REPORT TITLE

“INO_GATE Technical Secretariat & Integrated Programme in support of the Baku Initiative and the Eastern Partnership energy objectives”

Service Contract No. No 2011/278827

EVENT TITLE

Regional Seminar and Study Visit “Development of Harmonization Road Maps and Action Plans, and Capacity Building recommendations”

Date

8 - 11 July 2013
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1. Introduction

This Report examines Regional Seminar and Study Visit “Development of Harmonization Road Maps and Action Plans, and Capacity Building recommendations” on subcomponents B 2.2. and B.2.3 implemented under the EU funded project “INOGATE Technical Secretariat & Integrated Programme in support of the Baku Initiative and the Eastern Partnership energy objectives”. The event was implemented in London 8 - 11 July 2013. The main objectives of the Event:

• Present the final results of the study “Review of standardization and technical legislation systems of INOGATE partner countries”;

• Analyse the collected data on priority Gas and Electricity standards and validate them at national and regional level with participants;

• Clarify procedure of adoption for gas standards, which translations are owned by EASC Bureau of standards.

• Prepare concept of the Harmonization Road Map and the Action Plan;
• Present the project working plan for sub-component B2 for next six months;

• Discuss the main challenges faced by the PCs in transforming their standardisation framework from the old approach to a new EU approach, and to discuss possible solutions;

• Present European Union practices applied by NSBs from a Member State (the United Kingdom).

2. Preparation for the Event

The preparation of the event was broken down into the following tasks:

• Development of the concept note, thematic agenda and selection of the speakers for the event

• Engagement of the speakers and guide/coordinate the speakers through to arrange their presentation content so as to be coherent and fulfill the objectives of the event

• Preparation of the evaluation reports

• Development editing and translation of the presentations and questionnaires which will be handed out to the participants

More specifically, the specific objectives of the event were:

• Presentation of the project Work Plan for sub-component B2 Discussion of the fundamental principles under which the electricity markets work in the EU;

• The analysis of a current status with adoption of the European gas and electric standards.

• Definition of regional and national priority gas and electricity standards;

• Discussion on Procedure for the adoption of translated gas standards, property of the EASC Bureau of Standards. Transmission Model from EASC to NSBs;

• PCs discussion on results presented the study "Review of standardisation and technical legislation systems of INOGATE Partner Countries.

• Definition of stage of readiness of the PCs to harmonisation of electricity and gas standards;

• Presentation of Approach to the elaboration of the Road Map and the Action Plan. Role of TEG Standardisation;

• Presentation of Concept of the Road Map and the Action Plan;

• Acquaintance with BSI, BSI, a case study of a European NSB;

Study:

- Standards Market Analysis
- BSI's gas and electricity TCs
- Monetising Standardization
- International Technical Secretariats, how they function and how they're managed
- European Technical Committees;

Visits:

- Visit around BSI Headquarters facilities,
- Visit around the BSI Loughborough facilities

Consequently the event was aiming at the following results:

• The participants should have gained an understanding of the priority standards identified and an initial perception about the Harmonization Road Maps and Action Plans and the guidance these will provide;

• The participants should also have a clear understanding of the capacity building needs of their organisation

• The presentation of BSI (the British Standards Institution) as an example of NSB in European Union Member State;
3. Implementation of the Event

3.1 The event
The Regional Seminar and Study Visit took place on 8 - 11 July 2013 at the Holiday Inn - Kensington Forum, 97 Cromwell Road, London, SW7 4DN, The British Standards Institution, 389 Chiswick High Road, Chiswick, London, W4 4AL and the BSI Loughborough facilities, Holywell Park, Ashby Road, Loughborough, LE11 3AQ, United Kingdom
The agenda of the event could be seen from Annex 6.1

3.2 The participants
There were participants from the following nine countries: Armenia (3), Azerbaijan (3), Belarus (3), Georgia (3), Kazakhstan (2), Kyrgyzstan (2), Moldova (3), Ukraine (3), and Uzbekistan (3). Only Turkmenistan and) was not able to participate.
The list of participants of the event could be seen from Annex 6.2

4. Evaluation of the Event
The evaluation of the event and its impact has been performed using the questionnaires (which are presented in Appendix 6.3 A) and those were filled-in by the participants before and after the event. The evaluation aimed at:
- The assessment of the overall organisation of the event (presentations, logistics, hotel, etc.) as well as the usefulness & quality of each session.
- A self-assessment on the knowledge gained & an evaluation on the degree of covering priority needs of the participants by the contributions delivered in the event.

