

**DEPARTMENT OF ENERGY****10 CFR Part 835****Technical Standard DOE-STD-1095-2011, Department of Energy Laboratory Accreditation for External Dosimetry**

**AGENCY:** Office of Health, Safety and Security, Department of Energy.

**ACTION:** Notification of updated Technical Standard.

**SUMMARY:** The Department of Energy (DOE or the Department) is issuing Technical Standard DOE-STD-1095-2011, *Department of Energy Laboratory Accreditation for External Dosimetry*, January 2011. This standard provides updated technical criteria for performance testing for, and provides a requirement for onsite quality assurance assessments of, whole body and extremity dosimetry programs in use at DOE sites. The testing and assessment results are used, in part, to determine whether to accredit dosimetry programs in accordance with the DOE Laboratory Accreditation Program (DOELAP). The effective date for the new Technical Standard is April 1, 2011.

**FOR FURTHER INFORMATION CONTACT:**

Steven G. Zobel, CHP, U.S. Department of Energy, Office of Health, Safety and Security, Office of Corporate Safety Analysis, 1000 Independence Ave., SW., Washington, DC 20585, 301-903-2615, or [steve.zobel@hq.doe.gov](mailto:steve.zobel@hq.doe.gov).

An electronic copy of this **Federal Register** notice, as well as other relevant DOE documents concerning this subject, is available on a Web page at: <http://www.hss.energy.gov/CSA/CSP/doelap/index.html>.

**SUPPLEMENTARY INFORMATION:** DOE previously administered its laboratory accreditation program for whole body external dosimetry pursuant to DOE Order 5480.15, *Department of Energy Laboratory Accreditation Program for Personnel Dosimetry*, dated December 14, 1987. At that time, DOELAP used Technical Standards DOE/EH-0027, *Department of Energy Standard for the Performance Testing of Personnel Dosimetry Systems*, December 1986, and DOE/EH-0026, *Handbook for the Department of Energy Laboratory Accreditation Program for Personnel Dosimetry Systems*, December 1986, to evaluate contractor personnel dosimetry programs. DOE/EH-0027 was based on American National Standards Institute (ANSI) N13.11-1983, *American National Standard—Criteria for Testing Personnel Dosimetry Performance*, Pacific Northwest Laboratory PNL-4515, *Criteria for Testing Personnel*

*Dosimetry Performance*, 1984, and comments received during peer review by DOE and DOE contractor personnel. Both DOELAP Technical Standards remained in effect through 2010.

On December 14, 1993, DOE promulgated 10 CFR part 835, *Occupational Radiation Protection*, (58 FR 65458), which included a requirement for DOELAP accreditation for external dosimetry programs. This regulatory requirement led to the cancellation of DOE Order 5480.15. Technical Standard DOE-STD-1095-95, *Department of Energy Laboratory Accreditation Program for Personnel Dosimetry Systems*, was published in December 1995 to establish the criteria for DOELAP accreditation pursuant to 10 CFR 835.402(b). The recent updating of ANSI standards for performance testing whole body dosimeters (ANSI N13.11-2009, *American National Standard for Dosimetry—Personnel Dosimetry Performance—Criteria for Testing*) and extremity dosimeters (ANSI N13.32-2008, *American National Standard—Performance Testing of Extremity Dosimeters*) led DOE to revise its DOELAP dosimetry Technical Standards. In planning the revision, it was decided to make DOE-STD-1095 the primary Technical Standard for accrediting external dosimetry programs by cancelling DOE/EH-0026 and -0027 and incorporating both of the recently updated ANSI standards by reference into the new DOE Technical Standard. Other changes include changing “Personnel Dosimetry Systems” to “External Dosimetry” in the title of the new Technical Standard, providing for limited retesting, and adding an incentive for obtaining an exemption from a future onsite assessment. The change to the Technical Standard’s title was made to better identify the Standard’s purpose and does not change the requirement for dosimetry program accreditation provided in 10 CFR 835.402(b). The guidance information in DOE/EH-0026 and -0027 will be updated and published in a supplemental, nonregulatory document.

This Technical Standard is effective on April 1, 2011.

Issued in Washington, DC.

**Glenn S. Podonsky,**

*Chief Health, Safety and Security Officer, Office of Health, Safety and Security.*

[FR Doc. 2011-16575 Filed 6-30-11; 8:45 am]

**BILLING CODE 6450-01-P**

**DEPARTMENT OF TRANSPORTATION****Federal Aviation Administration****14 CFR Part 25**

[Docket No. NM455; Special Conditions No. 25-438-SC]

**Special Conditions: Boeing, Model 747-8 Series Airplanes; Door 1 Extendable Length Escape Slide**

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Final special conditions.

