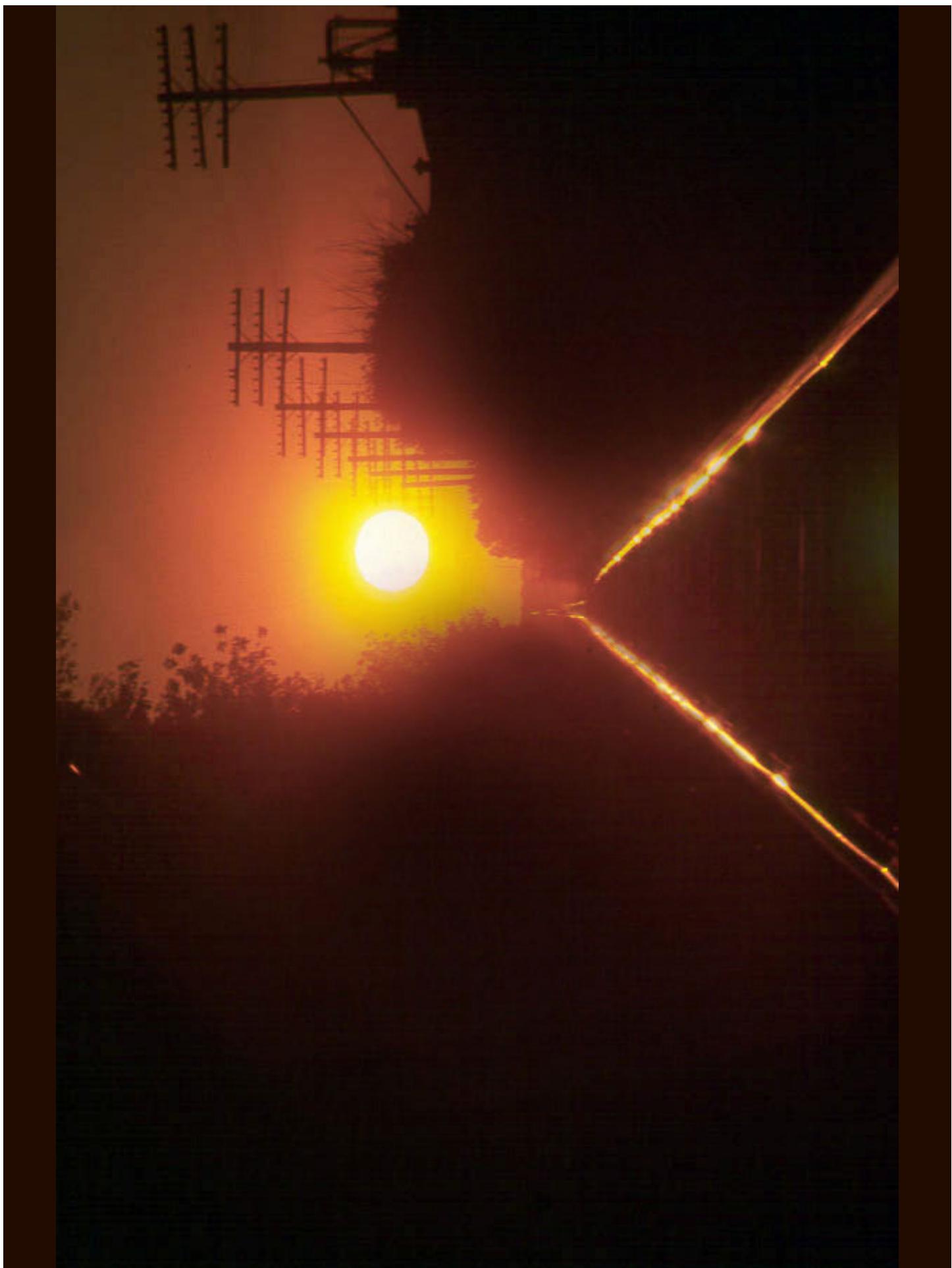


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