**Overall organisation evaluation**
An evaluation of the overall organisation of the event included the following components:

1) Organisational Aspects
- Overall Organisation
- Travel and visa support
- On-site organisation
- Quality of the hotel
- Study Visit

2) Quality of Sessions (selection of topics) for INOGATE seminar, study visit

3) Achievement of the INOGATE seminar’s objectives

The participants valued the organisation of the event highly, by giving excellent and very good ranks.
The summary of the evaluation results for all above mentioned components is presented in Appendix 6.3 (B). The Figure below presents an example of summary evaluation results concerning the Organisational part.
The results of the evaluation seem to be quite positive.

**Gained general and specific knowledge and priority needs evaluation**

The summary of the evaluation results for gained knowledge and priority needs is presented in Appendix 6.3 (C). The evaluation was performed against the general issues such as understanding of new procedure for adoption translated gas standards property of EASC Bureau of Standards, familiarity with the concept Road Maps and Action Plans, etc. And, against the specific issues, such as understanding of the strategy of marketing gas and electricity standards in their countries, understanding of the need of adopting European and international gas and/or electricity standards, knowledge about Technical Committees already set up. The evaluation shows that for the majority of the components assessed, the participants gained important knowledge and improved their understanding.

The following Figure presents an example of summary evaluation results concerning knowledge about the Road Map concept.

<table>
<thead>
<tr>
<th>Before event</th>
<th>After the event</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fully</strong></td>
<td><strong>Some</strong></td>
</tr>
<tr>
<td>13%</td>
<td>63%</td>
</tr>
<tr>
<td><strong>Fully</strong></td>
<td><strong>Some</strong></td>
</tr>
<tr>
<td>77%</td>
<td>15%</td>
</tr>
</tbody>
</table>

4.1 General comments

Presentations, questionnaires and other material for the round tables were prepared in advance. This along with the high qualifications of the translators helped the audience to understand the material presented.

Two questionnaires were sent to the PCs prior to the seminar allowing them to formulate their position. The questionnaires were prepared in a manner to stimulate the participants to think about the issues to the round table rather than to get their answers.

The third questionnaire was sent not to be filled in but to be discusses and it was a draft Questionnaire for the RM&AP. The discussion of the document before it was sent to the Partner Countries will result in reducing the time necessary to get answers.

A significant number of presentations from the Partner Countries produced keen interest of the participants. In the future such an exchange of experience is to be systemic.

A visit to the BSI and presentations by the lead specialists demonstrating both the achievements and the problems were of significant help to understand correctly the material presented.
4.2 Specific comments

The seminar participants approved the approach by the BSI which builds on the balance between the new knowledge and its practical application in order to fulfil the Project’s objectives; 
The use of round table approach with a time lag with the key presentation stimulated an active absorption of the material; 
The use of laptops made it possible to present both a significant volume of information to the participants and the experts’ approach to processing of the information submitted by the PCs. 
A request for the participants list with all the contact information is a sign that the TEG on Standardisation is transforming from a declarative into a working instrument of the Project. 
The participants represented the mid-level of specialists in their respective countries, but it is not sufficient to guarantee that the decisions will be put into practice. It is imperative to include the decision makers into the Working groups. The absence of decision makers in the delegations from the Customs Union member countries will likely require an additional visit to these Partner Countries to identify objectives for the RM&AP. 
The participants were content to get answers for most of their practical questions about the activities of the TC, which had been formulated during the previous event. And this practice of jointly defining goals of the planned events, we think, should continue. 
The participants asked to organize the work in such a manner so that they would comprehend the received information and put questions to a lecturer at a later stage; 
The meeting participants noted that the BSI mode of functioning differs from that one of the Partner Countries; 
To implement the best practices of the European NSBs and TCs it is imperative to conduct trainings dividing them into two levels – decision makers and doers in the Partner Countries.

