



INTERNATIONAL ASSOCIATION  
FOR THE ADVANCEMENT OF  
SPACE SAFETY

## *IAASS Professional Training Course*

# *ISS PAYLOADS DESIGN AND OPERATIONS SAFETY*

*14-16 February 2018*

*Kayser Italia, Livorno (Tuscany), Italy*

*Course Description & Registration Form*



# ISS PAYLOADS DESIGN AND OPERATIONS SAFETY

Code 004



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## The Challenge

The course is designed to provide the participant with an understanding of safety requirements, procedures and processes that are used for design and operations of payloads for the International Space Station.

## Scope of the course

This course is designed as a guide to the ISS payload/cargo safety review process. The student will gain an understanding of the applicable safety documents and key safety technical requirements, of payload/cargo safety as it relates to the overall development and integration process, how the payload/cargo safety review process works, and the roles and responsibilities of the various players. In addition the student will be instructed in the hands-on fundamentals of hazard analysis, hazard documentation, and presentation to the Payload Safety Review Panel.

Through this IAASS course the participant will acquire a detailed understanding of concepts and requirements in SSP 51700, SSP 30599, and supporting guidelines, and will familiarize with safety analysis techniques that can be used for their correct and consistent implementation.

## Target Audience

- Safety engineers and managers, system engineers, QA personnel, project managers responsible for development, integration and operation of payloads/cargo for ISS;
- Other technical discipline personnel who contribute to the design and operations of ISS payload/cargo and need to understand the process by which hazards are identified and controlled.

## What You Will Learn

- Why safety management is important
- The safety culture and philosophy
- The safety documentation
- Where to find requirements
- Basic hazard analysis techniques.
- How to identify hazards
- Common mistakes

- The Phased Review Process
- How to prepare for the Safety Panel Meeting

## How You Will Learn It

- Verbal instructions using Power Point Presentations
- Videos & Photographs
- Case studies
- Group exercises & problem solving
- Preparing/completing forms
- Mock presentation to safety panel

## Why You Need to Know this

- To design your payload/cargo for safety
- To understand the significance and procedures of the safety process
- To identify resources for implementing payload safety
- To know what the ISS Payload Safety Review Panel (PSRP) expects from you
- To get safety certification to fly

## What You Will Take With You

- The course presentation charts.
- A selected set of documents
- A USB flash drive with all the above.
- A Certificate of Course Completion.

## Course Duration

3 days

## Instructors

**T. Sgobba** (ESA Ret. – Flight Safety Chair)

**P. Kirkpatrick** (NASA Ret. – Ground Safety Chair)



## IAASS PROFESSIONAL TRAINING COURSE

### REGISTRATION FORM

Course: **ISS Payloads Design & Operations Safety (C004)**

Date: 14-16 February 2018

Location: KAYSER Italia, Via di Popogna, 501, 57124 Livorno • Italy

Please fill in all details on this registration form. One registration form per person.

#### **DETAILS:**

First name: \_\_\_\_\_

Last name: \_\_\_\_\_

Organization name: \_\_\_\_\_  
\_\_\_\_\_

Organization billing address:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone number: \_\_\_\_\_

Email: \_\_\_\_\_

Signature/date: \_\_\_\_\_

#### **HOW TO REGISTER**

Please fill in and sign this registration form, and email to: [iaass.academy@gmail.com](mailto:iaass.academy@gmail.com) not later than **1 February 2018**. If you require more information please call: +31643552918 or +31712020023

#### **TERMS & CONDITIONS**

The course enrollment fee is **Euro 1600** for non-IAASS Member; **Euro 1500** for IAASS Members. Course material included.

#### **PAYMENT**

The IAASS will send an invoice to the organization of the enrolling participant. The payment shall be performed not later than two weeks before the start of the course.

#### **CONFIRMATION**

Confirmation of registration will be sent by email.

#### **CANCELLATIONS/TRANSFERS**

If the minimum number of participants (15) will not be reached, the IAASS reserves the right to cancel the course.

#### **REFUNDS**

- Refunds will be made if the course is cancelled.
- Refunds can be issued if more than 15 working days' notice is provided prior to the course.
- Transfers between staff from the same organization are permitted.
- Registered participant which does not attend will incur the full fee.