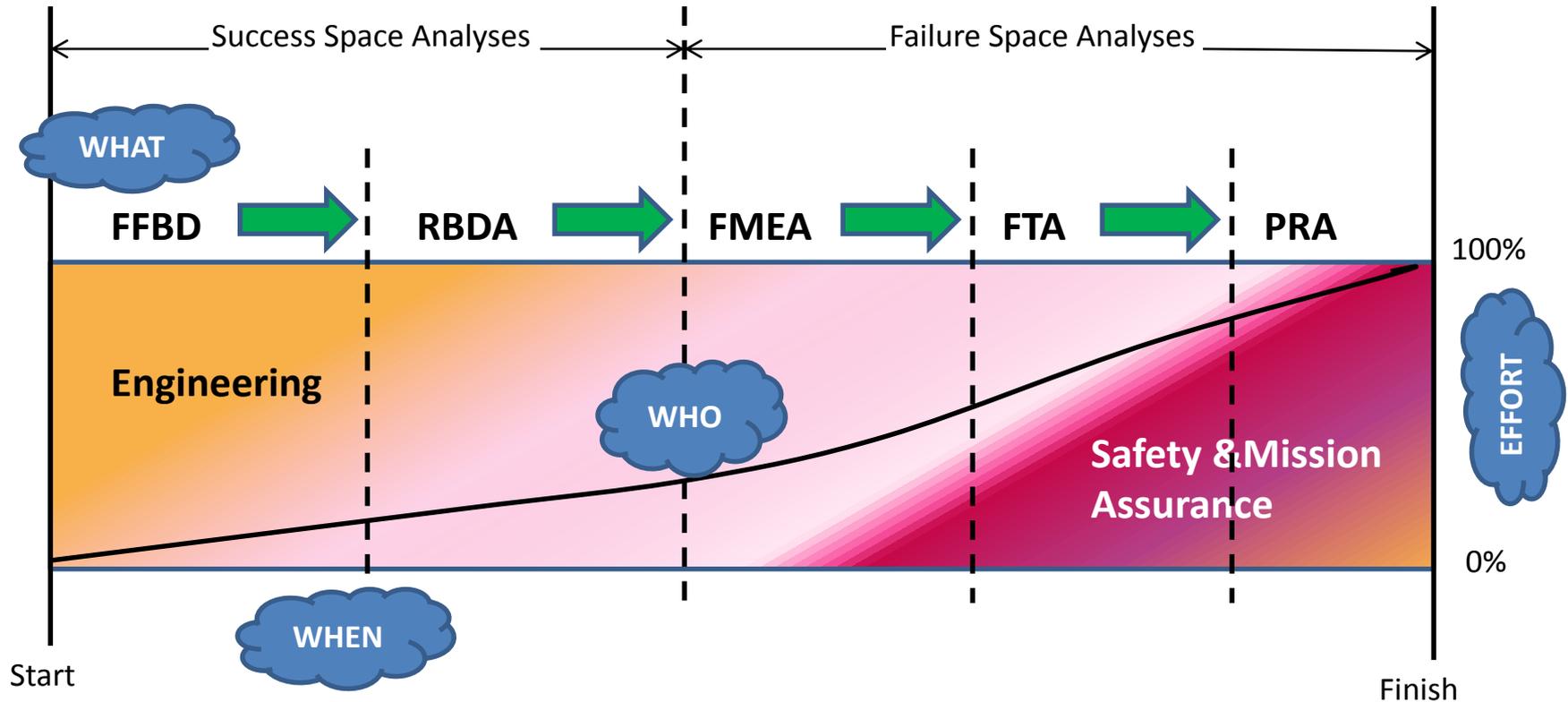


An Idealized Sequence for Producing Mission Assurance Analyses



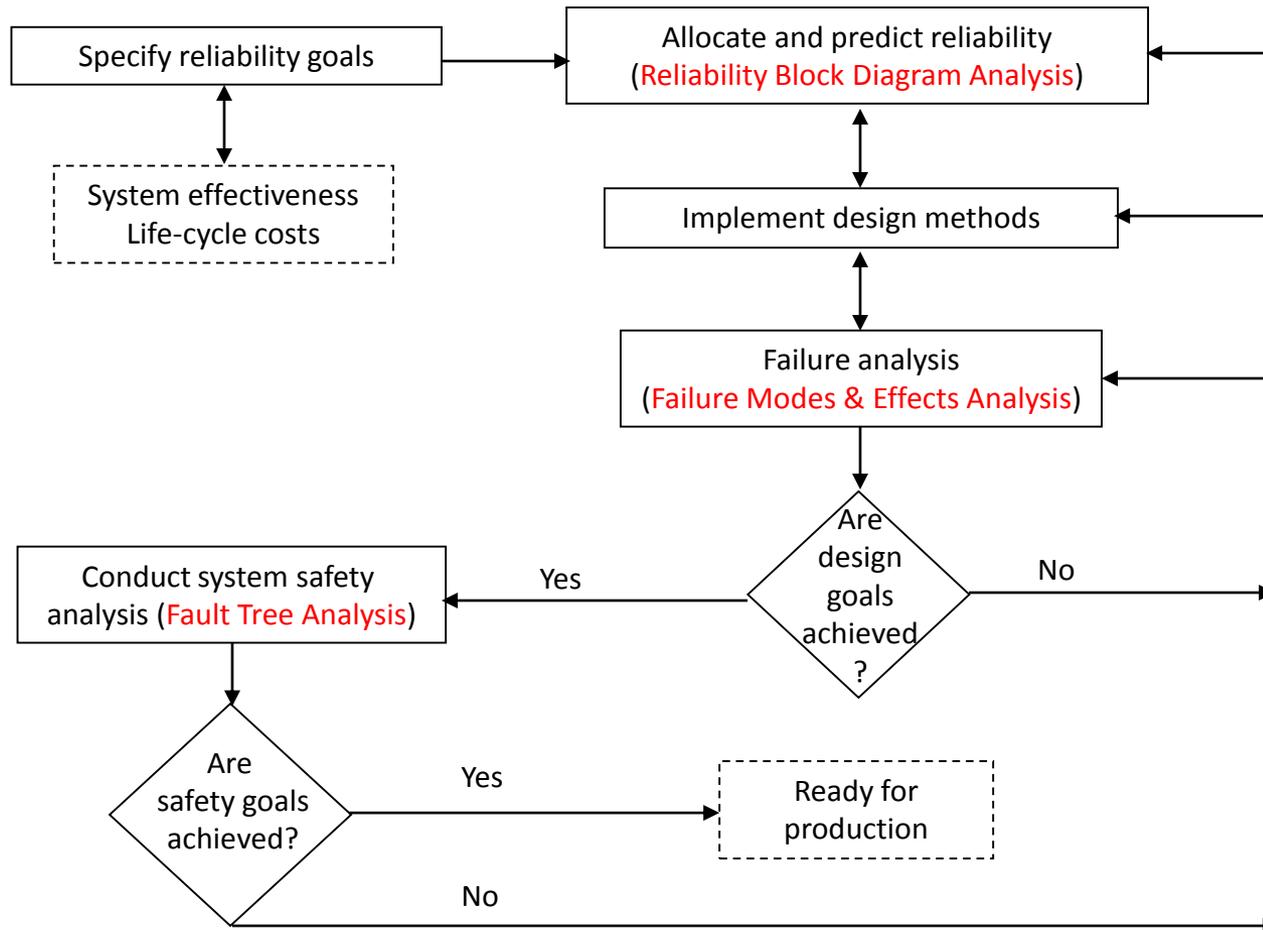
Analytical Products:

- FFBD** = Functional Flow Block Diagram
- RBDA** = Reliability Block Diagram Analysis
- FMEA** = Failure Modes & Effects Analysis
- FTA** = Fault Tree Analysis
- PRA** = Probabilistic Risk Assessment

Theme:

This work sequence (WHEN) builds and uses analytical products (WHAT) in an optimum manner—especially during the Design Phase. The appropriate mix of experts (WHO and EFFORT) make and deliver the right analytical product at the right time. In addition to serving the intended purpose at the desired time, each analytical product serves as an input that expands the technical fidelity of analytical products that follow.

Mission Assurance during the Design Phase



Reference: An Introduction to Reliability and Maintainability Engineering, Figure 8.1, Charles Ebeling, 2005.