5. Main issues addressed

Opening addresses

The need for harmonization (or it'd be more accurate to say - the introduction) of the international and European standards in the INOGATE Partner-countries logically emerges from the global challenge of convergence of their markets with the market of the European Union. Harmonization of standards is essentially the backbone process of the transition of the industry to the new functioning platform. 
The first stage of such a global process is to introduce all market participants to the new standards. To implement this stage, the INOGATE Programme has launched three Projects:

- “Harmonisation of standards in electricity sector”,
- “Harmonisation of technical standards and practices in gas sector of Central Asian countries”,
- “Harmonisation of technical standards and practices of oil and gas sector in Eastern Europe and Caucasus”.

The first two projects used the traditional approach of the INOGATE Programme based on seminars. Such a passive approach did not support reaching the objective – formation of understanding by the Partner Countries of the need to apply European gas and electricity standards. 
The Project “Harmonisation of technical standards and practices of oil and gas sector in Eastern Europe and Caucasus” used a proactive approach in harmonizing the gas standards. This approach was based on engaging specialists from the gas companies into the translation of the standards. Each country established coordination (working) groups on Standardisation, finding a balance between decision makers and mid-level specialist, those who do practical work. 
The fundamental problem these two projects failed to solve was to honour the copy rights when disseminating the standards and their translations. Then the structure of the standardization systems in the Partner Countries did not allow all these countries to harmonise European gas standards, even being EASC members. The EASC had agreements with all the international standardisation organisations. That was why the potential of this regional organisation was utilised. 
In the current Project the objective is not only to translate the standards, but also to create conditions for their sustainable application and utilisation by the Partner Countries. This requires a study of the standardisation systems in
the PCs, identification of the disconnection with European practice and development of a Road Map and Standardisation Action Plan.

**Session 1: Definition of regional and national priority gas and electricity standards**

The overarching objective of Subcomponent B2 is the creation of conditions for application of European and international Gas and Electricity standards in the INOGATE Partner Countries. According to the ToR the process of harmonisation should be aimed at adoption of the standards on the List of generally applied Energy Community standards:

- GENERALLY APPLICABLE STANDARDS – NATURAL GAS – №: MC2/4-3/04-04-07ECS
- GENERALLY APPLICABLE STANDARDS – ELECTRICITY – № MC2/4-2/21-05-07ECS.

Document «GENERALLY APPLICABLE STANDARDS - ELECTRICITY» was prepared in 2007 and since then it has not been updated. In order to monitor the current status on harmonisation of standards and to identify priority it was necessary to update the document and add the valid standards.

The List of gas standards for the Partner Countries to monitor the status in implementation of the standards and their priorities was prepared on the basis of 3 documents:

- Document by the Energy Community «GENERALLY APPLICABLE STANDARDS – NATURAL GAS»
- MARCOGAZ List «EN and ISO standards applied for European gas infrastructure»
- List of priority gas standards by the Project “Harmonisation of technical standards and practices of oil and gas sector in Eastern Europe and Caucasus”.

The processing of the data on electricity standards received from the Partner Countries (Annex 6.4A) gave the following results:

- In terms of adopting European electricity standards, the INOGATE PCs are divided into 2 groups: (a) neighbours (Moldova, Ukraine and Belarus) and (b) Caucasian and Central Asian countries.
- Moldova and Ukraine, signatories to the Energy Community Treaty, are responsibly fulfilling their obligations. Judging by the quantity of the standards planned for adoption within next several years, these countries could adopt all the required electricity standards. For these countries it is essential to ensure the participation of their respective TCs in the development of new standards.
- The table (See Annex6.5) shows that Georgia and Armenia’s aspiration to join the Energy Community is not supported by the activities in the area of standardisation of standards.
- Thus, for the Caucasian and Central Asian countries it is imperative to develop a Strategy for harmonisation of electricity standards similar to the one prepared for the gas standards 5 years ago.

