SCSD LO2 Tutorial

Recall that LO2 is:

"Explain and motivate the goals set by regulation and standards and how they influence the requirements for compliant systems"

In assessing how well you have achieved this LO you will consider or a group of related standards can you analyse the:

1. *Quality of the analysis of a group of standards for comprehensiveness*
2. *Quality of the analysis of a group of standards for interdependency*
3. *Quality of the overview of how do they constrain the systems*
4. *Quality of the explanation of the motivation for constraints on products*
5. *Quality of the explanation of the motivation for constraints on process*

From last time, you have identified the broad group of applications you want to consider. You can find this in the wiki:
https://www.wiki.ed.ac.uk/display/SCSDTW/SCSD+Teaching+Wiki+Home at the moment tutorial group 1 has three subgroups and tutorial group 2 has yet to do this. For this tutorial here are the activities:

0. [Tutorial group 1 has already done this] Identify the domain you are interested in. Form 2 or 3 groups. Create a wiki page for each group. Include a list of members.
1. For each group member include a particular system or a class of systems (e.g. in automotive this might be "automatic braking systems" or some other similar category).[10 mins]
2. For your domain generate a list on the wiki of the main characteristics of software in your domain that you would like to ensure has good quality in the final product. Think as broadly as you can sorts of prompts you might like to consider are:
   a. Functionality
   b. Performance
   c. Resource Use
   d. Accessibility
   e. Security
   f. … [15 minutes]
3. Each person in the group should choose one characteristic you are interested in and then search for standards that might be relevant to the characteristic and list any you find on the wiki page. [15 mins]
4. Each person in the group should choose one standard relating to something they are interested in. Look at the standard and identify requirements the standard puts on your chosen type of system. [10 mins]

We will use this work as the starting point for an analysis of comprehensiveness, interdependency, and constraints imposed on products and processes.