**Preliminary agenda for IRA2013/06/01 Expert Mission:
*Methods for Gamma Spectrometry Analysis of Primary Circuit Samples and On & Off-Site Environmental Samples***

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| **Time** | **Topic** | **Responsible** |
| Saturday 3rd of December |  |
| 09:00 – 09:10 | Welcome (Opening) |  |
| 09:10 – 09:30 | Summary Presentation about offsite Radiological monitoring program(Introductory meeting) | Head of environmental protection and monitoring laboratory |
| 09:30 – 09:50 | Summary Presentation about onsite Radiological monitoring program(Introductory meeting) | Head of Radiation protection management |
| 09:50 – 10:00 | *Coffee break* |  |
| 10:00 – 12:10 | Tour of offsite laboratory facilities and demonstration of existing methods | Counterpart / Experts |
| *12:10 – 13:30* | *Lunch* |  |
| 13:30 – 14:00 | Whole body counter |  |
| *14:00 – 16:00* | Tour of onsite laboratory facilities and demonstration of existing methods | Counterpart / Experts |
| Sunday 4th of December |  |
| 09:00 – 09:20 | overview of training agenda |  |
| 09:20 – 10:50 | Repetition of basic theory of gamma spectrometry | Jószef Csurgai |
| *10:50 – 11:10* | *Coffee break* |  |
| 11:10 – 12:10 | Connection and adjustment of the detector acquisition chain | Pavol Chylý |
| *12:10 – 13:10* | *Lunch* |  |
| 13:10 – 14:40 | Detector Quality Control (QC) and instrument troubleshooting | Pavol Chylý |
| *14:40 – 15:00* | *Coffee break* |  |
| 15:00 – 16:30 | Practical exercises  | Experts |
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| Monday 5th of December |  |
| 09:00 – 10:40 | Analysis of primary and secondary circuit samples by gamma-ray spectrometry | Jószef Csurgai |
| *10:40 – 11:00* | *Coffee break* |  |
| 11:00 – 12:00 | On-line measurements of gamma emitting radionuclides | Pavol Chylý |
| *12:00 – 13:00* | *Lunch* |  |
| 13:00 – 14:00 | Sampling and analysis of on-site dust samples | Jószef Csurgai |
| 14:00 – 14:40 | Uncertainty estimation in gamma spectrometry | Alexander Mauring |
| *14:40 – 15:00* | *Coffee break*  |  |
| 15:00 – 16:15 | Uncertainty estimation continuedCalculation of MDA | Alexander Mauring |
| Tuesday 6th of December |  |
| 09:00 – 10:25 | Off-site monitoring and analysis of environmental samples by gamma spectrometry: Designing a sampling programme, radionuclides of interest, calibration procedures, necessary corrections. | Pavol Chylý |
| *10:25 – 10:45* | *Coffee break* |  |
| 10:45 – 11:45 | Off-site monitoring and analysis continued. | Pavol Chylý |
| 11:45 – 12:15 | Demonstration of available software tools for efficiency corrections | Alexander Mauring |
| *12:15 – 13:15* | *Lunch* |  |
| 13:15 – 14:40 | Analysis of NORM by gamma spectrometry | Alexander Mauring |
| *14:40 – 15:00* | *Coffee break* |  |
| 15:00 – 16:30 | Analysis of NORM by gamma spectrometry continuedPractical exercises | Alexander MauringExperts |
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| Wednesday 7th of December |  |
| 09:00 – 10:20 | Sampling and analysis of H-3, C-14 and Sr-90 | Jószef Csurgai |
| *10:20 – 10:40* | *Coffee break* |  |
| 10:40 – 11:15 | Sampling and analysis of H-3, C-14 and Sr-90 continued | Jószef Csurgai |
| 11:15 – 12:15 | Catch up on lectures / practical exercises | Experts |
| *12:15 – 13:15* | *Lunch* |  |
| 13:15 – 14:00 | Practical exercises | Experts |
| 14:00 – 14:40 | Expert panel – general Q&A | Counterpart / Experts |
| *14:40 – 15:00* | *Coffee break* |  |
| 15:00 – 15:40 | Discussion of topics of interest for future missions | Counterpart / Experts |
| 15:40 – 16:00 | Conclusions and closing of the training mission | Alexander Mauring |
| Evening | Experts depart Bushehr |  |