

**JOB DESCRIPTION**

**IAEA TECHNICAL COOPERATION EXPERT MISSION**

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| **PROJECT NUMBER**: | | IRA2013 | |
| **PROJECT TITLE**: | | Enhancing the Level of Operational Safety and Reliability of the Bushehr Nuclear Power Plant-1 | |
| **EVENT NUMBER**: | | EVT1903190 | |
| **EVENT TITLE**: | | TC Expert Mission on Assessment of the RPV neutron irradiation embrittlement, analysis of RPV surveillance specimens mechanical tests and Strength of Reactor Coolant Systems | |
| **EVENT PURPOSE**: | | The purpose of the event is to create and present presentations and attend round table discussions for the following topics as part of the EM - Strength Analysis of Reactor Coolant Systems. | |
| **EXPERT NAME:** | | Mr Oleksandr Viktorovich Trygubenko  Senior Engineer  SD “ Scientific and Technical Centre ” SE “NNEGC  ENERGOATOM”  Tel: +380 97 101 71 85 E-mail: trygubenko\_ol@ukr.net | |
| **COUNTERPART**(**S**) **AND CONTACT DETAILS**: | | Mr. Alireza Shokoohi  Nuclear Power Production and Development Company of Iran,  P.O. Box 14155-4494,  No. 7 Tandis St.; Africa Ave,  TEHRAN 19156,  IRAN, ISLAMIC REPUBLIC OF  E-mail:shokoohi@nppd.co.ir | |
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| **DUTY STATION**(**S**): | | Tehran, Iran | |
| **DUTY PERIOD**: | | Start date: 2019-09-14  End date: 2019-09-18 | |
| **DUTIES**: | | Create and present presentations and attend round table discussions for the following topics as part of the EM Strength Analysis of Reactor Coolant Systems:  - Embrittlement correlation method: Russian version;  - Effects of irradiation on fracture toughness;  - Fracture toughness versus Charpy impact energy;  - Embrittlement correlation method: Western version;  - Assessment of the RPV neutron embrittlement;  - Determination of based on Russian approach and establishment of unified curve;  - Application of surveillance specimen test results in RPV integrity and life assessment; | |
| **EXPERIENCE**: | | Master Degree, Nuclear Power Engineering speciality, Diploma specialization: Research Engineer. Specialization: surveillance-specimens of WWER reactor pressure vessel metal testing, experimental results analysis, reactor vessel lifetime assessment based on surveillance-specimens test data. | |
| **REQUIRED LANGUAGE**(**S**): | | ENGLISH | |
| **BACKGROUND PROJECT INFORMATION**: | | To enhance the owner's capabilities towards the safe and reliable operation and maintenance of Bushehr NPP-1. | |
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