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STATUTORY INSTRUMENTS

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**2019 No. 1115**

**The Air Navigation (Cosmic Radiation: Protection of Air Crew  
and Space Crew and Consequential Amendments) Order 2019**

**PART 1**

Introductory

**Interpretation**

2.—(1) In this Order—

“aerodrome” has the meaning given in paragraph 1 of Schedule 1 to the Air Navigation Order 2016 <sup>M1</sup>;

“cabin crew” means those persons carried in an aircraft for the purpose of performing duties in the interests of safety of the passengers but who do not act as members of the flight crew;

“classified crew member” has the meaning given in article 13(1);

“crew”—

(a) in relation to an aircraft means persons carried in the aircraft who are—

- (i) members of the flight crew;
- (ii) members of the cabin crew; or
- (iii) task specialists; and

(b) <sup>F1</sup> ...

“crew member” is to be read accordingly;

“doctor” means a registered medical practitioner who—

(a) is an appointed doctor for the purposes of the Ionising Radiation Regulations 2017 <sup>M2</sup> (see regulation 2 of those Regulations); and

(b) has completed a course of training in providing medical surveillance for air crew <sup>F2</sup> ... who have been exposed to ionising radiation;

“effective dose” has the meaning given in Article 4(25) of the Directive;

“the Directive” means Council Directive 2013/59/Euratom <sup>M3</sup>, laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation;

“flight crew” means persons working on an aircraft who undertake to act as pilot, flight navigator, flight engineer or flight radiotelephony operator of the aircraft;

“health review” has the meaning given in article 14(1)(b);

“mSv” means one thousandth of a sievert;

“operator” has the meaning given in article 4;

“overexposure” has the meaning given in article 11(7);

“relevant crew member” means a crew member who is employed or otherwise engaged to perform duties on an aircraft <sup>F3</sup>... that would render the crew member liable to receive an effective dose of cosmic radiation that exceeds 1 mSv in a calendar year;

F4 ...

F4 ...

F4 ...

F4 ...

“task specialist” means a person who performs specialised tasks on board the aircraft <sup>F5</sup>....

(2) References in this Order to a crew member in relation to an operator are to a crew member of an aircraft <sup>F6</sup>... operated by the operator.

(3) References in this Order to cosmic radiation do not include cosmic radiation prevailing at ground level.

#### Textual Amendments

- F1** Words in [art. 2](#) omitted (29.7.2021) by virtue of [The Space Industry Regulations 2021 \(S.I. 2021/792\)](#), [reg. 1\(1\)](#), [Sch. 7 para. 2\(a\)](#)
- F2** Words in [art. 2](#) omitted (29.7.2021) by virtue of [The Space Industry Regulations 2021 \(S.I. 2021/792\)](#), [reg. 1\(1\)](#), [Sch. 7 para. 2\(b\)](#)
- F3** Words in [art. 2](#) omitted (29.7.2021) by virtue of [The Space Industry Regulations 2021 \(S.I. 2021/792\)](#), [reg. 1\(1\)](#), [Sch. 7 para. 2\(c\)](#)
- F4** Words in [art. 2](#) omitted (29.7.2021) by virtue of [The Space Industry Regulations 2021 \(S.I. 2021/792\)](#), [reg. 1\(1\)](#), [Sch. 7 para. 2\(d\)](#)
- F5** Words in [art. 2](#) omitted (29.7.2021) by virtue of [The Space Industry Regulations 2021 \(S.I. 2021/792\)](#), [reg. 1\(1\)](#), [Sch. 7 para. 2\(e\)](#)
- F6** Words in [art. 2\(2\)](#) omitted (29.7.2021) by virtue of [The Space Industry Regulations 2021 \(S.I. 2021/792\)](#), [reg. 1\(1\)](#), [Sch. 7 para. 2\(f\)](#)

#### Commencement Information

- I1** [Art. 2](#) in force at 7.8.2019, see [art. 1](#)

#### Marginal Citations

- M1** [S.I. 2016/765](#).
- M2** [S.I. 2017/1075](#), to which there are amendments not relevant to this Order.
- M3** OJ No L 13/1, 17.1.2014, p. 1.

**Changes to legislation:**

There are currently no known outstanding effects for the The Air Navigation (Cosmic Radiation: Protection of Air Crew and Space Crew and Consequential Amendments) Order 2019, Section 2.