**SUMMARY:** These special conditions are issued for Boeing Model 747-8 airplanes. These airplanes will have a novel or unusual design feature associated with an extendable length escape slide. The applicable airworthiness regulations do not contain adequate or appropriate safety standards for this design feature. These special conditions contain the additional safety standards that the Administrator considers necessary to establish a level of safety equivalent to that established by the existing airworthiness standards. Additional special conditions will be issued for other novel or unusual design features of Boeing 747-8 airplanes.

**DATES:** *Effective Date:* August 1, 2011.

**FOR FURTHER INFORMATION CONTACT:**

Jayson Claar, FAA, Airframe and Cabin Safety Branch, ANM-115, Transport Airplane Directorate, Aircraft Certification Service, 1601 Lind Avenue, SW, Renton, Washington 98057-3356; telephone (425) 227-2194; facsimile (425) 227-1232.

**SUPPLEMENTARY INFORMATION:****Background**

On November 4, 2005, The Boeing Company, PO Box 3707, Seattle, WA, 98124, applied for an amendment to Type Certificate Number A20WE to include the new Model 747-8 series passenger airplane. Boeing later applied for, and was granted, an extension of time for the type certificate, which changed the effective application date to December 31, 2006. The Model 747-8 is a derivative of the 747-400. The Model 747-8 is a four-engine jet transport airplane that will have a maximum takeoff weight of 975,000 pounds, new General Electric GENx -2B67 engines, and the capacity to carry 605 passengers.

**Type Certification Basis**

Under the provisions of Title 14, Code of Federal Regulations (14 CFR) 21.101, Boeing must show that the Model 747-8 (hereafter referred as 747-8) meets the applicable provisions of part 25,

Amendments 25–1 through 25–120, plus Amendment 25–127 for § 25.795(a), except for earlier amendments as agreed upon by the FAA. These regulations will be incorporated into Type Certificate No. A20WE after type certification approval of the 747–8.

In addition, the certification basis includes other regulations, special conditions, and exemptions that are not relevant to these special conditions. Type Certificate No. A20WE will be updated to include a complete description of the certification basis for these airplanes.

If the Administrator finds that the applicable airworthiness regulations (*i.e.*, 14 CFR part 25) do not contain adequate or appropriate safety standards for the 747–8 because of a novel or unusual design feature, special conditions are prescribed under the provisions of § 21.16.

Special conditions are initially applicable to the model for which they are issued. Should the type certificate for that model be amended later to include any other model or series that incorporates the same or similar novel or unusual design feature, or should any other model or series already included on the same type certificate be modified to incorporate the same or similar novel or unusual design feature, the special conditions would also apply to the other model or series under § 21.101.

In addition to the applicable airworthiness regulations and special conditions, the 747–8 must comply with the fuel vent and exhaust emission requirements of 14 CFR part 34 and the noise certification requirements of 14 CFR part 36.

Special conditions, as defined in § 11.19, are issued under § 11.38, and become part of the type certification basis under § 21.101.

#### Novel or Unusual Design Features

The Boeing Model 747–8 will incorporate the following novel or unusual design features: The 747–8 design offers seating capacity on two separate decks, the main deck with a maximum passenger capacity of 495 and the upper deck with a maximum passenger capacity of 110. Section 25.810(a)(1)(iii) requires that after full deployment the emergency escape system assist means must be long enough so that the lower end is self-supporting on the ground and provides safe evacuation of occupants to the ground after collapse of one or more legs of the landing gear. Typically, airplanes have fixed-length slides that meet the above requirements. However, it was not possible to use fixed-length slides for the 747–8 Door 1 because of the

difference between normal sill height and the high-sill height associated with collapse of some of the landing gear in an emergency. Some combinations of landing gear collapse could cause the airplane to tip back on its tail. The 747–8 Door 1 escape slide is an extendable length design to meet the gear collapse and tail tip conditions.

