**WANO MOSCOW CENTRE ACTION PLAN-2017 - NAVIGATOR**

**(for management review of Governing Board)**

1. **reviewed:**
	1. **draft version of strategy for realization of WANO programm, most important areas:**
		1. **information exchange and support members**
		2. **trend monitoring of NPP**
		3. **plant of focus**
		4. **RCC**
		5. **safety culture**
	2. **compas**
	3. **WANO MC LTP 2015-2019**
	4. **MOM strategic WG, dated 21 july 2016**
2. **focus area: assurance of high performance standards of the nuclear fleet**

**Post-Fukushima Commission projects:**

* **WANO assessment – regular activities**

assessments conducted on a regular basis as part of the ‘Peer Review’ programme

* **Emergency preparedness – regular activities**

all Peer Reviews conducted against the PO&Cs-2013 updated on emergency preparedness

* **Early event notification – regular activities**

continuously in the framework of the ‘Operating Experience’ programme

* **Severe accident management – continues**

SAM section still not included in the PO&Cs

* **Internal assessments of the RCs – regular activities**

Moscow Centre conducts regularly, once every four years

* **Peer Review frequency – regular activities**

MC has moved to a 4-year cycle in 2013

* **Visibility and transparency – regular activities**

Publication “Inside WANO”, WANO-MC website up-to-date

* **Corporate Peer Reviews – continues**

assessments conducted on a regular basis as part of the ‘Corporate PR programme

* **Emergency support plan – regular activities**

Operation of the Regional Crisis Centre (RCC) for VVER NPPs

* **On-site fuel storage – regular activities**

Pursued as a continued activity

* **Design safety fundamentals – regular activities**
	+ design-informed Peer Reviews at Armenian NPP,
	+ design-informed Peer Reviews at Smolensk NPP,
	+ design-informed Peer Reviews at Kursk NPP
* **Peer Review equivalency – continues**

reviews carried out by other organisations may be accepted as WANO PR equivalent

**Monitoring and support:**

* **Trend monitoring – regular activities**
	+ Focus on monitoring operational safety of Kudankulam NPP
	+ exchange visit of WANO-MC on-site representatives (6 NPP)
	+ Benchmarking in monitoring with other RC
* **WANO support – regular activities**
	+ based on outcomes (AFIs) from previous PR
	+ Monitor status of most important AFIs using WANO-MC on-site representatives
	+ preparation of TSMs, Seminars, Workshops,
	+ dissemination of WANO documents, including SOER
* **WANO-MC on-site representatives – continues**
	+ Establish WANO-MC on-site representation at Kudankulam NPP
	+ Establish WANO-MC on-site representation at ‘Atomflot’
	+ Appoint on-site representative at nuclear construction sites at Belarus NPP
	+ Appoint on-site representative at nuclear construction sites at Baltic NPP
	+ Appoint on-site representative at nuclear construction sites at Paks-2 NPP
	+ Appoint on-site representative at nuclear construction sites at ‘Akademik Lomonosov’ FNPP

**WANO programmes:**

* **‘Peer Review’ programme – regular activities**
	+ PR at Kola NPP, 02– 17 February of 2017
	+ PR at Dukovany NPP, 23 March – 07 April of 2017
	+ PR at Armenian NPP, 24 August – 08 September of 2017
	+ PR at Bohunice NPP, 14 – 29 September of 2017
	+ PR at Smolensk NPP, 05 - 20 October of 2017
	+ PR at Kursk NPP, 09 - 24 November of 2017
	+ PR at Kozloduy NPP, 23 November – 08 December of 2017
	+ FU PR at Kalinin NPP, 27 February – 03 March of 2017
	+ FU PR at Loviisa NPP, 13 – 17 March of 2017
	+ FU PR at Balakovo NPP, 15 – 19 May of 2017
	+ FU PR at Bushehr NPP, 08 – 12 July of 2017
	+ FU PR at Bilibino NPP, September of 2017
	+ FU PR at Khmelnitsk NPP, 23 – 27 October of 2017
	+ FU PR at Temelin NPP, 30 October – 03 November of2017
* **Quality assessment – regular activities**

Focus to Involve CEO in PR exit meetings

* **External reviews at new units (before criticality) – regular activities**
	+ Pre-startup review at Mochovce-3, Mochovce-3
	+ Pre-startup review at Leningrad NPP-2 Unit 1, May of 2017
	+ Pre-startup review at Tianwan-3, July of 2017
	+ Pre-startup review at Rostov- 4, September of 2017
* **Corporate Peer Reviews Programme – regular activities**
	+ CPR at CEZ a.s. (Czech Republic), May 16 – 26, 2017
	+ CPR at ‘Atomflot’ (Russia), October of 2017
	+ FU at CPR Slovenske Elektrarne (Slovakia), 4th quarter of 2017

* **Professional and Technical Development Programme – regular activities**
	+ Technical Directors - Chief Engineers conference (new)
	+ Training seminars: Leadership, operational decision making, nuclear safety culture
	+ Workshops: Performance of Welds, safe operation of hoisting cranes, MCR crew performance, 18-month fuel cycle at VVER NPPs, Information (cyber) security, Investigation of low-level events, Secondary circuit water chemistry, equipment reliability
	+ Seminars, etc.
* **Technical Support and Exchange programme – regular activities**
	+ TSMs – examples (most of them from AFI), same as 2016
	+ BM – examples (most of them from AFI)
* **Operating Experience programme – regular activities**
	+ 80 reports expected
* **WANO Guidelines and Good Practices programme – regular activities**
	+ …
* **WANO performance indicators** **programme – regular activities**
* **yong generation: continue t support, include administrative activities, prepare 2-3 variants.**
	+ NUA (from TSM) – move to Chapter 4 and discuss at WANO GB…

**…. continue with the same format for other Focus areas**