TRANSSC 22

14-17 June 2011

SELF ASSESSMENT TOOL (SAT)

Agenda Item 4.1
Self-Assessment Methodology

Project Components:

IAEA methodology for self-assessment

Question-sets derived from the IAEA Standards and Guidance

Editor software to facilitate question-set design, development and updating

Software to facilitate the implementation of self-assessment by MS
The Self-Assessment Cycle

1. Preparation
2. Answering
3. Analysis
4. Action Plan
5. Follow Up

IAEA
International Atomic Energy Agency
Modular Question-Sets - Structure

Primary Question: 

Yes | No

Secondary Question: Extensive written response with appended evidence

Secondary Question: Extensive written response with appended evidence

Secondary Question: Extensive written response with appended evidence

Secondary Question: Extensive written response with appended evidence

Secondary Question: Extensive written response with appended evidence

Secondary Question: Extensive written response with appended evidence

Tertiary Question: Seeking information

SAT Report (pre-analysis)
The IAEA Self-Assessment Methodology and Tools

The IAEA Self-Assessment Tools:

The ‘Editor’ Software

Facilitates development and revision of question-sets in accordance with a defined structure.

Structures and simplifies the ‘cascade’ nature of the questions.

Enables reliable and consistent referencing to all relevant documents.

Facilitates translation into any language and supports all alphabets/notations.

Web-based: Authors can work together in real time online.

Transfers new or revised question-sets into the SAT software.
SAT Software

Highlights priority areas for improvement.

Over time, builds a permanent record of compliance status, including supporting evidence and documentation, embedded in a SAT report.

Fully editable SAT Report may be archived in an untamperable format.

SAT data is compatible with RASIMS and RAIS etc.

May be used by reviewers and experts during external review as a question-set and technical-notes record.
CS Self Assessment Tool (SAT II).

- Reviewed the existing question-sets
- Drafted core and thematic question sets for MS regulatory bodies and/or operators
- Purpose of SAT II is to enable a self assessment of compliance with the regulations.
Criteria adopted

• Only questions that would help in assessing the effectiveness of implementation of the IAEA Regulations would be included.
• Every question would have a basis drawn from either the Requirements or the Safety Standards of IAEA.
• Areas which are covered by GS-R-1 would not be included unless they were specifically relevant to transport of radioactive material
• TS-G-1.5
Do the functions of the competent authority include inspection of premises and conveyances in connection with the safe transport of radioactive material?

– If the response is “True”, the responder has to furnish the relevant regulatory provision.

– If the response is “False”, the responder has to describe how compliance is assured.
SAT to be User-friendly

- Not many questions
- Number of questions per module restricted.
- Some modules warrant many questions.
- In overlapping areas, efforts were made to avoid repetition of questions.
- The question-set is kept user friendly.
Way forward

• Canada - provided with SAT questions

• The SAT web site launch is proposed to take place in July 2011