

- **SQM can play a critical role in managing progress by independently verifying the achievement of milestones. It is however possible for SQM to actually impede progress if this role is not managed properly.**
 1. **Discuss how SQM can impede progress, then describe why some degree of impedance may be beneficial (1 pt)**

When there're defects of management itself occurs, the SQM can impede progress. For example, ineffective monitoring and overly optimistic projections. This can extend progress time and make project stuck in some points.

Some degree of impedance may be beneficial because when defects occurs, there're also opportunities that can improve software system quality or project progress.

2. **Present an approach for guaranteeing that SQM plays a *net-positive* role relative to project progress (2 pts)**

Using metrics to improve process. Make the verifying measurable and standardized.

3. **Compare and contrast this with the role of airport security checkpoints (2 pts)**

Airport security is monitoring each passenger's personal items and their identifications to prevent prohibited items or people who are bad to get onto airplane. This ensure the security of airport, somewhat similar to SQM to monitoring development process to ensure high quality system. However, everyone in airport would be checked thus airport security checkpoints must impede the entire progress of flight check-in.