SYSTEM OF SYSTEMS which need to be integrated together and/or introducing new capability

Legacy systems which are being brought together to work as a super-system

What percentage in terms of size must each system is modified?

Information Need: How much change (new and/or modifications) are needed for each system?

Decision Criteria & Indicator:

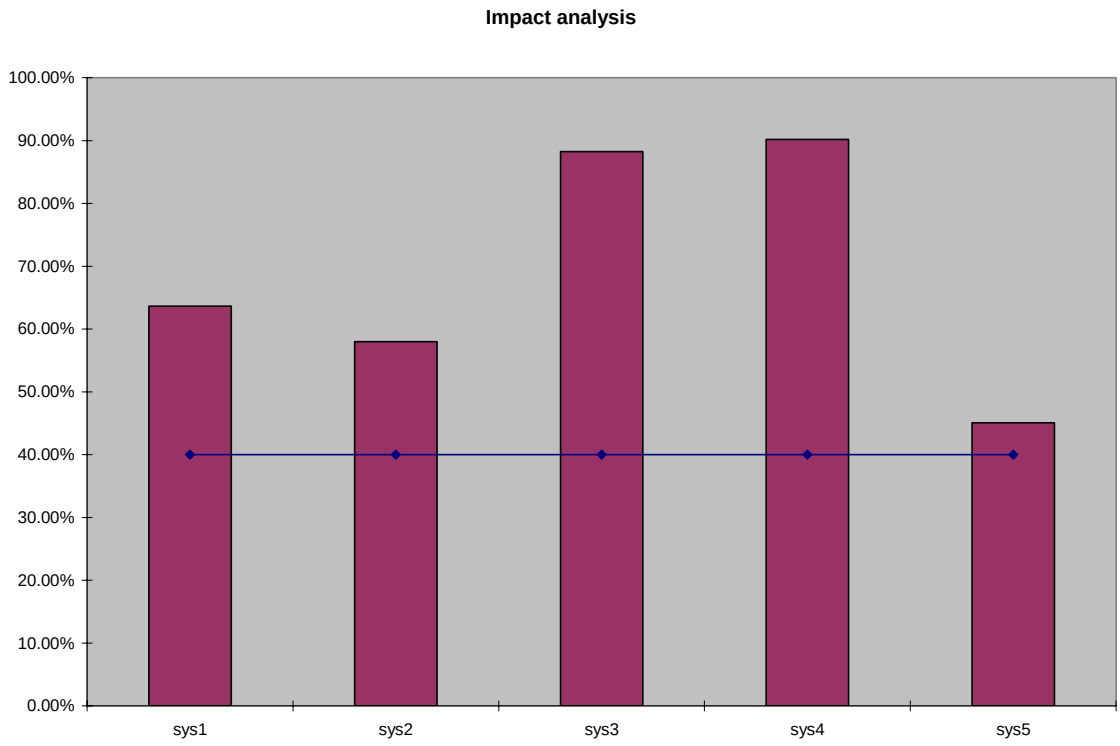
SYSTEM OF SYSTEMS which need to be integrated together and/or introducing new capability

Legacy systems which are being brought together to work as a super-system

What percentage in terms of size must each system is modified?

Information Need: New system or modify existing system?

Indicator: Amount of change - bar graph of impacted systems



Analysis Model: Compare the estimated modification numbers against the threshold

Decision Criteria: GTEQ 40% rate of change triggers the need for new systems to be developed.

Derived Measure:

- For SW Engineering: Pct. Change of LOC
    - Function – (N+M)/(N+M+U)
- For Sys Engineering: Pct. Change of Requirements
    - Function – (N+M)/(N+M+U)

Base Measure:

- For SW Engineering
    - New SLOC
    - Modified SLOC
    - Unmodified SLOC
- For Sys Engineering
    - New Requirements
    - Modified Requirements
    - Unmodified Requirements