

# CALIFICAREA EDUCĂRII ȘI CERTIFICAREA INGINERILOR DE CONCEPȚIE INTEGRATĂ

## EDUCATION QUALIFICATION AND CERTIFICATION OF INTEGRATED DESIGN ENGINEERS

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**Abstract:** This paper proposes a skill set of Integrated Design Engineers based on the results of collaborative research and collaborations with industrialists. Key “*integrated skills*” include aspects related to: product lifecycle engineering, innovation driven design, sustainable design, responsible design, networked collaboration, intercultural skills, requirements and knowledge engineering. We show how the established platform and certification rules of the ECQA can be used to leverage these assets to a worldwide unique qualification and certification platform for Integrated Design Engineers profession. Also, a comparative study demonstrates the alignment of the Integrated Engineering master program with the proposed life learning and certification program.

**Keywords:** : Integrated design, life learning and certification, skill set.