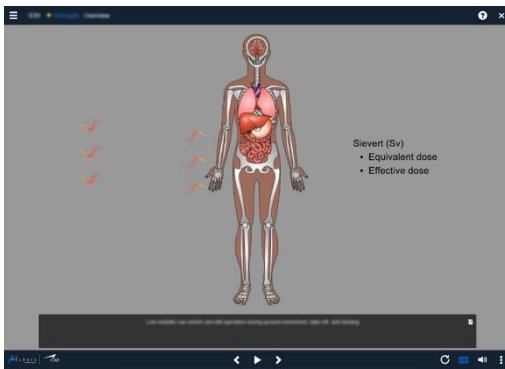


	Limit (mSv)
Calendar year	20
Career	400
Pregnancy	1

- Crew control
- Respective management unit

! If a crewmember reaches a dose of 6 mSv during the course of a year, a radiation examination may be required. Confirm with the operator's State Regulator for rules and thresholds.



SUMMARY

This course covers the causes and effects of cosmic radiation on flight crews operating in the high-altitude environment

TARGET POPULATION

The Pelesys Cosmic Radiation course is designed for Professional Pilots requiring initial or recurrent training.

REGULATORY COMPLIANCE

- ICAO / EASA / FAA
- Maintain compliance with IOSA standards

Versions Available:
Standard

Course Length:
15 min

LESSON 01: Cosmic Radiation Concepts

In this lesson we will discuss the effects of cosmic radiation on flight crewmembers including:

- Exposure factors
- Protective measures
- Risk assessment.

LEARNING TIME AND RUN TIME

This course has a learning time of: (run time plus additional time per page to account for understanding learning points)

- 15 min

This course has a run time of: (the base time for each page to be completed)

- 6 min

REFERENCE MATERIAL

The Cosmic Radiation course cover information from:

EASA:

- EC Radiation Protection #156
- State Regulations and Directives

FAA:

- AC 120-61B – Inflight Radiation Exposure

Other:

- Centers for Disease Control and Prevention (CDC) – National Institute for Occupational Safety and Health (NIOSH) – Cosmic Ionizing Radiation – What you need to know – 2017
- NASA – What is Space Radiation?

This course material may be supplemented when used in conjunction with the Pelesys High Altitude Training course.

The operator remains responsible for obtaining approval from the regulatory authority.

[Click to request more information](#)