



The NLR Air Transport Safety Institute is a research and consultancy organisation that develops and applies world-class knowledge and tools to help sustain and improve air transport safety.

The mission of the institute is to support stakeholders in air transport to understand and resolve the safety implications of the growing demand for efficient and sustainable air transport.

Customers of the safety institute include air navigation service providers, aviation authorities, governments, airports and airlines around the world.

Our main business areas are:

- Operational & flight technical assessment
- Safety management
- Safety regulation & oversight
- Safety cases
- Air safety data analysis
- Security



## ATM safety assessment course

Many people working in the field of Air Traffic Management deal with safety assessments or safety cases. However, only a few actually execute safety assessments. As a technical project leader you may need to interpret the safety case results. As a manager you may need to decide on how many resources to allocate, and to allocate the execution of the process to an organisation or people. As a CAA employee you may have the duty to judge whether a new operation is sufficiently safe according to regulations. A concept designer might require more understanding of what the safest concept or procedure would be.

NLR-ATSI offers a course in ATM safety assessments to bring you up-to-date with the safety assessment process.



## Target audience

The course is suitable for everyone involved in safety assessments or who deals with the results of those assessments. If you would like to know more about ATM safety assessments, this course is an excellent starting point. Since the course has an introductory character, it is remarked that safety analysts, who frequently execute safety assessments, are not among the target audience.

At the moment, dedicated courses are available for self-organised groups. Such a group can be a selection of managers of several departments within an ANSP, a team of technical experts working on one project or the main players from regulator, inspectorate and safety management unit in a certain state.

## Content of the course

The main theme is ATM safety assessment. We will address applied approaches and common practices such as Eurocontrol's SAM, the context and some historic developments, and also relevant lessons learnt from practice. Furthermore current issues, difficulties and on-going debates will be discussed during the course.

Each course is tailored upon the wishes of the group. It contains a fixed core, but there are several different modules in which specific subjects are treated with more or less details. The general outline of the course consists of:

- Key concepts in (ATM) safety
- Generic steps in an ATM safety assessment
- ATM safety rules and regulations
- Pro-active versus reactive assessments
- Approaches and methodologies
- Hazard identification techniques
- Modelling of hazards
- Severity assessment techniques
- Frequency assessment techniques

## Way of training

We dislike bullet wise PowerPoint presentations with too many slides. Therefore we intend to give a rather dynamic and interactive training, assisted by exercises, role-playing, video, discussions, and, indeed, PowerPoint presentations. We ask you to participate actively, to come up with your experience, and to disagree with trainers and other trainees.

## Practical information

If you want to participate individually in the two day course, you can contact us to get information on dates and prices. For self-organised groups we organise a dedicated course. Price, duration and perspective of the course depend on your needs and wishes. As a guideline, the typical numbers of participants is 5 to 15 and a typical duration is 2 to 3 days. Please contact Patricia Sijaranamual at (+31) 20 511 35 00 or [info@nlr-atsi.nl](mailto:info@nlr-atsi.nl) to find the course that meets your wishes..



NLR Air Transport Safety Institute



**Point of Contact**

For more information on NLR-ATSI or the ATM safety assessment course, please contact Patricia Sijaranamual or visit our website at <http://www.nlr-atsi.nl>

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