Prospects for Regional Safeguards Systems

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Outline

• Regional State Systems (RSAC)
• International Safeguards Evolution
• IAEA State Level Concept and RSAC
  – Reevaluation
  – Changes
  – Interfaces
• Lessons Learnt
• Remarks
• Contributions
RSAC CONTRIBUTIONS

- BUILDING CONFIDENCE AT SOME PARTS OF THE WORLD
  - Areas where historical political differences were found;
  - First step to stop any arms race;
  - Establishment of Nuclear Weapons Free Zone.

- INTERNATIONAL SAFEGUARDS
  - Help States to increase the non-proliferation credentials;
  - Promote State Safeguards Systems; (implementation and effectiveness)
  - Help the International Safeguards;
    - Equipment, Training, Human Resources, etc.
Evolving of International Safeguards

- IAEA was for the last years challenged:
  - To detect undeclared activities on last years;
  - Growing of nuclear installations – in the next 20/30 years - safeguarded installations;
  - To have a more effective system not based only standard requirements;
  - Have the safeguards costs in the acceptable limits - human and support resources;
  - Continuing its mission – Apply safeguards effectively and contribute for Non Proliferation;

- IAEA is answering these challenges
  - Integrated Safeguards (States with AP in force);
  - Use of Technology
    - Remote Monitoring (Safeguards), Forensics, etc.
  - New safeguards implementation- such as State Level Concept to conduct State Level Approach (to all states);
State Level Concept (SLC)

• IAEA is developing and implementing the State Level Concept:
  – Not new – integrated safeguards;

• Safeguards system to be more objectives-based and using all information available:
  – Not nuclear material or facility oriented;
  – Continuous state evaluation;
  – State-Level Approach;
    • Specific safeguards measures for a State;
    • Flexibility in safeguards activities to reach the technical objectives;
  – Executed through an Annual Implementation Plan
State Level and RSAC

- State-specific Technical Objectives
  - State specific factors and structured acquisition path
  - Will be they the same? or, Will be determined together with the Regional System?

- State Level Concept conducts to a State Approach which provide flexible options of activities to meet State Specific Technical Objectives.
  - It will be a continuous process couple to evaluation. This will conduct to a changeable Safeguards Approach - Require coordination with RSAC;

- Identification and selection of activities in the AIP (not static) – Require coordination with RSAC;
RSAC processes also need to be reevaluated

- How to cope the safeguards flexibility given by the IAEA State Level Concept;
  - RSAC activities also be more flexible, but the flexibility could not be the same
- Stay applying prescriptive safeguards;
  - May impact the member state with burden activities
- How to accept this flexibility with different available information;
- Different: Activities – Results – Conclusions;
- Presently not all the questions have envisage solutions - Increasing in Coordination would be one major consequence!
How to address the changes (conceptual)

- Having a positive and proactive posture;
- Should be seen as an opportunity to “integrate” and to give a greater value to RSAC/SSAC;
- Mutual benefits, for IAEA and RSAC, and mainly for the Member State;
- Optimize the available resources (RSAC and SSAC);
- Changes should be implemented keeping the IAEA/RSAC relationship;
  - Flexibility should impact positively the relation IAEA – RSAC
How to address the changes (suggestions)

• IAEA changes effectively use the RSAC system and findings;
  – RSAC – Should not be considered only as a state specific factor;

• Annual Implementation Plan – close participation of RSAC;
  – Integrated with regional system – Planning together;

• Activities to be performed by RSAC:
  – RSACs have to comply with its own Obligations (Legal requirements);
  – All Activities or selected activities (traditional);
  – IAEA needs to perform all ?;
  – Concentrate on additional and flexible activities - Partners;
Current IAEA and RSAC interfaces - Changes introduced by SLC

- IAEA/RSAC most common relationship:
  - Provision of information; **not affected**
  - Joint safeguards approaches; **affected**
  - Joint Use of Equipment; **not affected**
  - Installation systems and equipment costs sharing; **not affected**
  - Joint Inspection Activities; **affected**
    - Partnership approach
  - Interchange and common evaluation of the safeguards results; **not affected**
  - Independent conclusions. **affected**
LESSONS LEARNT

Regional systems are only a State Factor?

- A regional organization presents the advantage of controlling a small universe of facilities and nuclear material. Not required to follow universal standard procedures as requested in the IAEA international system. More flexible

- Information is acquired easily (open and specific sources); (cross inspections)

- Political and cultural reasons incorporate extra features on the RSAC role; RSAC understand better the State systems;
REMARKS

• The changes are an opportunity to improve the safeguards systems and the participation of RSACs/SSACs on international safeguards;
• The role of RSAC are still not fully considered for safeguards application – Legal requirement;
  – The findings of the RSAC should be evaluated and used;
  – Independent results X independent conclusions;
• The Regional System should have the capacity to act as an interface among the States and IAEA as well as to represent the IAEA in selected safeguards activities;
• Both EURATOM and ABACC – Open to collaborate;
• SLC shall conduct to a State safeguards conclusions soundly based and up-to-date – demonstrate compliance.
CONTRIBUTIONS OF ABACC

• ABACC has demonstrated to have a robust, reliable and credible safeguards system;
• ABACC is open to new concepts and technologies that improve the efficiency and effectiveness of the applied safeguards system;
• Acts as an interface between the states and IAEA and is ready to represent the IAEA in safeguards activities;
• As in many parts of world, the nuclear area in South America is having a growing momentum;
• On this 20 years, ABACC has developed a extended collaboration and safeguards improvement with IAEA;
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REGионаl SAFEGUARDS systeMs: PaSt CONTRIBUTions And PeRspECTives For FUTURE SAFEGUARDS IMPLEMENTATION

Thank you

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