

Exercise 5: Checking & Validation (Lau: Ch 9, [INSP])

For the following example requirements, identify which IEEE factors that they do NOT meet. How could they be phrased in a better way?

- **Example 1:** *Shut off the pumps if the water level remains above 100 meters for more than 4 seconds.*
- **Example 2:** *Aircraft that are non-friendly and have an unknown mission or the potential to enter restricted airspace within 5 minutes shall raise an alert.*
- **Example 3:** *Create a means for protecting a small group of human beings from the hostile elements of their environment.*
- **Example 4:** *The product shall provide status messages at regular intervals not less than every 60 seconds.*
- **Example 5:** *The product shall switch between displaying and hiding non-printing characters instantaneously.*
- **Example 6:** *The HTML Parser shall produce an HTML markup error report which allows quick resolution of errors when used by HTML novices.*

9.3) Can the analyst make some of the checks alone or are users/ customers necessary? See chapter 9.2, 9.3 (page 382)

9.7) How do the various checks contribute to the IEEE factors (quality of specification)? See page 377

Based on your own project (*Bring a copy of your own Reqs Document*)

1. Choose a checklist ([INSP] or Lau: chapter 9, page 394) for your own project and modify if necessary
2. Use the checklist on your own requirements document
3. Comments must be ranked according to importance. For your project, discuss a suitable ranking list.

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9.4) The checking techniques are intended for checking the almost finished specification. Could some of them be used earlier? If so, which ones?