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| 1. Functional requirement summary title. Examples: “Elapsed Time Measurement”, “5 VDC 2.5 Watt DC Power Supply”.    (0 points) No summary title.   (0 points) The summary title does not summarize the written description and/or the performance requirements.   (1 point) The summary title is present, but could be improved as I describe on the author’s paper.   (2 points) The summary title is present and clearly correlates to the written description and the performance requirements. |
| 1. Functional requirement summary description. Example (Elapsed Time Measurement): “The project continuously measures the elapsed time from the moment the racecar enters the START gate assembly (1A3) until the racecar enters the FINISH gate assembly (1A4).”    (0 points) The author does not provide a summary description of the functional requirement.   (1 point) The author provides a summary description of the functional requirement, BUT the description is unclear or requires other improvement as I describe on the author’s paper.   (1 point) The author provides a summary description of the functional requirement, BUT the summary description IS NOT the first information element within the written prose; the reader must search through the written prose to find this description.   (2 points) The author provides a summary description of the functional requirement, AND the summary description is the first information element within the written prose. |
| 1. Written prose that summarizes each performance requirement. Example (Elapsed Time Measurement): “The performance requirements for the elapsed time measurement function are shown in Table 2. The race rules specify a MAXIMUM ELAPSED TIME 𝑒𝑡𝑚𝑎𝑥 of 60 seconds, so the project must measure elapsed time ranging from zero seconds to 60 seconds. The ELLAPSED TIME RESOLUTION Δ𝑒𝑡 is chosen to be 10 milliseconds. The ELAPSED TIME ACCURACY 𝜀𝑒𝑡𝑚𝑎𝑥 is chosen to be ±1 second at the MAXIMUM ELLAPSED TIME value of 𝑒𝑡𝑚𝑎𝑥 seconds.”    (0 points) The performance requirements are not described/summarized with written prose.   (1 point) Less than ½ of the performance requirements are summarized in the written prose.   (2 point) More than ½ but not all performance requirements are summarized in the written prose.   (3 points) Each performance requirement is summarized in the written prose, but one or more summary statements is confusing and could be improved as I describe on the author’s paper.   (4 points) Each performance requirement is summarized in the written prose, and each summary is understandable and correct in my opinion. |

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| 1. Performance requirements are listed and defined within a table. Example (Elapsed Time Measurement): See Table 2 in the assignment handout. Typically, all related performance requirements are listed and defined within a single table (not multiple tables).    (0 points) At least one performance requirement is not listed/defined in table format.   (1 points) Multiple tables are used, but a single table could be (and should be) used.   (1 point) Less than ½ of the performance requirements are listed/defined in table format.   (2 points) More than ½ but not all performance requirements are listed/defined in table format.   (3 points) Each performance requirement is listed and defined within a single table. |
| 1. Performance requirements table organization. Example (Elapsed Time Measurement): See Table 2 in the assignment handout. (1 point>) The table has a header row whose font and/or background color is formatted to distinguish the table’s header row from the data rows. (4 points>) The table has columns labeled “Description”, “Symbol”, “Value”, and “Units” as shown in Table 2 in the assignment handout. *NB: The “Value” column may instead be defined as two columns labeled “Min” and “Max”.* |
| 1. Performance requirement correctness.  See Table 2 in the assignment handout.    (0 points) At least one of the performance requirements seems unrelated to the stated functional requirement.   (1 point) The performance requirements seem related to the stated functional requirement, but one or more performance requirements could be improved as I describe on the author’s paper.   (2 points) The performance requirements seem related to the stated functional requirement, and each performance requirement is understandable and correct in my opinion. |
| 1. Information organization.  See Figure 4 in the assignment handout. The paper consists of the following informational elements, in the same order as described here: (1) a functional requirement summary title, followed by (2) a single paragraph that provides (a) a summary description of the functional requirement, followed by (b) a summary description of each performance requirement, followed by (3) a table that lists the performance requirements.    (0 points)  Multiple required information elements are missing.   (1 point) Most of the required information elements are present, but the elements are not organized as shown in Figure 4 in the assignment handout.   (2 points) The required information elements are all present, AND they are organized as shown in Figure 4 in the assignment handout. |