

**The Registered Product Designer (RProdDes) Standard**

**The Competence and Commitment Standard for RProdDes**

IED Definition of Product Design – Product design is a structured process which produces a creative three-dimensional object solution that encompasses technical and humanistic considerations with a clearly defined user and commercial viability to answer a specific problem.

### RProdDes

For admittance to the grade of Registered Product Designer a candidate should be able to demonstrate the following, supported by an evidence base, typically in the form of an Illustrated Report.

Thus, an RProdDes candidate should be able to demonstrate that they:

1. Use technical knowledge and humanistic understanding in the application of latest advances, including:

A1 Involvement in a significant part of the product design process

A2 Application of historical and latest trends in design thinking and their appropriate application

A3 An ability to work to a client brief

1. Apply a range of creative and scientific design methods to solution of product design problems, including:

B1 Analytical and creative thought processes

B2 Understanding and/or reasonable usage of the functionality and capabilities of a CAD system or visualisation systems

B3 Use of simulation or prototyping to explore and prove innovative solutions for design problems

B4 Contributes to the solution of design problems during the development of a substantially new product

B5 Contributes to the solution of design problems during the modification / improvement of an existing product

B6 An holistic view of the design process encompassing understanding and application of marketing, aesthetics, ergonomics, manufacturing, materials, commercial and technical aspects

B7 Involvement with the development of products encompassing the overall design process from initial brief to manufacture of production prototype

B8 Contributes to evaluations of design solutions against constraints

1. Design and Commercial management, including demonstrating:

C1 Responsibility for elements of product designs

C2 Contributing towards teams that meet changing technical and managerial needs

C3 Managing continuous quality improvement

1. Effective Interpersonal Skills, including:

D1 Appropriate personal and social skills

D2 The presentation and discussion of product design briefs, specifications and concept design proposals

D3 Appropriate communication with others at all levels

1. Commitment to professional standards, obligations to society and the environment, including:

E1 Compliance with relevant codes of conduct

E2 Management and application of safe systems of work

E3 Consideration of sustainable design practices

E4 Continuing professional development necessary to maintain and enhance competence in own area of practice

E5 Exercise responsibilities in an ethical manner