The ESA Guide for Independent Software Verification and Validation, colloquially know as the ISVV Guide, was released in December 2008 and since then, it was the main driver for ISVV activities in European space industry. In the past 14 years, the software development evolved dramatically and so did the space software industry, calling for a refresh of ISVV methods, concepts and overall approach, which became the goal of the project ISVV for Evolutions in Software Developments and Processes. The project was guided based on an initial set of requirements reflecting the experience gathered in over a decade of application of the ISVV Guide along with observations upon the evolution of software engineering in general. Feedback was collected from a large set of stakeholders representing the industry, agencies and other users, and the change proposals were later discussed and agreed with the same stakeholders. After redaction, the ISVV Guide became the ISVV Handbook, prepared for ECSS adoption as an official Handbook. It was later reviewed by many representatives from industry and ESA. Now, the new ISVV Handbook is ready to be published and used, and it will hopefully bring a more streamlined and flexible way of applying ISVV on software in European space projects.

This presentation will guide the attendees through the whole ISVV Handbook updates process, by highlighting the main novelties and providing a status of the recent public reviews' implementations.