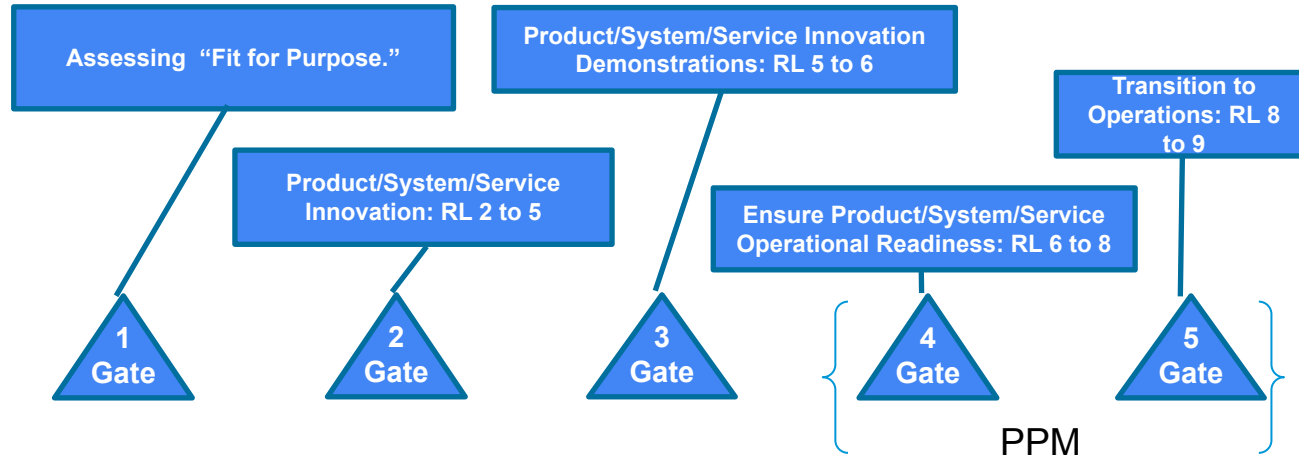


Science-Based Product Development Decision-Making Through a Gated Process, Following DOC SE Best Practices



NESDIS-PR-1300.1 SYSTEMS ENGINEERING PROCEDURAL REQUIREMENTS



Figure 3-2: DOC Scalable Acquisition project Management Framework

Decision Gates

Gate 1 is a review of NOAA mission priorities and user needs/readiness. Its purpose is guide research project activities to meet NOAA mission and stakeholder needs. Includes assessing the value and impact of our current products. Identify how our products are being used (or will be used) by the office requesting the product(s). Identifies shortfalls and user readiness needs

The outcome is a rolling five-year innovation / user readiness implementation roadmap based on existing NOAA mission strategic reports, user needs and updated annually. Used for guiding calls for proposals.

Gate 2 Innovation Project Selection and Development

Entry criteria. – consistent with NOAA mission needs, identifying a gap in knowledge relevant to NOAA's mission, active user participation throughout the project, initial assessment of pathway to operations, prioritization by the EPG executive board.

Exit criteria: Final report with user feedback, description of pathway to operations and user readiness. Discussion with EPG Board on projects to move to Gate 3.

Gate 3 Innovation Demonstrations

Entry criteria. – Selected from projects meeting Gate 2 exit criteria, well established user acceptance and feedback/value assessment plan, user readiness, PPM assessment of pathway to operations, prioritization by the EPG executive board for projects to move forward.

Exit criteria: Final report with user feedback, with high fidelity description of pathway to operations and user readiness. Discussion with EPG Board and PPM on projects recommended to Gate 4