**Identification of Priority standards (regional aspect).**

9 Partner Countries took part in the questionnaire. A standard is considered a priority, if 5 and more countries voted for it. The results were as follows:

- Priority standards - 91.
- 31 standards (out of 91) were favoured by 7 and more countries.
- And 5 standards were voted for by 8 and more countries.

The allocation of these standards between different fields is as follows:

<table>
<thead>
<tr>
<th>№</th>
<th>Standards Groups</th>
<th>Σ</th>
<th>5</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Equipment supplies to power plants</td>
<td>39</td>
<td>11</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>Standard voltages, currents and frequencies</td>
<td>5</td>
<td>4</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>4</td>
<td>Measurements</td>
<td>9</td>
<td>9</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>Specification and requirements to equipment</td>
<td>187</td>
<td>56</td>
<td>19</td>
<td>5</td>
</tr>
</tbody>
</table>
As a result of the round table discussions and by the decision of the PCs the Standard Group “Safety of machinery” was excluded from the List of priority standards.

The processing of the data on the gas standards received from the PCs (Annex 6.4) gave the following results:

- Identified Priority gas standards;
- Confirmed the right choice by the previous INOGATE Project of standards to be translated;
- Showed the need to engage both gas transport and gas producing companies in the questionnaire.
- The highest number of standards (out of 142 standards selected for harmonisation) were adopted in Georgia, Moldova, Kazakhstan, Belarus and Ukraine. The rest PCs practically have yet to start working on harmonisation (Annex 6.5).

Identification of Priority standards (regional aspect).

10 Partner Countries took part in the questionnaire. A standard is considered a priority, if 5 and more countries voted for it. The results are as follows:

- Priority standards – 50, 46 out of them are translated in the framework of INOGATE Project “Harmonisation of Oil and Gas Standards”
- Out of that number 23 standards were voted for by 7 and more countries. All these standards have been translated.
- 8 and more countries voted for 15 standards. All these standards have been translated.

These standards are distributed among the key gas TCs in the following manner:

<table>
<thead>
<tr>
<th>TC</th>
<th>Translated</th>
<th>5</th>
<th>7</th>
<th>8</th>
<th>Adopted as IsS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEN 234</td>
<td>12</td>
<td>12</td>
<td>10</td>
<td>7</td>
<td>5</td>
</tr>
<tr>
<td>CEN 237</td>
<td>5</td>
<td>5</td>
<td>2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>CEN 238</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>CEN 219</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CEN 12/ISO67</td>
<td>9</td>
<td>9</td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>ISO193/CEN SS N21</td>
<td>14</td>
<td>14</td>
<td>10</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>ISO 30</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ISO158</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>46</td>
<td>46</td>
<td>23</td>
<td>15</td>
<td>12</td>
</tr>
</tbody>
</table>

- 12 standards were translated in the framework of the INOGATE project “Harmonisation of Oil and Gas Standards and Practices in Eastern Europe and the Caucasus”, submitted by the Standard Bureau of the Eurasian Standardisation Counsel (EASC) with the usage of electronic voting system (EVS) (presently this system is no longer used because the automated information system (AIS) and adopted by the EASC in 2010-2012 as interstate (regional) standards, 1 of them is handed over to the countries beneficiaries, and 11 are under publishing editing by the Belarusian State Standardisation and Certification Institute, and in the near future will be handed over to the associated countries;

- The discussions showed that the PCs are interested in the international and national application of most of the remaining translations (in the form of draft interstate standards);
• Currently the Standards Bureau has no possibility to continue the work on submitting the remaining translations for adoption as Interstate standards under the conditions of meeting rigid CEN rules to the application and dissemination of European standards;
• The EASC Standards Bureau is ready to hand over the remaining translations to the NSBs of the INOGATE Partner Countries upon their requests, which should include the guarantee that the copy rights of application and dissemination of European standards set out by CEN-CENELEC Guide 10 “Guidelines for the distribution and sales on CEN_CENELEC publications”;
• “Ukrtransgas” presented its vision of the harmonisation of gas standards. Minimum 9 standards already translated by the previous INOGATE project were included into the 2013 Standardisation Plan of Ukraine. These standards are distributed between 2 national TCs which commenced work on their adoption in Ukraine.

Key issues on presentations: Session 1

**Question KG, Gulsara Kasymova**
Question about standards in distribution companies. Standards for gas meters.

**VP answer:** this is a question for low pressure standards. We have these standards in priority lists but countries did not vote for them. There is a difference in understanding of low pressure in Europe and in Central Asia.

**Question AM, Hrachik Tsughunyan**
Question about electricity standards – we need to select priority standards, same work as we did for gas standards. Previous INOGATE project proposed only 2 electricity standards for harmonisation.

**VP answer:** we did the work, we have 2 tables of regional priority standards. We have 5 priority electricity standards. Hopefully we will translate them into Russian. By the end of the year we will try to get the electricity table to the level of gas table.

**Question BY, Vassiliy Anokhin**
Final Texts of gas standards

**VP answer:** sense of standards did not change.

**Question UZ, Eso Sadullayev**
If the country does not vote, the country will not receive standards

**VP answer:** EASC rule, other regional organisations: Copyright. You will not receive standards if you do not vote. EASC rule, not INOGATE rule.

**Question AZ, Namiq Taghiyev**
Without seeing a standard, it is impossible to vote for it. Without voting for it, it is impossible to receive it. Chicken-egg problem.

**VP answer:** translations of gas standards are not ideal but they are quite good to work with.

**Question KG, Gulsara Kasymova**
What a country needs to do so that you can come?

**VP answer:** my 3 following presentations will answer your question, Gulsara.

**Question KG, Gulsara Kasymova**
Question about funding of harmonisation of standards. How to co-operate with international TCs? INOGATE PC NSBs should have access to European standards free of charge.
NS answer: national interests should be defended before adoption of regional standards, not after. This is economically viable. CEN is now considering the question of a regional license for EASC.

Question AZ, Namiq Taghiyev
Contract EASC-NSB?

NS answer: old agreement between CEN and EASC (facilitated by INOGATE, Copyright belongs to EASC). Contract EASC-NSB is one of the possible forms to guarantee EASC obligations before CEN.

Question AM, Hrachik Tsughunyan
We are being forced into Customs Union. We participated in various EU programmes, where should we go now? EASC must do economic calculations.

NS answer: EASC Bureau of Standards has no resources. Customs Union technical regulations are very close to European technical regulations.

Question GE
A copy of the contract, it would be useful for us to see

NS answer: Georgia’s interest in welcome.

Question AZ, Namiq Taghiyev, about Money to CEN?

NS answer: we do not ask for any money if you use inter-state standards. EASC standards can be used by NSBs.

Results on voting using the questionnaire for the round table (Annex 6.6)

Chapter: Electricity standards
1. AZ considering, AM Yes, BEL Yes but need to add RES, KG Yes, KZ Yes, MD considering, GE Yes, UA Yes, TJ Yes, UZ Yes.
2. ARM Yes AZB No BEL Yes GEO Yes KAZ No KGZ Yes MLD Yes TJK No UKR Yes UZB Yes
3. AM AZGE KZ KG MD TJ UZ-No: UA and BY-Yes
4. AM Yes AZB-No BEL 1 TC + Bel GEO, GE-Yes KZ Yes KG-no MD Yes TJK-yes UA-Yes UZ Yes 5. ARM AZB, BEL, GEO, KAZ, KGZ, MLD, TJK, UKR, UZB
6. ARM, AZB, BEL, GEO, KAZ, KGZ, MLD, TJK, UKR, UZB

Georgia: our problem is implementation, not adoption. INOGATE, please organise seminars for industry. People are used to work with Soviet standards.

Chapter: Gas standards
1. ARM AZB BEL GEO KAZ KGZ MLD TJK UKR UZB in principal Yes, but may be other way
2. Moldova – joining CEN-CENELEC is dependent on finding money for membership.
3. AM- yes AZ-No BY- No GE-Yes KZ Yes (may be necessary a new SC) KG-No MD-No TJ-N0, UA-Yes UZ-Yes
4. seminars for industry.

Conclusions: Session 1
As a result of discussions of presentations and a round table discussion (Annex 6.5) the participants agreed on the following:

• To harmonise the electricity standards it is necessary to fulfil these stages:
Actualisation of the list of standards;
Identification of priority areas (groups of standards);
Identification of priority standards;
Evaluation of integrity (comprehensiveness of a task solution);
Solution to the issue of normative references;
Evaluation of regional cooperation potential
Legal analysis: available agreements with rights holders; possibilities to adopt standards without translation into the national language;
Translation of standards into Russian and its application for adoption of the standards using the reprinting (cover page) or a similar method.

• Recommendations on harmonisation of the electricity standards:
  o Proposition to start regional work with harmonisation of Series of Standards EN 62271, which has 38 standards, 28 out of them are marked as priority standards. These 10 standards are voted for by 7 and more PCs, and 5 standards are voted for by over 8 PCs.
  o Nationally, depending on the available resources it is imperative to harmonise the following groups of standards “Standard voltages, currents and frequencies”, “Measurements”, “Lightning protection” and “Equipment supplies to power plants”.

• Recommendations on harmonisation of European gas standards:
  o Partner Countries’ NSBs should refer to the EASC Standards Bureau following the procedure suggested by the Bureau and obtain the translations of gas standards (Annex 6.7.);
  o Adopt the gas standards applying the cover page or a similar method using the Russian translation as a reference annex.
  o Experts should visit DVGW and OEVGW as soon as possible to assess the potential of implementation by the PCs of the organisations’ standards

Session 2: Review of standardisation and technical legislation systems of INOGATE Partner Countries.

• Possibilities for adoption of international and European gas standards:
  o All the INOGATE PCs can adopt international standards ISO
  o AZ, AM, BY, GE, KG, KZ, MD and UA can adopt European standards CEN
  o TJ, TM and UZ cannot adopt standards CEN.
  o All the INOGATE PCs can adopt interstate standards EASC.

• Possibilities for adoption of European and international electricity standards:
  o All the INOGATE PCs can adopt international standards ISO;
  o AZ, AM, BY, GE, KG, KZ, MD and UA can adopt European standards CEN;
  o TJ, TM and UZ cannot adopt standards CEN;
  o AZ, KG, TJ, TM and UZ have no possibilities to adopt either European standards CENELEC or international standards IEC;
  o Only BY, GE, UA and KZ can adopt standards CENELEC;
  o All the INOGATE PCs can adopt interstate standards EASC.

• The National Secretariat has a full access to the databases of all European and international standards. Here it is worth noting that the access is open only when the membership fee is timely paid. Unfortunately, the membership fee payment remains a constant problem for all the INOGATE PCs and it is difficult to identify their current possibilities in obtaining the standards for their national adoption.

• National NCs do not actively participate in the European, international or interstate TCs.

Key Issues on Presentations: Session 2

UZ question: how do you control the market if you move towards voluntary standards? Ukraine is adopting European model of market surveillance.
NST answer: Mixed model, transition from old to new. Standards, laws, technical regulations.
New standard for poultry meat (no more than 4% of water), voluntary standard.
Mandatory certification is only for baby food.
Technical conditions need to be registered by regional centres of certification and metrology.
Standards work without tenders (President’s decree).

Answers to the questionnaire (Annex 6.6) for the round table
1. Does your Country have a possibility (right) to adopt ISO Standards? All PCs- Yes
2. Does your Country have a possibility (right) to adopt IEC Standards? AM-yes, AZ-No, BY-Yes, GE-Yes, KZ-Yes, KG-No, MD-Yes, TJ-Yes UA-Yes, UZ-?
3. Does your Country have a possibility to adopt CEN Standards? ? AM-yes, AZ-Yes, BY-Yes, GE-Yes, KZ-Yes, KG-No, MD-Yes, TJ-No UA-Yes, UZ-Yes(?)
4. Does your Country have a possibility to adopt CENELEC Standards? ? AM-No, AZ-No, BY-Yes, GE-Yes, KZ-No(?) KG-No, MD-Yes, TJ-Yes UA-Yes, UZ-?
5. May your Country adopt international Standards in the original language by applying the cover page method or any similar method without translation into another language? AM-yes, AZ-No, BY-Yes, GE-Yes, KZ-No, KG-No, MD-Yes, TJ-No UA-Yes, UZ-Yes
6. May your Country adopt international Standards by applying the cover page method or any other similar method using a Russian translation of the Standard-Yes d as a reference? AM-yes, AZ-No, BY-Yes, GE-No, KZ-Yes, KG-Yes, MD-Yes, TJ-Yes UA-Yes, UZ-?
7. Is your organisation interested in obtaining Russian translations of the standards? All PCs- Yes
8. Do you favour obtaining of the Gas standards that are translated by the INOGATE Programme through signing an agreement on transferring translations of the standards from the EASC to the NSB in your Country? AM-yes, AZ-No(directly transmission), BY-Yes, GE-No(directly transmission), KZ-Yes, KG-No, MD-Yes(directly transmission), TJ-Yes UA-Yes, UZ-No(directly transmission)
9. Are you aware of the obligation of the NSB to nationally adopt the translated standards arising after the NSB obtains the translation from the EASC? AM-yes, AZ-Yes(after TC approval), BY-Yes, GE-no, KZ-?, KG-No, MD-Yes, TJ-Yes UA-Yes, UZ-Yes
10. Do you think it makes sense to establish a Gas TC in your Country? AM-yes, AZ-Yes, BY-Yes, GE-Yes, KZ-?, KG-Yes, MD-Yes, TJ-Yes UA-has, UZ-?
11. Do you think it makes sense to establish an Electricity TC in your country? AM-has, AZ-yes, BY-Yes, GE-Yes, KZ-Yes, KG-Yes, MD-Yes, TJ-Yes UA-yes, UZ-Yes

Conclusions: Session 2
- The Partner Counties should establish official relations with the rights holders of priority standards;
- To get the Project’s assistance in the harmonisation of standards the Partner Countries should ensure the adoption of the standards without translation into the national languages and using only the original text of a standard and, if necessary, the Russian translation as the reference annex.

Session 3: Development Road Map and Action Plan
- Our approach is «a partnership oriented on the result». Practically, it means a joint development together with a Country-beneficiary of a plan how to implement it. The first step is the creation of the network in which each national unit should include all the stakeholders and find a balance between the decision makers and implementers.
- The TEG should:
  - Represent all the interested parties, that requires an increase in Committee’s members
  - Engage all the participants entitled to make decisions on behalf of their organisations
  - Be a forerunner of future European-style Technical Committees (TC)
- In each Partner Countries 2 working meetings are planned. The first one when developing a basic proposal or Road Map and Action Plan drafts. The second one when discussing the final documents.
- Overarching Goal (Top Priority) is creation of conditions for adopting and implementing European and international Gas and Electricity standards in the INOGATE Partner Countries.
- Tactical Goals:
Evaluation of the real state of play in the systems of Standardisation and Technical Regulation in Partner Countries and detection of the key breaks with the European practice
- Identification of the Country’s priority Gas and Electricity standards and the state of play with their harmonization
- Identification of essential needs of PCs in creation and improvement if efficiency of the TCs as key elements in the Programme of Improvement of NSB’s efficiency as a whole
- Development of an effective tool of obtaining European standards, translation and dissemination of the translations of standards in the INOGATE Partner Countries to speed up their adoption

Key issues and comments on presentations: Session 2:

Question AZ, Ramiz Rzayev
18 months left – little results. When we will do RM?

VP answer: change of approach, we will work “from ground to up”. TEG Standardisation, we have good analytical information. GE – ready, UA – ready, MD – ready. VP will visit countries when they will be ready.

Question AZ, Ramiz Rzayev
We need to accelerate the development of Road Maps & Action Plans

VP answer: I agree

Nikos Tsakalidis
How to approve RM?

VP: let’s create good RM first

AZ, Namiq Taghiyev
Exchange of information
AZ Integration into World and European economy, interested in harmonisation

GE Interested
Indicators for different countries will be different

Results of ROUND TABLE – PC discussion on Road Maps and Action Plans (see. Annex 6.6)

- AZ supports RM
- AM supports RM
- GE supports RM
- BY participates in Customs Union, Russia doesn’t participate in INOGATE
- Belarus is a member of international organisations but Risk – what will Russia say?
- UZ Political will OK, question about implementation, no problem with adoption
- UA supports RM. Today Ernst &Young develops recommendations for reform of oil and gas sector.
- KG supports RM.
- KZ same as BY
- MD supports RM
- TJ supports RM

The proposed questionnaire may be taken as the basis, but it needs adding the questions regarding the transfer of experience in application of standards in the EU.

Conclusions: Session 2
- It is necessary to ensure the implementation of the following key principles:
  - Joint identification of the target indications for the Road Map.
  - Development of the Road Map by the TEG and Project’s experts.
Development of the Action Plan which incorporates both the country’s efforts and Project’s assistance. All the AHEF should aim to implement the Action Plan.

- Based on the results of discussions it is possible to divide the PCs into 3 groups:
  - First group (advanced) includes the PCs that are objectively ready to adopt European and international standards. These PCs expressed a desire to get assistance in the development of the Road Maps and Action Plans. Armenia, Azerbaijan, Georgia, Moldova and Ukraine belong to this group.
  - Second group (Base) includes Kyrgyzstan, Tajikistan and Uzbekistan that are the countries not objectively ready to adopt European and international standards. These countries expressed a desire to get assistance in the development of the Road Maps and Action Plans. But it is likely to require two stages: the preparatory and main stages. Following the completion of the Preparatory stage it would be necessary to adopt a revised Road Map and Action Plan.
  - Third group consists of the Customs Union member countries - Belarus and Kazakhstan. These Partner Countries will need a political sanction to develop a Road Map and Action Plan.

- For the first group of the Partner Countries a Road Map and Action Plan are under development the objective of which is to reach the most of the key indicators.
- For the second group of Partner Countries a Road Map and Action Plan will cover the preparatory stage: capacity building enabling the NSBs to start adopting harmonized international standards.
- For the third group of Partner Countries and Turkmenistan it is possible to prepare a special document, e.g. a Memorandum of Understanding which would define the scope of required technical assistance for a country.

Session 4: BSI, a case study of a European NSB

Session 5: BSI Headquarters and BSI Loughborough Laboratories

Session 6: Wrap-up and conclusions
Most of the Partner Countries (excluding the Customs Union member states) are ready to apply electricity and gas standards. The Partner Countries are ready to actively participate in the development of the Road Maps and Action Plans, but regard the proposed timeframe as overoptimistic. The Partner Countries are advised to strengthen their TEGs on Standardisation with the respective national/local experts.

6. Annexes

6.1 Agenda
The Agenda of the event could be seen from the INOGATE web portal http://www.inogate.org/index.php?option=com_inogate&view=activity&layout=documents&pid=72&cid=251&Itemid=75&lang=en

6.2 List of participants
The List of Participants of the event could be seen from the INOGATE web portal (http://www.inogate.org/index.php?option=com_inogate&view=activity&layout=documents&pid=72&cid=251&Itemid=75&lang=en)
6.3 Questionnaires and evaluation tables (A, B & C)

6.4 Priority Standards Tables
The Electricity Priority Standards Table Annex 6.4A and the Gas Priority Standards Table Annex 6.4B.

6.5 Presentations
The main presentations of the event could be seen from the INOGATE web portal http://www.inogate.org/index.php?option=com_inogate&view=activity&layout=documents&pid=72&cid=251&Itemid=75&lang=en

6.6 Material from the Round Table

6.7 Letter from the Standards Bureau of the EASC
Uploaded in the INOGATE site only for the internal use

6.8 Photos
The photos of the event could be seen from the INOGATE web portal (http://www.inogate.org/index.php?option=com_inogate&view=activity&layout=documents&pid=72&cid=251&Itemid=75&lang=en)