The Decision Analysis Working Group (DAWG)

- Leadership Team:
  - Frank Salvatore, Chair
  - Dr. Greg Parnell, Co Chair
  - Devin Clark, Co Chair
  - Stefanie Chiesi, Co Chair

- Purpose
  - Advance the state of the practices, education and theory of Decision Analysis and its relationship to other systems engineering disciplines.

- Goal
  - Expand and promote the body of knowledge of Decision Analysis and its benefits within the Systems Engineering community.

- Scope
  - This technical working group will cover activities that are generically applicable to current and future Decision Analysis practices thru the product development and project life cycle for any and all domains and industries.

New Product: Decision Analysis Data Model (DADM)

SYSTEMS ENGINEERING

VISION 2035

ENGINEERING SOLUTIONS FOR A BETTER WORLD

EXECUTIVE SUMMARY

INCOSE   Vision35

Trusted collaboration and interactions through a **digital ecosystem**

Analytical frameworks for managing the lifecycle of complex systems

Widely adopted **reuse practices**

01
Decision Analyses can touch multiple disciplines and stakeholders and should leverage a **digital ecosystem** to enhance **collaboration**

02
Decision Management methodologies provide an **analytical structure** for approaching multi-factor decision making throughout the system lifecycle

03
By creating a **reusable** Decision Analysis Data Model, practitioners are aided in quickly deploying decision management strategy for traditional or model-based projects

Decision Analysis Data Model (DADM)

The Decision Analysis Working Group will develop a reusable, model-based, data model to:

- Aid practitioners in making **multi-factored decisions**
- Digitally define **decision management analytical framework**
- Establish **reuse practices** for off-the-shelf job aids for practitioners
- Leverage **digital ecosystem** to more collaboratively manage **risks** and **decision making**
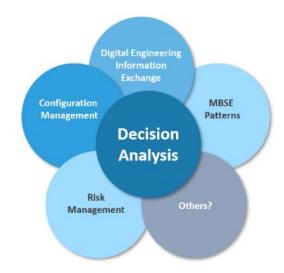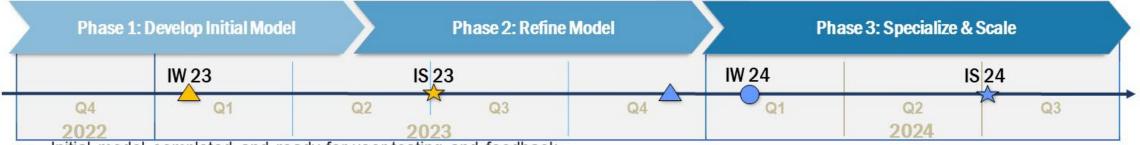
Work with other working groups to define:

Interfaces and dependencies	Data inputs and outputs
Existing best practices and lessons learned	Additional DADM use cases

The Roadmap

Phase 1: Develop Initial Model	Phase 2: Refine Model	Phase 3: Specialize & Scale

IW 23   IS 23   IW 24   IS 24

Q4 2022   Q1   Q2   2023   Q3   Q4   Q1   2024   Q2   Q3

- Initial model completed and ready for user testing and feedback
- Model v.1.0 delivered for INCOSE review
- Model v.1.0 review event (IW 24)
- Model v.1.0 approved and ready for release to community

Attend our workshops

- When: 1/29 & 30 from 1:30 to 4:30
- Where: Salon C