**Learning aim** A: Understand engineering sectors, products and organisations, and how they interrelate

**Assignment title** Products, Sectors and Organisations

Task 1 You will be given a list of engineered products from a range of sectors by your Assessor. Select one of the engineered products.

* IPhone
* Xbox one
* PlayStation 4

a) Then:

i. research the different engineering sectors in which two of the major components/assemblies of the engineered product have been manufactured

ii. Identify the links between the sectors

iii. Make detailed notes on the sectors and how they combine to make the two major components/assemblies of the engineered product.

b) Now you have identified the different sectors, identify one named organisation from each of the sectors. The organisations you choose should be of different sizes.

c) Then carry out internet research to find out:

i. how many people each organisation employs

ii. How each is organised, e.g. is it single site in the UK or does it have manufacturing facilities in different countries

iii. The different departments in each organisation and the links between them

iv. The job roles and career progression opportunities within each organisation.

From these activities you need to gather all of your findings into a small folder, which will help you with your meeting with the Engineering Adviser.

The small folder must include a detailed commentary on why:

• The engineered product is made collaboratively by different organisations of different sizes

• Specialist engineering organisations from different sectors are needed when producing the complex engineered product

• Engineers from different sectors cooperate to produce the engineered product that contains numerous major components/assemblies that link together

• certain job roles are required in the different organisations when producing a complex engineered product, so that activities can be carried out at the correct time and in the correct manner, and the skills of those involved are best utilised.