

Chapter 6

Artifacts of the Process

Materials taken directly from
Walker Royce's textbook.

Introduction

- Know that most modern systems are composed of many components – some custom, some reused, some commercial – and many of these may operate in a variety of dissimilar networks on a variety of computing platforms with different operating systems.
- This different sources of these components dictates
 - different methods in creating artifacts and,
 - different approaches to traceability.

Artifact Development

- No longer sequential, complete. (Very difficult – especially – for senior mgmt to buy into in some cases...)
- Now, artifacts are developed iteratively; evolve with development ... together;
 - Different levels of abstractions
 - Artifacts evolve together in balanced granularity
- Exactly what the evolutions are - are choices and affect how requirements, design, etc. proceed...
- Activities necessitate repeatedly upgrading and ‘enriching’ these artifacts as our knowledge increases.
 - Models are continually refined, improved, enhanced....