#### Discussion

The regulations governing the certification of the 747–8 do not adequately address the certification requirements for an extendable length escape slide. The only reference to extendable length escape slides in Technical Standard Order (TSO) C69c, Emergency Evacuation Slides, Ramps, Ramp/Slides, and Slide/Rafts, is in the inflation time requirement section. The requirements of § 25.801(a)(1)(iii) for other airplanes have been addressed by a single length escape slide. However, for the 747–8 Door 1, it was not possible to have a single length escape slide because of the extreme difference in sill heights between normal sill height and high-sill height associated with collapse of some of the landing gear, and the additional case of the airplane tipping back on its tail. For Door 1, the normal sill height is approximately 187 inches, and the high-sill height is approximately 346 inches.

The design of the extendable length escape system has an approximately 12 foot long extension packed at the toe end of the escape slide. During normal operation, the extension portion remains packed at the toe end. The airplane is equipped with an electronic sensor that evaluates the attitude of the airplane, and determines if the extendable portion is needed. When the extended length is needed, the system sends a signal to an electronic sign on the door to indicate to the flight attendant that the extendable length of the slide needs to be inflated. The extendable length inflation system is activated by pulling on a separate inflation handle located on the right side of the slide girt.

The Airbus A380 airplane has an extendable length slide and the FAA issued Special Conditions Number 25–323–SC to address the installation of the extendable length escape slide in that airplane. These previously issued special conditions provide a starting point for developing special conditions for the 747–8 airplane, which consider and evaluate the unique aspects of this airplane's design.

The extension is intended only for use at high-sill heights. A typical fixed-length slide operating at high-sill height does not satisfy all of the performance

requirements of § 25.810, but its variations in performance are understood and largely predictable. Certain performance criteria are valid regardless of sill height, while other aspects of performance can be expected to decline at higher sill heights. With an extendable slide, there is a step change in configuration and potentially a change in performance. Therefore, special conditions are needed to ensure acceptable performance in the extended mode.

Section 25.810 specifies the basic performance requirements for escape slides, including wind testing, repeatability testing, and testing at adverse sill heights. Section 25.1309(a) requires systems to perform under foreseeable operating conditions, such as extreme temperatures, and demonstrate that the system design is appropriate for its intended function. Standards for the equipment itself are in TSO–C69c and contribute to a satisfactory installation.

Typically, wind tests are only conducted on fixed-length slides at normal sill height. Since the regulations require that the escape slides have the capability of being deployed in 25-knot winds directed from the most critical angle, escape slides usually exceed 25-knot performance at other than the critical angle. The same is expected to be true of the slide in its extended mode, but some reduction in the required wind velocity is appropriate since the slide will be in an abnormal condition. Available data indicate that the capability of being deployed in 22-knot winds is appropriate to cover the slide in its extended mode at normal sill height. This corresponds to roughly 75% of the wind energy required for the slide in its normal attitude and will ensure that the slide can function in its extended mode at least as well as a fixed-length slide under similar abnormal conditions.

These special conditions also specify a rate for passenger evacuation that is consistent with that of fixed-length escape slides.

#### Discussion of Comments

Notice of proposed special conditions No. 25–11–12–SC for Boeing Model 747–8 airplanes was published in the **Federal Register** on May 10, 2011 (76 FR 26957). No comments were received and the special conditions are adopted as proposed.

#### Applicability

As discussed above, these special conditions are applicable to Boeing Model 747–8 airplanes. Should Boeing apply at a later date for a change to the

type certificate to include another model incorporating the same novel or unusual design features, these special conditions would apply to that model as well.

### Conclusion

This action affects only certain novel or unusual design features of Boeing Model 747–8 airplanes. It is not a rule of general applicability.

### List of Subjects in 14 CFR Part 25

Aircraft, Aviation safety, Reporting and recordkeeping requirements.

The authority citation for these special conditions is as follows:

**Authority:** 49 U.S.C. 106(g), 40113, 44701, 44702, 44704.

### The Special Conditions

Accordingly, pursuant to the authority delegated to me by the Administrator, the following special conditions are issued as part of the type certification basis for Boeing Model 747–8 airplanes.

1. The extendable escape slide must receive Technical Standard Order (TSO) C69c or latest TSO authorization published at the time of TSO application for the Door 1 Slide.

2. In addition to the requirements of § 25.810(a)(1)(iii) for usability in conditions of landing gear collapse, the deployed escape slide in the extended mode must demonstrate an evacuation rate of 45 persons per minute per lane at the sill height corresponding to activation of the extension.

3. In lieu of the requirements of § 25.810(a)(1)(iv), the escape slide with the extendable section activated must be capable of being deployed in 22-knot winds directed from the critical angle, with the airplane on all its landing gear, with the assistance of one person on the ground. Two deployment scenarios must be addressed as follows:

(a) Extendable section is activated during the inflation time of the basic slide and,

(b) Extendable section is activated after the basic slide is completely inflated.