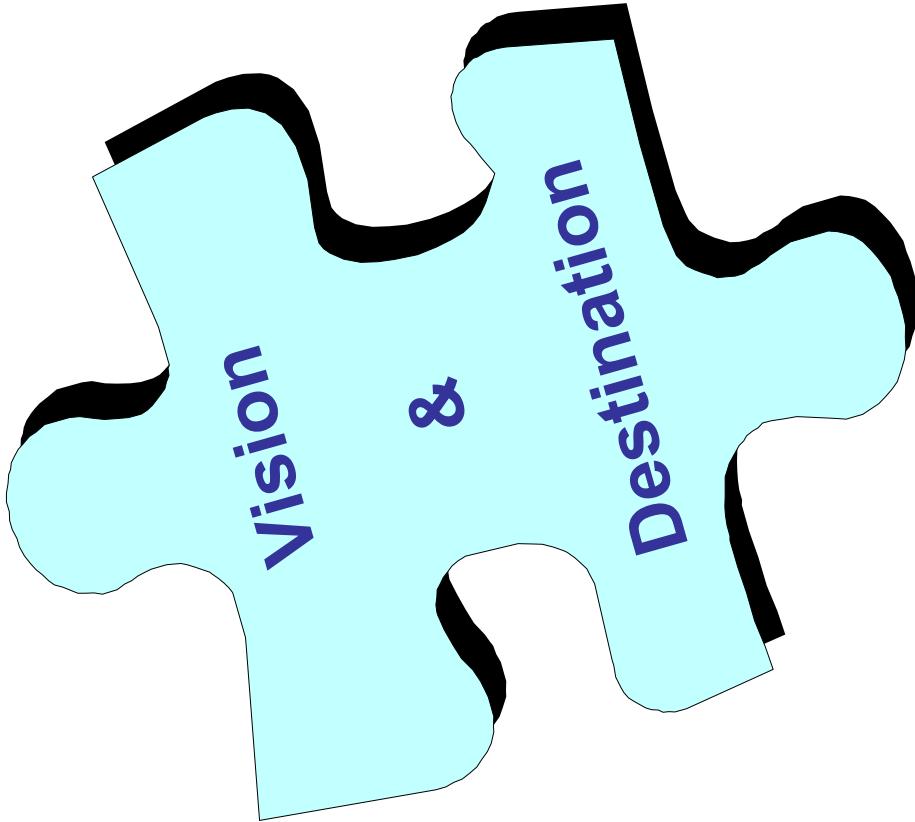
Next Generation PSA Software & Model Representation Standards

What Is the “Next Generation”?

