What is the EDISON Framework?
The EDISON Project is a European Union funded project, with the goal of establishing data scientist as a profession and aligning industry needs with available career paths. The project created a Data Science Framework which is a collection of documents which define the data science profession. These documents are very comprehensive and informative, including curriculum, resources, job roles and descriptions to guide education institutions and aid in data scientist recruitment.

What is the D2D CRC Data Science Competency Framework?
The Data Science Competency Framework (DSCF) was created by D2D CRC in collaboration with industry partners. The goal was to create a generic framework for data science professionals whereby they could measure their competencies to the skills in their roles. It is mapped to APS levels to enable easy application to public service roles, as well as to the Skills Framework for the Information Age (SFIA) to align with industry standards. The DSCF also has a self-assessment tool which can be used to evaluate individual competencies and identify areas of development. It can be utilised to recruit, develop individuals and teams, and highlight career pathways.

How do the D2D CRC DSCF and the EDISON Framework differ?

- The DSCF has a self-evaluation tool, the Development Planning Tool (DPT). The DPT allows users to evaluate their competency against the framework to understand areas of development and where they are competent.
- The EDISON framework does not yet have a self-assessment tool.
- The DSCF is visual and concise, is contained in one document and is able to be tailored to different end users.
- The EDISON framework is a collection of multiple documents and is very detailed. It is developed and best for complex academic and specialist use, to guide curriculum.
- The DSCF maps skills and competencies to APS levels to make it easy to measure data science competencies with APS level expectations. It’s also mapped to SFIA to align with industry standards and needs.
- The EDISON framework was not created with the Australian public service in mind - it was developed in Europe for their competency-based learning.
- The DSCF is best for organisations looking to develop their data science workforce.
- The EDISON framework is best for education institutions.
- The DPT was developed with and by industry to ensure it meets the needs of those that will use it - especially self-assessment and self-development.
- EDISON is focussed on training institutions and developing standardised curricula for data science professionals.