

of a task they are about to use to think about and discuss d, hazards, and proper ways to ed by system safety engineers esigning a new assembly line. ation, and examining existing

processes similar to the following:

ics.

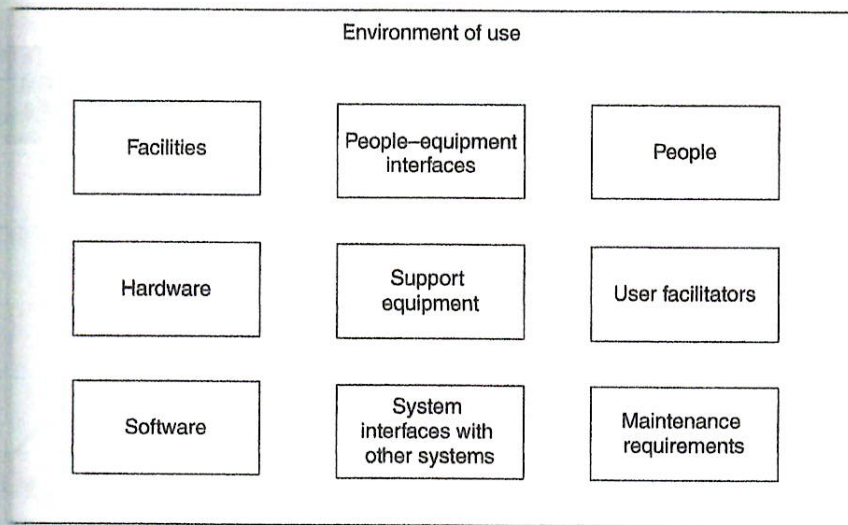


Figure 5.1 Elements to consider specifying in an RA system description.

ing processes similar to those these processes.

o define the system boundaries is similar to that used for a need to agree on the work to be schedule. For substantial RA Those who need to approve the ribing the scope of the project, ction of value added. Such a pe of the project.

no one-size-fits-all approach. chapter 1 (Table 1.1). OSH e second level of complexity, ctical way to start defining the ent in Figure 5.1 and write a ncluded for each element. Not warrants consideration. Each s to the overall clarification of questions needing answers are

- In what general environment will the system operate?
- In what facility or facilities will the system be used?
- What hardware will be part of the system?
- What software will be part of the system?
- What people-equipment interfaces will be part of the system?
- What support equipment will be considered part of the system?
- What interfaces with other systems will be part of the system?
- What will be the role of people within the system? What will be their skill levels?
- What manuals, training, procedures, and other human performance facilitators will be considered part of the system?
- What maintenance specifications and equipment will be considered part of the system?

After developing a draft system description, considerable discussions and several iterations may be needed to reach a description of the system boundaries satisfactory to all concerned. A system description provides half the foundation for an RA project. The other half is a description of the RA project scope.

5.1.1.2 Project Scope

The scope of the RA analysis needs definition. Both the organization funding the RA and the RA analysts benefit from a clear understanding of what will be assessed and