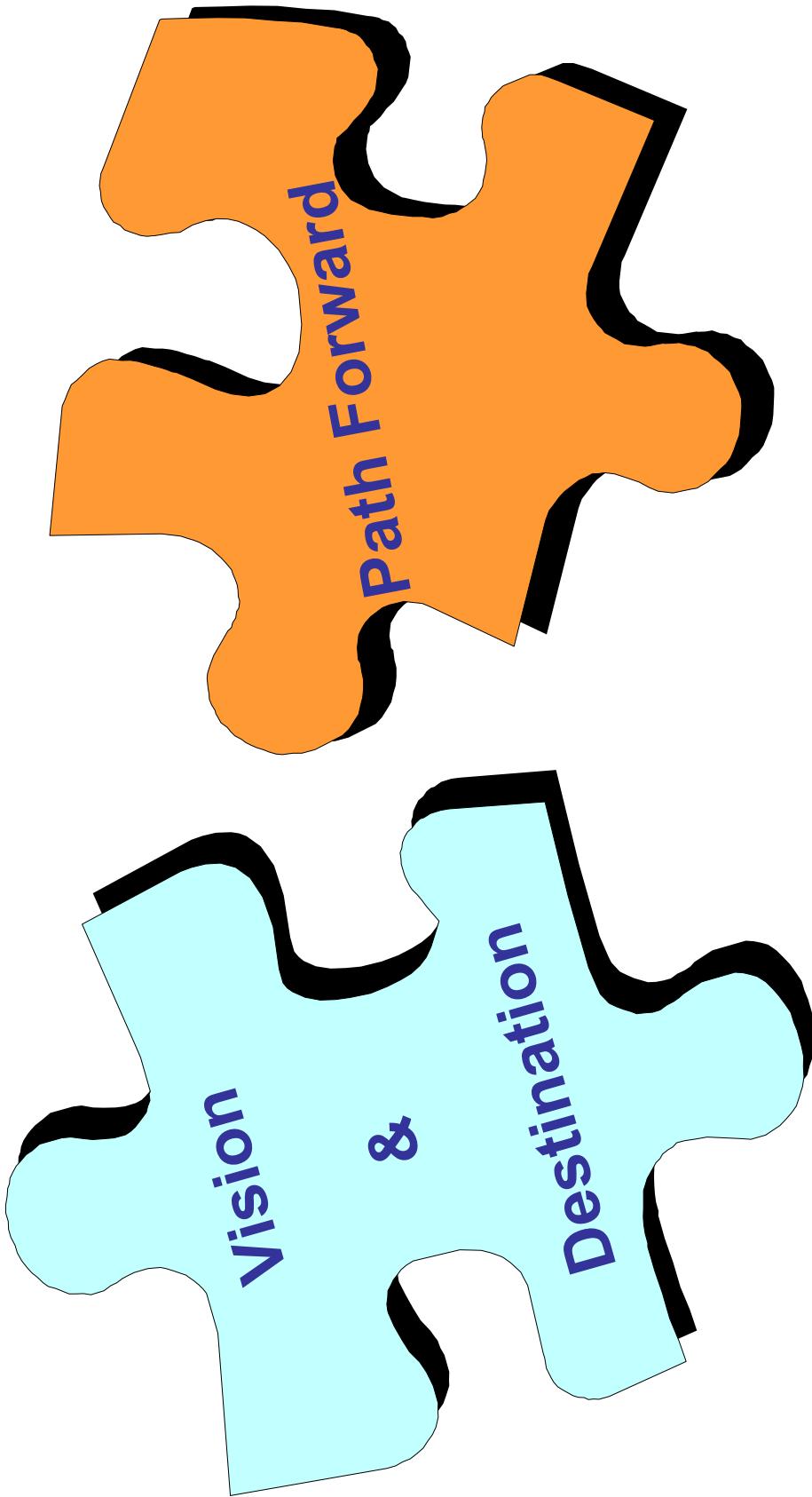
Mark Reinhart
Senior Risk Assessment Officer
Risk Assessment Branch



Navigate To Destination



Navigate To Destination



Objectives to be Gained

- Improved Language, Structure, Capabilities
- End & Potential Software Use? Now & Future!
 - Applications?
 - Who?
 - How?
- Software Interface
 - Human: On-Line? Reports?
 - Electronic: Local? Inter-Organization? International?
- Inputs: Data, Assumptions, etc.
 - International?
 - National?
 - Plant Specific?
 - All of the Above?

2020 Planning Hypotheses

- Countries Operating NPPs
 - Currently: 32
 - Additional to Pursue: 15
 - Additional to Consider: 20
- Balance* of NPPs
 - Currently in Operation: 440
 - Projected Additions: 200
 - Projected Shutdowns: 80

*Round Numbers

Risk-Informed Decision Making Benefits

- Refine & Improve Safe NPP Ops
- Assess, Reduce, & Manage Risk
- Improve Reliability, Increase Operational Flexibility & Optimizing Resources
- Provide Appropriate Balance Among
 - Operational, Maintenance, & Design –
 - Strategies & Decisions
- Supported by High Quality PSA



RIDM International Coordination

- Assimilate & Disseminate Harmonious:
 - Thinking
 - Approaches
 - Methods
 - Experience
 - Successes
 - Challenges
 - Lessons
 - Terminology
 - Safety Goals
 - PSA Software
 - Codes
 - Standards
 - Assumptions
 - Success Criteria
 - Data: PIEs, etc.
 - Performance Measures



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10

Край в'єт
КОНЕЦ
Het Einde
The End
C'est le Fin
El Fin
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