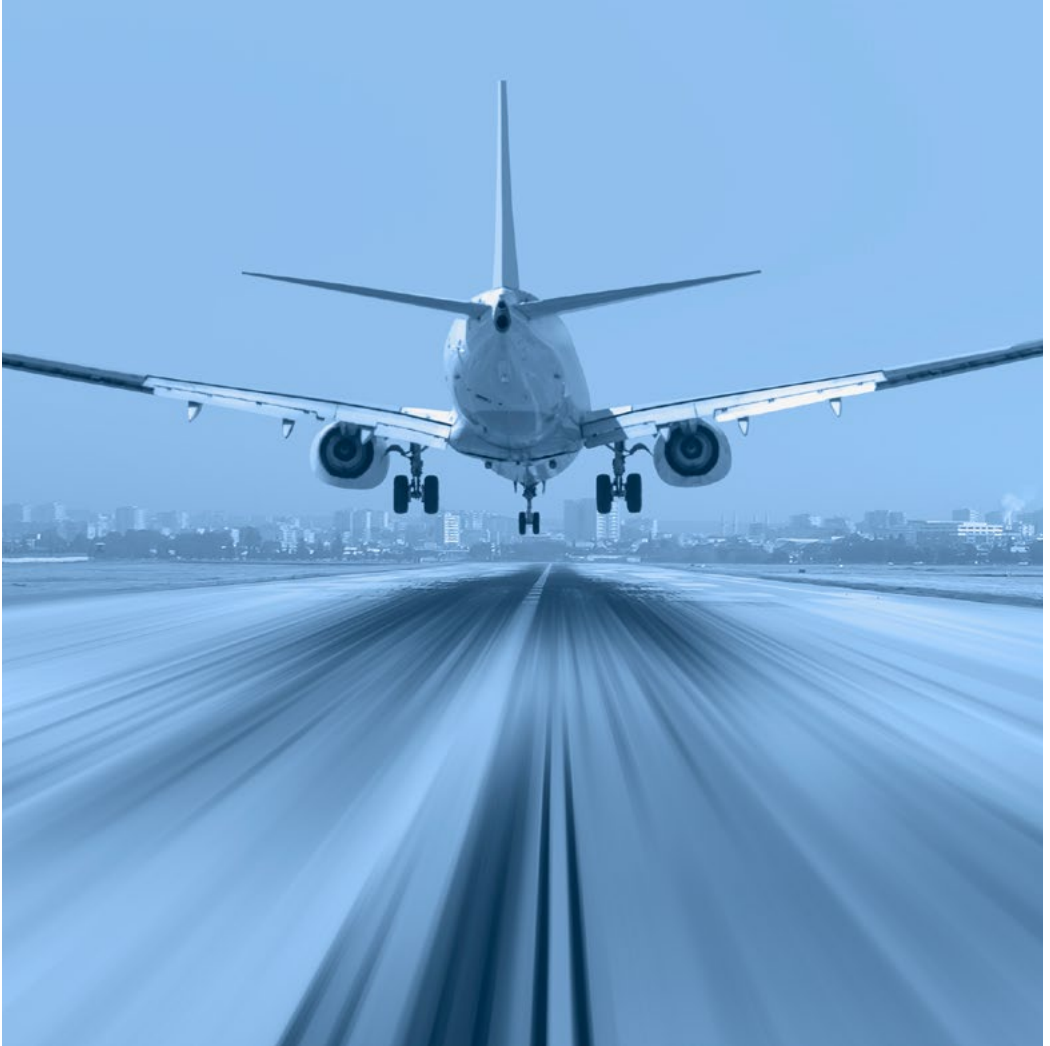


SEIBERSDORF
LABORATORIES



RADIATION PROTECTION
FOR FLYING PERSONNEL

RADIATION PROTECTION FOR FLYING PERSONNEL

WHY DO YOU NEED AIRCREW DOSIMETRY?

During an aircraft flight, people are exposed to significantly higher levels of cosmic radiation than on the ground. Depending on the flight altitude and route, pilots and flight attendants can reach an annual radiation dose as high as people working with radioactive sources in medicine or industry.

Aircraft operators must therefore comply with special legal requirements to protect their flying personnel.

HOW CAN RADIATION PROTECTION MONITORING BE CARRIED OUT?

In Europe, radiation dose values for flying personnel are usually determined using calculation programs. The calculation programs must either be approved by a relevant authority or integrated into an accredited test procedure. Seibersdorf Labor GmbH has the expertise for both options.

Depending on requirements, we offer our customers complete solutions with calculation programs: AVIDOS 2.0 and EPCARD 5.4.3.

AVIDOS AND EPCARD IN COMPARISON

AVIDOS - THE ONLINE SOLUTION

- You send us the required data and we take care of the entire process for you, from calculating the dose to reporting, if necessary also to a competent authority.
- You receive monthly reports on current radiation doses of all flying personnel, and once a year information for each crew member on their annual dose.
- Upon termination of employment, we issue a certificate of the total dose received by the employee during the period of employment.
- Your data is safe with us. We are certified according to ISO/IEC 27001 information security.

EPCARD - THE OFFLINE SOLUTION

- We help you to install the software on your company's own computers (PC or laptop with Windows or Linux operating system).
- We support you in setting up interfaces between the software and your programs for route and personnel planning.
- You have control over your data and the entire dose calculation process. The software is operated by your employees.
- Your personnel monitors the doses of the crew and prepares relevant information for each crew member, and, if necessary transmits the dose values to the competent authority.
- All data remains on your premises. The data is secured in accordance with your security guidelines.

WHO CAN I CONTACT?

Our radiation protection experts will be happy to answer any questions you may have, please contact flugdosimetrie@seibersdorf-laboratories.at or give us a call: +43 50550 2580

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