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Technical Report Documentation Page

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12. Abstract The Federal Aviation Administration (FAA) needs to assess the health risks caused by radiation exposure among crewmembers operating under Part 121. This study was directed in Section 322 of the 2024 FAA Reauthorization Act, with the study commencing not later than 120 days after the date of enactment of the Act. SEC. 322. STUDY ON RADIATION EXPOSURE. (a) STUDY.—Not later than 120 days after the date of enactment of this Act, the Secretary shall seek to enter into appropriate arrangements with the National Academies of Sciences, Engineering, and Medicine under which the National Research Council of the National Academies shall conduct a study on radiation exposure to crewmembers onboard various aircraft types operated under part 121 of title 14, Code of Federal Regulations. (b) SCOPE OF STUDY.—In conducting the study under subsection (a), the National Research Council shall assess— (1) radiation concentrations in such aircraft at takeoff, in-flight at high altitudes, and upon landing; (2) the health risks and impact of radiation exposure to crewmembers onboard aircraft operating at high altitudes; and (3) mitigation measures to prevent and reduce the health and safety impacts of radiation exposure to crewmembers. (c) REPORT TO CONGRESS.—Not later than 16 months after the initiation of the study required under subsection (a), the Secretary shall submit to the appropriate committees of Congress the study conducted by the National Research Council pursuant to this section.			
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