

CAB reference checklist for the discussion of any SRS activity with problems that are likely to require highly technical solutions.

The purpose of this list is to assure the CAB's early understanding of the entire range of possible technological applications that might be useful to the project. The CAB is also interested in learning what will be the method used for selecting the most appropriate of the alternative technological approaches. The CAB would like to develop sufficient understanding of the technical problems (and the potential solutions) to be substantively involved in any subsequent discussion of project activities.

When presenting information to the Citizens Advisory Board about any specific project or other SRS activity, please consider:

1. Have the most important (those most likely to be useful) technological alternatives for this project been presented to the CAB?
2. Has the CAB been told if it will be necessary to develop new or innovative technical approaches to successfully complete the project? Can the required, new technology be developed on-site?
3. Have studies of comparative utility for various technological approaches, including measures of effectiveness and cost, been done and the results made available to the CAB?
4. For selecting the most appropriate technical solution to project problems, will the **Systems Engineering Approach*** be used?

If the Systems Engineering Approach is used, have the methods for determining what is the range of feasible technologic options been presented to the CAB?

Has the CAB been told what will be the approach for selecting and ranking the priorities that will determine what technical methods are included on the "short list"?

5. If the Systems engineering Approach is not used, what method will be used for determining appropriate technical solutions to project problems?

*The Systems Engineering Approach would include at least the steps listed below:

- Define project requirements
- Identify potential alternatives
- Select the long list of alternatives
- Grade the long list of alternatives
- Select the short list of alternatives
- Peer review the initial evaluation
- Grade the short list of alternatives
- Select the preferred alternatives
- Peer review final evaluation