**IRA2012/06/01  
Expert Mission on management and maintaining design basis information through NPP life cycle**

**Iran, Islamic Republic of, Tehran  
16 – 19 May 2015**

**List of Participants**

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| **1** | **IAEA** | **Mr Vitalii Kolomiiets** International Atomic Energy Agency Department of Nuclear Energy  Nuclear Knowledge Management Section  A2447  P.O. Box 100, Vienna International Centre  Wagramer Straße 5 1400 Vienna AUSTRIA  Tel.: 0043 1 2600 26730 Fax: 0043 1 26007 EMail: [V.Kolomiiets@iaea.org](Mailto:V.Kolomiiets@iaea.org) Internet: <http://www.iaea.org> | **Purpose of Travel:** To lead the mission and provide technical input on management and maintenance of design basis information through NPP life cycle and with explicit reference to NPPD's contract for Bushehr's two new pressurized light water reactors |
| **2** | **Bulgaria** | **Mr Lyubomir PIRONKOV** GK-1, Bl.15, Ap. 11 3320 Kozloduy BULGARIA  Tel.: 35997372310 EMail: [lipironkov@npp.bg](Mailto:lipironkov@npp.bg) | **Duties of Experts:** As an IAEA IEX team member, and with explicit reference to NPPD's contract for Bushehr's two new pressurized light water reactors, to support and contribute to the coordination of activities of the IRAN NPPD organization in design knowledge management and to analyse current situation in the area of DKM to support and advise on (as part of experts' team) the development of taxonomy of DBI needed to be preserved and which can be used as basis or part of plant information system.  Taxonomy should include artefacts of DBI needed for safe operation and future LTO (Safety requirements, PSR elements, Start-up and Equipment tests results, Design specification and drawings. Artefacts of DKM can includes:• A detailed understanding of why the design is as it is.• The experimental and research knowledge on which the design is based.• The design inputs such as basic functional requirements, performance requirements, safety goals and safety principles, applicable codes, standards and regulatory requirements, design conditions, loads such as seismic loads, interface requirements, etc. • The design outputs such as specifications, design limits, operating limits, safety limits, failure or fitness for service criteria.• A detailed knowledge of the design calculations which demonstrate the adequacy of the design and the ability to reproduce the design calculations if needed.• An understanding of the inspections, analysis, testing, computer code validation, and acceptance criteria used by participating design organizations to verify that the design output meets the design requirements.• The assumptions made in all the steps above, including assumptions related to operating modes or procedures, expected life history such as changes in fluency, expected transients, etc.• The implications of operating experience on the design.  **Qualifications of Experts:** Practical experience in NPP operation, LTO, IS development, DK/DBI management. |
| **3** | **Russian Federation** | **Mr Sergei Popov** National Nuclear Energy Generating Company "Energoatom" ; Vetrova str 3 02032 Kyiv, UKRAINE  Fax: 00380 44 2777975 EMail: [s.popov@direkcy.atom.gov.ua](mailto:s.popov@direkcy.atom.gov.ua) |