

**JOB DESCRIPTION**

**IAEA TECHNICAL COOPERATION EXPERT MISSION**

|  |  |
| --- | --- |
| **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 TrygubenkoSenior EngineerSD “ Scientific and Technical Centre ” SE “NNEGCENERGOATOM”Tel: +380 97 101 71 85E-mail: trygubenko\_ol@ukr.net |
| **COUNTERPART**(**S**) **AND CONTACT DETAILS**: | Mr. Alireza ShokoohiNuclear Power Production and Development Company of Iran,P.O. Box 14155-4494, No. 7 Tandis St.; Africa Ave, TEHRAN 19156,IRAN, ISLAMIC REPUBLIC OFE-mail:shokoohi@nppd.co.ir |
|  |
| **DUTY STATION**(**S**): | Tehran, Iran |
| **DUTY PERIOD**: | Start date: 2019-09-14End 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. |
|  |  |