# Attachment 13.

Subject: Plant Life Management and Ageing Management Programs

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**UJV offer**

Mr. Kadecka introduced Division of Integrity and Technical Engineering (DITI). Standards used by UJV (namely VERLIFE) and relation to IAEA recommendations as well as UJV participation in IAEA activities were discussed. A relation of UJV to VVER regulator group was explained. WENRA meeting and SALTO seminar in Iran in 2017 was brought up.

UJV presented its approach to Plant Life Management (PLIM) incl. references. UJV offers to develop PLIM Program tailored for NPPD/TAVANA.

* Elaborate methodology or provide a support for elaboration of methodologies incl. scoping of components, basic screening, classifications (active-passive components, safety classes, etc.), Ageing Management Review (AMR), Time Limited Ageing Analyses (TLAAs), Periodic Safety Reviews (PSR), etc. Used approach is fully compliant with IAEA recommendations, but it is optimized for operator to fit local condition.
* Complete performance of above listed components of PLIM Program.
* Perform AMR based on all sources relevant for VVER fleet incl. iGALL, GALL, recent research programs, etc. Provide software support for AMR.
* Develop AMPs using component and/or specific approach, comprehensive list of particular AMPs was provided in the presentation.
* UJV offer trainings on PLIM and AMP for VVERs; AM Review, specific AMPs
* UJV propose to develop Software supporting AMR and PLIM, LTO economical study, different AM Programs
* UJV offers support in environmental qualification of equipment.

**Customer position**

1. NPPD/TAVANA is interested in consultancy services for development of the PLIM from scratch to full implemented program or for validation of the TAVANA activities..
2. NPPD/TAVANA is interested in LTO for Research reactors.

**Next steps**

1. NPPD/TAVANA will provide list of AMPs and scopes of UJV work for preparation of particular offers.
2. NPPD/TAVANA will send the list of documents which provided by TAVANA, for validating and approval.
3. UJV Co. will provide the proposal for consultancy services to validate the TAVANA Co. activities in Ageing management and PLiM program development implementation of BNPP-1.