

This guidance note provides advice to candidates, SCEs, and reviewers on how new attribute 5¹ will be assessed at Professional Reviews from 1 January 2022. In particular, it looks at new requirements related to the United Nations' Sustainable Development Goals (UNSDGs) and when assessing a candidate's contribution to 'continuous improvement'.

The attribute

The profession is in a period of rapid change as it adapts to the Climate Emergency and ICE's sustainable development attribute responds to that challenge:

- It builds on Engineering Council's latest guidance on sustainability² and requires all candidates to understand the principles of sustainable development and apply them in their work
- It asks **EngTech** candidates to complete tasks with consideration for their environmental impact
- It brings the United Nations' Sustainable Development Goals³ into scope for **IEng** and **CEng** candidates when they manage engineering activities
- It asks **CEng** candidates to "take a professional and responsible role" rather than to "lead continuous improvement" and asks them to set those improvements, including for reduced resource demand⁴, in the context of a whole project life cycle

United Nations' Sustainable Development Goals (UNSDGs)

In terms of UNSDGs, IEng and CEng candidates should be able to:

- Describe the origin, purpose, and scope of the UNSDGs
- Identify which goals are most closely related to civil engineering and their role
- Explain how their organisation's policies contribute to the UNSDGs
- Have knowledge of ICE's recent initiatives in this area

Improvements that support sustainable development

By emphasising the need to play a 'professional and responsible role', the attribute asks CEng candidates to see the drive for improvements as *their* responsibility wherever they sit in a project. More specifically, it asks for improvements that reduce resource demand as well as supporting sustainable development. The term 'whole project lifecycle' is key here, clarifying that candidates need to show they appreciate the context and wider impacts of their interventions.

Context and potential

Candidates should be able to adapt to the requirements readily but, when assessing what a candidate could reasonably have achieved in relation to the UNSDGs and resource reduction, reviewers will take account of both the **context** in which the candidate was working and their **potential** (i.e. "How would they act now? How will they contribute when they have increased responsibilities?").

For more information:

Candidates and SCEs should contact the Membership Support team at membership@ice.org.uk if they have questions, while reviewers should contact the Professional Reviews team at ProfRev@ice.org.uk.

¹ <https://www.ice.org.uk/my-ice/membership-documents/member-attributes>

² <https://www.engc.org.uk/standards-guidance/guidance/guidance-on-sustainability/>

³ <https://sdgs.un.org/goals>

⁴ Given ICE's current priorities, candidates should be able to discuss contributions to carbon reductions specifically, as well as other initiatives that lead to reduced resource demand.