

# Applied Risk Management Specialty Group

Making the expertise of the SRA community more accessible and usable to real-world practitioners

Willy Røed

Chair of Applied Risk Management Specialty Group

# Concepts/ Tools

- Dose Response
- Exposure Assessment
- Decision Analysis and Risk
- Foundational Issues in Risk Analysis
- Economics and Benefit Analysis
- Risk Communication
- Resilience Analysis



- Ecological Risk Assessment
- Engineering and Infrastructure
- Occupational Health and Safety
- Risk Policy and Law
- Security and Defense
- Advanced Materials and Technologies
- Risk and Development
- Microbial Risk Analysis

# Applications

# Example – Work in Progress: Analysis Quality Tests

Tests that can  
be used to  
evaluate the  
quality of risk  
analyses

## Section A - Framing the Analysis and Decision Making

1. Clarity of the goal of the analysis.
  - a. Is the goal of the analysis clear and clearly announced?
  - b. Is the risk/cost of falling short of that goal described?
2. Are the decisions to be supported by this risk analysis clearly identified?
  - a. For example, to ensure a safe design; to determine acceptable design
3. Is the risk analysis positioned appropriately in the organization chart of the client?  
Points in the organization chart may range from tactical to strategic, from risk management to management to enterprise management, etc.
  - a. E.g., does the risk analysis deliver results to points in that chart (perhaps several points), such that for each point, it has the appropriate funding, timing and credibility?
4. Embedding in the Decision Process
  - a. Is the risk analysis fully and effectively engaged with the risk management decision makers?
  - b. Does the risk analysis timeline support specific points in decision making?
5. Decision Maker Focus
  - a. Does the risk analysis give decision maker(s) risk information customized to their perspectives?
    - i. i.e., Is the analysis shaped to the risk manager's ability to address the risk?
  - b. Does the risk analysis support the decision maker(s) to:
    - i. Understand the limitations of the analyses, and the implications of those limitations for their decisions?
    - ii. Make tradeoffs against "Other Decision Factors?"
    - iii. Address sub-optimality in the risk management processes?

# The Analysis Quality Test Document

**General**  
Analysis Quality Tests

14 sections

**Domain Specific**  
Analysis Quality Tests

One section for each  
domain

# Abstract Submission: SRA Annual Meeting 2019



# Webinar September 4th 2019

Interactive webinar related to our ongoing activities

# Questions or comments?

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- Secretary: Patricia Larkin
- Advisors: Steve Ackerlund, Ronald Dyer and Rob Waller