



الوكالة الدولية للطاقة الذرية  
国际原子能机构  
International Atomic Energy Agency  
Agence Internationale de l'énergie atomique  
Международное агентство по атомной энергии  
Organismo Internacional de Energía Atómica

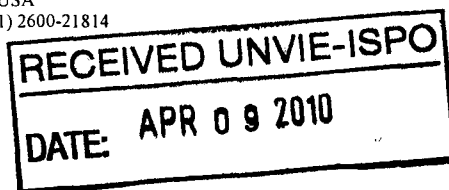
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Mr. A. Queirolo

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U.S. Mission to the International Organizations  
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2010-04-07

Subject: Transmittal of Task Proposals

Dear Mr. Queirolo,

With reference to the U.S. Support Programme, I am pleased to provide the following new Task Proposals:

*10/ICA-002      Development of Information Analysis Reference Package*

This task is part of the Information from Open Sources project. The project manager is Mr. R. Zarucki.

*10/TAU-004      On-Line Enrichment Monitor (OLEM)*

This task is part of the Techniques and Equipment for Safeguards at Gas Centrifuge Enrichment Plants project. The project manager is Mr. A. Lebrun.

Please inform me at your earliest convenience whether the content of the proposals is acceptable to the U.S. Support Programme or if you would like to introduce any amendments. In your reply, please also provide the name(s) of the U.S. contact person(s) responsible for the tasks.

Upon acceptance of the proposals, the IAEA will transmit the Task Outlines to you indicating the name of the IAEA task officers. Our understanding is that the U.S. Support Programme and the IAEA task officers will then establish detailed task workplans.

I would also like to express the appreciation of the IAEA for the valuable contribution provided by the U.S. Support Programme to the IAEA's safeguards efforts.

Yours sincerely,

Sergey Zykov  
Director, Division of Technical Support  
Department of Safeguards

Enclosures

**SP-1  
TASK PROPOSAL PART**

**RECEIVED UNVIE-ISPO**

**DATE: APR 09 2010**

**1. Task Proposal**

- 1.1 Task Proposal ID:** 10/ICA-002 **Date received in SPA:** 2010-01-26
- 1.2 Task Title:** Development of Information Analysis Reference Package
- 1.3 Requester / Division / Section:** Zarucki / SGIM / ICA
- 1.4 Is this a CFE task?** No
- 1.5 Task Category:** D
- 1.6 Is this a joint task for MSSPs?** No
- 1.7 Is multiple acceptance required?** Yes
- If 1.6 or 1.7 is yes, indicate the reason:** To include expertise from various States.

**2. Project**

- 2.1 Project ID:** SGIM-003 **Project Type:**
- 2.2 Project Title:** Information from Open Sources
- 2.3 Project Manager / Division / Section:** Zarucki / SGIM / ICA

**3. Safeguards Requirement Identification**

**3.1 What is needed, why and when:**

The development of an Information Analysis Reference Package (IARP) was proposed in the approved R&D Plan 2010-2011 under project SGIM-03: Information from Open Sources. This task is part of a knowledge management and analytic integration initiative within Information Analysis Unit (IAU). This new activity may require support from various Support Programmes in the area of provision of reference documents, images and other material, and in the development of software to provide an interactive basis for categorizing and assessing information against proliferation indicators. Foreseen are consultancy visits by senior information analysts for the Information Analysis Reference Package structure refinement and IT specialists in HTML (Adobe Dreamweaver HTML editor) and database programming.

**3.2 How will the task results be used and by whom:**

Indicators of undeclared nuclear activities or nuclear material may in some cases be observable via open source information collection, analysis and integration with other Agency information. This will continue to be a high priority for SGIM and requires increased focus on elaborating research strategies and methodologies to efficiently and effectively detect and analyse such indicators through open source information collection and integrate with other sources of information available to the IAEA.

The IARP will enable SGIM Information Analysts to more efficiently and effectively collect, analyze, and integrate safeguards-relevant information from open sources.

**3.3 Consequences if task is not performed:**

The growing volume of open source information and the diverse forms of information available (text, audio, visual) poses significant challenges. Meeting these challenges requires ongoing development and long-term investment in technology and tools that effectively collect relevant information, filter out "noise" and organize valuable information in a clear and accessible manner. This task aims to enhance these aspects of information processing, and to support analysis.

One of the consequences if the IARP is not developed is that potentially relevant safeguards information will not be properly collected, analyzed or integrated with other information available at the Agency. In a worst case scenario, this could mean overlooking indicators of undeclared nuclear materials or activities (missing potential

proliferation activity).

#### 4. IAEA Proposed Work Outline

##### 4.1 Major task stages with timing:

Work Plan for period of 24 months

For the period of 24 months the work plan will include the following activities:

- Review of the basic structure: reference material and collection&analysis material
- Advice on inclusion of specific reference materials
- Development of interactive interface within the package to cross-link respective information
- Inclusion of interactive nuclear fuel cycle and physical model indicators, in co-operation with Novel Technologies Project.

Few three/four weeks consultancies will be appropriate to develop this task.

These activities are essential to establish enhanced information analytical process within IAU/ICA.

4.2 Support Division(s) / Section(s): SGIM / ICA

4.3 End User Division(s) / Section(s): SGIM / ICA

4.4 Estimated duration in months: 24

#### 5. Safeguards Approval Process - not displayed

#### 6. Acceptance by MSSP(s)

6.1 MSSP(s) to which the task is proposed:

AUL  
EC  
FRA  
RUS  
UK  
USA

Date accepted:

Agency Task ID: