**Workshop on the Implementation of Ageing Management Programme for Bushehr Nuclear Power Plant, 11-13 February 2017**

**Tentative Agenda**

|  |  |  |
| --- | --- | --- |
| **Day**  | **Scope of works**  | **Responsibility** |
| **Day 1** | **Sunday 11, February**  |
| 09:30-10:00 | Give a briefing on Workshop * Purpose
* Introduction of an experts, Participants
* Workshop programme including scope and contents
 | IAEA, Kang |
| 10:00-11:00  | National Experience Presentation from NPPD, Iran* BNPP status
* Ageing Management future planning
* Maintenance and in-service inspection
* Issues to start the ageing management programme(AMP)
 | NPPD, BNPPM.Ghods |
| 11:00-11:15 | Coffee break & Discussion |  |
| 11:15-12:15 | How to start Ageing management programme (AMP)* General AMPs structure
* Plant Specific AMPs
* Establishment of new AMPs
* How to improve the existing AMPs if possible
* Hot to review of an effectiveness for the existing AMP if possible
 | Korea, J. J. Kwon |
| 12:15-13:30 | Lunch break |  |
| 13:30-14:45 | Ageing management in Slovenske Elektrarne (SE)* IAEA & NRA legislation
* Documentation
* AM process
* AMP of Reactor Pressure Vessel
* Low Fatigue monitoring on main SSC
 | Slovakia, L. Kupca |
| 14:45-15:00 | Coffee break & Discussion |  |
| 15:00-16:15 | Implementation of AMP based on Korea Hyd. Nuclear Power (KHNP) Licensing Renewal practices* Organization and functional structure of aging management team
* Responsibilities and experiences of implementation and main task of aging management team
* Work methodologies
* Operation of committee for internal communication among related teams
 | Korea, J. J. Kwon |
| 16:15-17:00 | Discussion on the results of daily topics * Scoping and screening methodology of Structure and Component
* Plant level scoping
* Scoping and screening : Mech., Structure, Elec
 | Kang, Kupca, and Kwon, Ghods |
| **Day 2** | **Monday 12, February**  |
| 09:00-10:00 | IAEA activities on plant life management, * Ageing management programme
* Ageing management and Material degradation
* Ageing management handbook
 | IAEA, Kang |
| 10:00-11:00 | How to start Ageing management programme (select two examples)* Preparation of ageing management programme for Rector Pressure Vessel
* Preparation of ageing management programme for Buried piping
 | Korea, J. J. Kwon |
| 11:00-11:15 | Coffee break & Discussion |  |
| 11:15-12:15 | Ageing degradation at WWERs* Potential ageing degradation; effects
* Effects of ageing degradation at WWER 440s
* Ageing Management Programs and In-service Inspection
 | Slovakia, L. Kupca |
| 12:15-13:30 | Lunch break |  |
| 13:30-14:45 | Time limited ageing analysis (FAC, SCC, Fatigue)* RPV neutron embrittlement
* Metal fatigue
* Equipment qualification on elec. equipment
* Containment fatigue
 | Korea, J. J. Kwon |
| 14:45-15:00 | Coffee break & Discussion |  |
| 15:00-16:15 | Ageing Management Program for Flow accelerated corrosion* FAC at Bohunice NPPs
* Secondary pipelines FAC
 | Slovakia, L. Kupca |
| 16:15-17:00 | Discussion on the results of daily topics  | Kang, Kupca, and Kwon, Ghods |

|  |  |  |
| --- | --- | --- |
| **Day 3** | **Wednesday, 3 June** |  |
| 09:00-10:15 | Case study for experimental methods and techniques * Surface sampling
* Non-destructive metallography (in-situ” metallography)
 | Slovakia, L. Kupca |
| 10:15-11:30 | Example of Ageing Management Progrmame * Mech, Electric and Civil
 | Kang, Kupca, and Kwon,  |
| 11:30-11:45 | Coffee break |  |
| 11:45-12:30 | Summary* Closing mission and discussion on future activities
* 4th nuclear power plant life management
 | Kang, Kupca, and Kwon, Ghods |