Safeguards Technology Strategic Planning Pentachart

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Safeguards Technology Strategic Planning

**Background/State of the Art**
- Builds on earlier strategic planning workshops conducted for SGIT, SGTS, and SGCP.
- Many of recommendations from these workshops have been successfully implemented at the IAEA.
- Provide a context for evaluating new approaches for anticipated safeguards challenges of the future.
- Approach used by government and military to plan for an uncertain future.
- Uses consensus decision-making.

**Approach, Metrics and Outcomes**

**MAIN GOAL**
- Advance the IAEA’s long-range plan for evaluating and developing new safeguards field instruments.

**HOW IT WORKS**
- Identify scenarios for future or current safeguards challenges.
- Identify and invite experts with appropriate expertise to participate in strategic planning workshop.
- Conduct a workshop using these scenarios, with breakout groups to identify potential technological solutions and areas for further R&D development.
- Develop value-weighted prioritized lists of potential areas for research and development.
- Draft a report summarizing the workshop outcomes with recommendations for future action.

**ASSUMPTIONS, LIMITATIONS & CONSTRAINTS**
- Working group approximately 15-20 people.
- Each participant is a subject matter expert in a safeguards applicable technology.
- Independent thinking focused on the scenario—meaning no one selling specific technology.
- Success of workshop depends on the participants and the quality of the scenarios.

**Impact**
- Focuses attention on the long-term challenges IAEA faces.
- Assesses ability of technological development system to meet those challenges.
- Provides structured approach for strategic planning.
- Identifies potential future improvements in technical capabilities.

**Goals/Action Plan**
- **Start of FY TRL = N/A**
- **End of FY TRL (Planned) = N/A**

**Current FY**
- Develop workshop goals and identify roles of support personnel.
- Plan workshop activities and finalize agenda.
- Develop workshop scenarios.
- Conduct workshop.
- Draft report summarizing the conclusions of the workshop.

**Team**
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