

TABLE 2.—CROSS-REFERENCE OF NEW AND ARAC PROPOSED APPENDIX L PARAGRAPH NUMBERS—Continued

| New         |                    | Original ARAC Proposal |                   |
|-------------|--------------------|------------------------|-------------------|
| Section III | (b)(6) .....       | L25.4 .....            | (b)(i)(2)         |
|             | (b)(7) .....       | L25.4 .....            | (b)(i)(3)         |
|             | (b)(7)(i) .....    | L25.4 .....            | (b)(i)(3)(a)      |
|             | (b)(7)(i)(1) ..... | L25.4 .....            | (b)(i)(3)(a)(i)   |
|             | (b)(7)(i)(2) ..... | L25.4 .....            | (b)(i)(3)(a)(ii)  |
|             | (b)(7)(i)(3) ..... | L25.4 .....            | (b)(i)(3)(a)(iii) |
|             | (b)(7)(i)(4) ..... | L25.4 .....            | (b)(i)(3)(a)(iv)  |
|             | (b)(7)(i)(5) ..... | L25.4 .....            | (b)(i)(3)(a)(v)   |
|             | (b)(7)(i)(6) ..... | L25.4 .....            | (b)(i)(3)(a)(vi)  |
|             | (b)(7)(ii) .....   | L25.4 .....            | (b)(i)(3)(b)      |
|             | (b)(7)(iii) .....  | L25.4 .....            | (b)(i)(3)(c)      |
|             | (b)(7)(iv) .....   | L25.4 .....            | (b)(i)(3)(d)      |
|             | (b)(7)(v) .....    | L25.4 .....            | (b)(i)(3)(e)      |
|             | (b)(8) .....       | L25.4 .....            | (b)(ii)           |
|             | (b)(8)(i) .....    | L25.4 .....            | (b)(ii)(a)        |
|             | (b)(8)(ii) .....   | L25.4 .....            | (b)(ii)(b)        |
|             | (b)(8)(iii) .....  | L25.4 .....            | (b)(ii)(c)        |
|             | (b)(8)(iv) .....   | L25.4 .....            | (b)(ii)(d)        |
|             | (b)(9) .....       | L25.4 .....            | (b)(i)            |
|             | (c) .....          | L25.4 .....            | (c)               |
|             | (c)(1) .....       | L25.4 .....            | (c)(i)            |
|             | (c)(2) .....       | L25.4 .....            | (c)(ii)           |
|             | .....              | L25.4 .....            |                   |
|             | (a) .....          | L25.4 .....            | (a)               |
|             | (a)(1) .....       | L25.4 .....            | (a)(i), (a)(ii)   |
|             | (a)(2) .....       | L25.4 .....            | (a)(iii), (a)(v)  |
|             | (a)(3) .....       | L25.4 .....            | (a)(vi)           |
|             | (b)(1) .....       | L25.4 .....            | (b)(iii)          |
|             | (b)(2) .....       | New.                   |                   |
|             | (b)(3) .....       | L25.4 .....            | (b)(i)(2)         |
|             | (b)(4) .....       | L25.4 .....            | (b)(i)(3)         |
|             | (b)(4)(i) .....    | L25.4 .....            | (b)(i)(3)(a)      |
|             | (b)(4)(i)(1) ..... | L25.4 .....            | (b)(i)(3)(a)(i)   |
|             | (b)(4)(i)(2) ..... | L25.4 .....            | (b)(i)(3)(a)(ii)  |
|             | (b)(4)(i)(3) ..... | L25.4 .....            | (b)(i)(3)(a)(iii) |
|             | (b)(4)(i)(4) ..... | L25.4 .....            | (b)(i)(3)(a)(iv)  |
|             | (b)(4)(i)(5) ..... | L25.4 .....            | (b)(i)(3)(a)(v)   |
|             | (b)(4)(i)(6) ..... | L25.4 .....            | (b)(i)(3)(a)(vi)  |
|             | (b)(4)(ii) .....   | L25.4 .....            | (b)(i)(3)(b)      |
|             | (b)(4)(iii) .....  | L25.4 .....            | (b)(i)(3)(c)      |
|             | (b)(4)(iv) .....   | L25.4 .....            | (b)(i)(3)(d)      |
|             | (b)(4)(v) .....    | L25.4 .....            | (b)(i)(3)(e)      |
|             | (b)(5) .....       | L25.4 .....            | (b)(ii)           |
|             | (b)(5)(i) .....    | L25.4 .....            | (b)(ii)(a)        |
|             | (b)(5)(ii) .....   | L25.4 .....            | (b)(ii)(b)        |
|             | (b)(5)(iii) .....  | L25.4 .....            | (b)(ii)(c)        |
|             | (b)(5)(iv) .....   | L25.4 .....            | (b)(ii)(d)        |
|             | (b)(6) .....       | L25.4 .....            | (b)(i)            |
|             | (c) .....          | L25.4 .....            | (c)               |
|             | (c)(1) .....       | L25.4 .....            | (c)(i)            |
|             | (c)(2) .....       | L25.4 .....            | (c)(ii)           |

We discuss each paragraph of the proposed new Appendix L below.

#### Section I—Design Requirements

##### I(a) Airplane Systems

##### I(a)(1) Operation in Icing Conditions

##### I(a)(1)(i)

ETOPS airplanes would have to comply with the requirements of section 25.1419 for operation in icing conditions.

##### Explanation

Section 25.1419 sets out the requirements for certifying a transport

category airplane for flight into icing conditions. This requirement is optional in that an applicant may choose to not apply for approval in icing conditions. However, from a practical standpoint no one would request certification of an airplane that did not meet this requirement. This proposed new regulation makes this approval mandatory for ETOPS approval.

##### I(a)(1)(ii)

The airframe and propulsion system ice protection would have to be capable of continued safe flight and landing at engine-inoperative and decompression

altitudes in icing conditions. Following the loss of an engine at cruising altitude, an airplane will drift down to a lower (engine-inoperative) altitude. A decompression altitude is an altitude to which an airplane must descend following the loss of cabin pressure. Decompression altitudes are 10,000 feet MSL and below.

##### Explanation

This paragraph would codify AC 120–42A, paragraph 8(b)(11) for airframe ice protection. The applicant would have to demonstrate that the airplane is capable of continued safe flight and landing at