) Establish a system for reporting tempera-  
20 ture exceedance incidents that allows for the fol-  
21 lowing:

22 (A) Pilots, flight attendants, and aircraft  
23 maintenance technicians to—

1 (i) submit the form developed under  
2 paragraph (1) to the Administrator and  
3 the relevant air carrier; and

4 (ii) receive a copy of such submission  
5 for their records.

6 (B) Pilots, flight attendants, aircraft main-  
7 tenance technicians, the collective bargaining  
8 representative of employees of the air carrier,  
9 and air carriers to search the reported incidents  
10 database compiled by the Administrator for the  
11 purposes of reviewing and monitoring incidents  
12 contained in the database and assisting with in-  
13 vestigations conducted under section 1304.

14 (b) CONTENT OF REPORTING FORMS.—The form de-  
15 veloped under subsection (a)(1) for reporting temperature  
16 exceedance incidents shall include sections for the fol-  
17 lowing information, if available at the time of the report:

18 (1) Identification of the flight number, the city  
19 pair, the type of aircraft, the registration number of  
20 the aircraft, and the individual reporting the inci-  
21 dent.

22 (2) The sensor location(s) where temperature  
23 exceeded the limits defined in section 1301.

1           (3) The average, maximum, and minimum tem-  
2           peratures recorded at all sensor locations in the  
3           cabin during the incident.

4           (4) Information about—

5                 (A) any phase of flight during which cabin  
6                 temperatures exceeded the limits described in  
7                 section 1301; and

8                 (B) the time and duration of the tempera-  
9                 ture exceedance incident.

10           (5) Information regarding any disruption to the  
11           operation of the flight or subsequent flights.

12           (6) Information about relevant maintenance  
13           work conducted on the aircraft prior to and fol-  
14           lowing the incident.

15           (7) Relevant environmental monitoring data,  
16           such as relative humidity, collected in the cabin dur-  
17           ing the flight.

18           (8) Information about on demand availability,  
19           use, effectiveness, and maintenance of any and all  
20           ground systems required in section 1302(d) to heat  
21           or cool the aircraft operated by the air carrier.

22           (c) PUBLIC AVAILABILITY OF TEMPERATURE EVENT  
23           INFORMATION.—The Administrator of the Federal Avia-  
24           tion Administration shall carry out the following:

1           (1) Compile, and make available to the public,  
2           statistics regarding the information obtained from  
3           the forms developed under subsection (a) and sub-  
4           mitted to the Administrator not less than every 3  
5           months.

6           (2) Develop a publicly available internet website  
7           that includes the aggregate data required under  
8           paragraph (1) and a searchable database for the  
9           events reported to the Administrator under sub-  
10          section (a) that includes the following variables for  
11          each event:

12                   (A) Date.

13                   (B) Tail number.

14                   (C) Aircraft type.

15                   (D) Air carrier.

16                   (E) Phase of flight.

17                   (F) Location of temperature exceedance  
18          events in the cabin.

19                   (G) Deidentified narrative.

20                   (H) Relevant maintenance information.

21                   (I) Such other criteria as the Adminis-  
22          trator considers appropriate.

23          (3) Redact any personally identifiable informa-  
24          tion before making either individual event informa-

1       tion or aggregate data available to the public under  
2       paragraph (1) or (2).

3 **SEC. 1304. INVESTIGATIONS.**

4       (a) IN GENERAL.—Not later than 180 days after the  
5       date of the enactment of this Act, the Administrator shall  
6       promulgate regulations as follows:

7           (1) Authorizing the Federal Aviation Adminis-  
8       tration to, at their discretion, conduct an investiga-  
9       tion described in subsection (b) not less than 7 days  
10      after a report is submitted to the Administrator  
11      through the system for reporting temperature ex-  
12      ceedance incidents established under section 1303.

13          (2) Requiring the Federal Aviation Administra-  
14      tion to conduct an investigation described in sub-  
15      section (b) when the report indicates that 1 or more  
16      crew members or passengers had symptoms that re-  
17      quired medical attention.

18      (b) REQUIREMENTS FOR INVESTIGATIONS.—An in-  
19      vestigation described in this subsection shall include the  
20      following:

21          (1) Gathering factual and standardized infor-  
22      mation from all flight attendants, pilots, aircraft  
23      maintenance technicians, airport first responders  
24      emergency response teams, and medical doctors in-  
25      volved in the incident.



1           (2) Gathering any reports submitted under sec-  
2           tion 1303 with respect to the incident.

3           (3) Gathering technical findings on any re-  
4           placed, worn, missing, failed, or improperly serviced  
5           components on the aircraft and on any ground heat-  
6           ing and cooling systems that may have resulted in  
7           or contributed to the incident.

8           (4) Identifying the cause of the incident, if pos-  
9           sible.

10          (c) PARTICIPATION OF AIR CARRIERS AND COLLEC-  
11          TIVE BARGAINING REPRESENTATIVES.—In conducting an  
12          investigation under this section, the Federal Aviation ad-  
13          ministration shall—

14                 (1) consult with the air carrier involved;

15                 (2) work in conjunction with the technical rep-  
16                 resentatives of the air carrier; and

17                 (3) invite the participation of the collective bar-  
18                 gaining representative of employees of the air car-  
19                 rier.

20          **SEC. 1305. PENALTIES.**

21          (a) IN GENERAL.—The Administrator shall admin-  
22          ister the following penalties to air carriers that repeatedly  
23          fail to comply with the temperature limits defined in sec-  
24          tion 1301—

- 1           (1) \$20,000 for 3 incidents within 1 month;  
2           and  
3           (2) \$50,000 for 5 incidents within 2 months.

4           (b) INVESTIGATIONS.—Not later than 30 days after  
5 issuing a penalty to an air carrier, the Administrator shall  
6 conduct an investigation of the incidents, as outlined in  
7 section 1304. Following the investigation, the Adminis-  
8 trator shall issue a compliance action for the carrier to  
9 address any root cause of the repeated incidents, and es-  
10 tablish protocols that prevent further non-compliance.

11 **SEC. 1306. EXCLUSION.**

12           The provisions of this title shall not apply to an air-  
13 craft with an unpressurized cabin.