4. Pitch sensor tolerances and accuracy must be taken into account when demonstrating compliance with § 25.1309(a) for the escape slide in both extended and unextended modes.

5.(a) There must be a “slide extension” warning such that the cabin crew is immediately made aware of the need to deploy the extendable section of the slide. The ability to provide such a warning must be available for ten minutes after the airplane is immobilized on the ground.

(b) There must be a positive means for the cabin crew to determine that the extendable portion of the slide has been fully erected.

6. Whenever passengers are carried on the main deck of the airplane, there must be a cabin crewmember stationed on each side of the airplane located near each Door 1 Exit. This special condition must be included in the airplane flight manual as a limitation.

Issued in Renton, Washington, on June 22, 2011.

**KC Yanamura,**

*Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.*

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## SOCIAL SECURITY ADMINISTRATION

### 20 CFR Part 418

[Docket No. SSA–2009–0078]

RIN 0960–AH06

### Amendments to Regulations Regarding Major Life-Changing Events Affecting Income-Related Monthly Adjustment Amounts to Medicare Part B Premiums

**AGENCY:** Social Security Administration (SSA).

**ACTION:** Final rule.

**SUMMARY:** This final rule adopts, without change, the interim final rule with request for comments we published in the **Federal Register** on July 15, 2010 at 75 FR 41084. The interim final rule concerned what we consider major life-changing events for the Medicare Part B income-related monthly adjustment amount (IRMAA) and what evidence we require to support a claim of a major life-changing event. This final rule allows us to respond appropriately to circumstances brought about by the current economic climate and other unforeseen events, as described below.

**DATES:** The interim final rule with request for comments published on July 15, 2010 is confirmed as final effective July 1, 2011.

**FOR FURTHER INFORMATION CONTACT:** Craig Streett, Office of Income Security Programs, Social Security Administration, 2–R–24 Operations Building, 6401 Security Boulevard, Baltimore, MD 21235–6401, (410) 965–9793. For information on eligibility or filing for benefits, call our national toll-free number, 1–800–772–1213 or TTY 1–800–325–0778, or visit our Internet site, Social Security Online, at <http://www.socialsecurity.gov>.

## SUPPLEMENTARY INFORMATION:

### Background

The interim final rule concerned what we consider major life-changing events for the Medicare Part B IRMAA and what evidence we require to support a claim of a major life-changing event.

Medicare Part B is a voluntary medical insurance program that provides coverage for services such as physicians care, diagnostic services, and medical supplies. A beneficiary enrolled in Medicare Part B pays monthly premiums, deductibles, and co-insurance associated with covered services. The Centers for Medicare & Medicaid Services (CMS) promulgates rules and regulations about the Medicare program, including the standard monthly premium. We determine and deduct the amount of certain Medicare Part B premiums from beneficiaries' Social Security benefits and make rules and regulations necessary to carry out these functions.

The Federal Government subsidizes the cost of Medicare Part B medical coverage. However, beneficiaries with modified adjusted gross incomes (MAGI) above a specified threshold must pay a higher percentage of their cost than those with MAGIs below the threshold.<sup>1</sup> We refer to this subsidy reduction as an IRMAA. CMS determines and publishes the annual MAGI threshold and ranges. The Internal Revenue Service (IRS) provides us with MAGI information.

We use MAGI and Federal income tax filing status for the tax year two years before the effective year to determine whether a beneficiary must pay an IRMAA, and if so, how much.<sup>2</sup> If information is not yet available for the tax year two years before the effective year, we will use information from the tax year three years before the effective year until the later information becomes available. A beneficiary who experiences a major life-changing event may request that we use a more recent tax year to make a new IRMAA determination.

If a beneficiary provides evidence that the qualifying major life-changing event significantly reduced his or her MAGI, we will determine the IRMAA based on data from a more recent tax year.<sup>3</sup> We define a significant reduction in MAGI

<sup>1</sup> MAGI is defined in 42 U.S.C. 1395r(i)(4). The threshold amount is defined in 42 U.S.C. 1395r(i)(2).

<sup>2</sup> MAGI ranges are established in 42 U.S.C. 1395r(i)(3), (5). The MAGI dollar amounts listed in 1395r(i)(3) may increase annually based on changes in the Consumer Price Index under 42 U.S.C. 1395r(i)(5).

<sup>3</sup> 20 CFR 418.1201.