



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

ISPO Liaison Officer
U.S. Mission to the International Organizations
in Vienna (UNVIE)
Wagramer Strasse 17 - 19
A-1220 Vienna

2010-08-23

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/IAP-002 Additional Protocol System Implementation (Re-engineering)

This task is part of the Integrated Analysis project. The project manager is Mr. J. Hilliard.

10/ICA-008 Scientific and Technical Information Management

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

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

1. Task Proposal

1.1 Task Proposal ID: 10/ICA-008 Date received in SPA: 2010-05-17

1.2 Task Title: Scientific and Technical Information Management

1.3 Requester / Division / Section: Barletta / SGIM / ICA

1.4 Is this a CFE task? No

1.5 Task Category: D

1.6 Is this a joint task for MSSPs? Yes

1.7 Is multiple acceptance required? No

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 Scientific and Technical (S&T) Information Management 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 open source information management. This task is designed to improve on existing work processes and information technology (IT) software for the collection, processing, management, analysis, integration, and dissemination of scientific and technical (S&T) information in support of nuclear safeguards verification. This task is designed to complement other tasks planned or in development (including under SGIM-3 as well as SGIM-6 Integrated Analysis). This task may involve multiple Member State Support Programmes in four areas: 1) provision of relevant S&T information; 2) expert consultancies for guidance in refining methodologies for S&T information analysis and integration with information from other sources, and for comparative evaluation of available software for S&T information management; 3) customization and training in use of any S&T software that may be selected for information management and integration; 4) workshops on methodologies and tools to train SGIM and other SG staff in "best practices" in collection, analysis, and integration of S&T information to identifying possible indicators of undeclared nuclear activities or materials, in support of nuclear safeguards verification.

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 S&T information collection, analysis and integration with other IAEA information. This will continue to be a high priority for SGIM, in its contributions to for State Evaluation and in-field safeguards verification activities. SGIM requires support to improve existing methods and tools, in order to improve efficiency and effectiveness in detecting and analysing such indicators in S&T information.

3.3 Consequences if task is not performed:

The growing volume of open source S&T information offers significant opportunities as well as challenges. Systematic collection, analysis, and integration of relevant S&T information may enable efficient resolution of possible questions relevant to State Evaluation, as well as enabling focused and proactive conduct of some in-

field activities, notably complementary accesses. These opportunities could be lost if this task is not performed. With regard to challenges, the sheer volume of open source information requires careful cost-benefit analysis in the allocation of scarce human resources for information collection, processing, and analysis. Given existing IAU capabilities in use of open source information from news reports, S&T information offers a relatively high "pay-off" area for further development, in terms of the safeguards relevance, specificity, and reliability of information potentially available. If this task is not implemented, some potentially relevant safeguards information may not be collected, analyzed or integrated with other information available at the IAEA, while unnecessary effort may be expended in managing the sheer volume of available information. In a worst-case scenario, this could lead to failure to identify indicators in open source S&T information of undeclared nuclear materials or activities.

4. IAEA Proposed Work Outline

4.1 Major task stages with timing:

For the period of 24 months, the work plan will include:

- SCIM planning to sequence and integrate MSSP supporting activities, in coordination with nVision, SG Portal, and other Integrated Analysis tasks.

- MSSP provision of support in each of the four areas of the task, as outlined above:

- 1) provision of relevant S&T information;
- 2) several 2-4 week expert consultancies for guidance on methodologies and evaluation of software for S&T information management;
- 3) several 2-4 week expert consultancies on customization and training for any S&T software that may be selected;
- 4) one or two workshops on methodologies and tools to train SGIM and other SG staff in "best practices" in collection, analysis, and integration of S&T information to identifying possible indicators of undeclared nuclear activities or materials, in support of nuclear safeguards verification.

- IAU implementation of S&T information management via SG Portal, as developed through four areas listed above.

- Concluding review of task accomplishments, including "gap analysis" to identify and define measures to address any remaining needs in this area.

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

5.1 Suggested MSSPs: EC, FRA, RUS, UK, USA

5.2 Reason(s): Effective interactions with the above mentioned MSSPs in the area of open source information management and existing expertise.

5.3 To be approved by Committee: IPTC

5.4 Committee approval date: 2010-08-17

Comments:

6. Acceptance by MSSP(s)

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

Date accepted:

Agency Task ID:

RUS
UK
USA

Date of last update: 2010-08-19

Updated by: AGUILARA