

Specification of Competency Standards
for the Fashion
Unit of Competency.

Functional Area - Quality System & Sustainability

Title	Analyse sustainability data
Code	111621L5
Range	Analyse and interpret sustainability data to understand a particular scope of life cycle impacts of products and the various sustainability impacts along the value chain. This applies to individuals who are required to process sustainability data and make recommendations for sustainability improvements.
Level	5
Credit	3 (<i>For Reference Only</i>)
Competency	Performance Requirements - Knowledge in the subject area Be able to: - examine the common approaches (e.g. field study) and software (e.g. statistics) for sustainability data analysis - recognise the different categories of sustainability data and their analytical methods, including: greenhouse gas emissions, energy consumption, water consumption, and life cycle assessment - critically evaluate the limitations associated with different sources of sustainability data and data collection methods - apply a range of specialised techniques for analysing sustainability data and developing projections or working models for making sustainability improvement decisions - Application and process Be able to - review sustainability data to investigate the impacts of fashion products or value chain (e.g. energy efficiency, hazardous chemical discharge) - apply statistical analysis to sustainability data to identify trends or variations - compare data with reference values or expected results (e.g. intensity, frequency) - collaborate with stakeholders (e.g. academics, consultants) in analysing and interpreting sustainability data when required - analyse the effectiveness of design performance or sustainability initiatives in achieving sustainable results (e.g. in terms of environment or cost of compliance) - develop projections, working models or risk profiles for sustainability improvement decision-making - Exhibit professionalism Be able to - synthesise different types of sustainability data to provide a solid basis for objective decisions for sustainable fashion - ensure the statistical validity of the analysis process and avoid selectively using data to support preconceived conclusions - demonstrate sophisticated computer, analytical and problem solving skills in analysing sustainability data

Assessment Criteria	The integrated outcome requirements of this UoC are the abilities to accomplish: • Detailed analysis of sustainability data that can serve as a basis for generating insights for improving a particular scope of life cycle impacts of products and the various sustainability impacts along the value chain.
Remark	This is an updated version of Competency Unit 108255L5